This Volume is dedicated to the great men of the past, due to whose vision and untiring efforts, the College has grown to be the pioneer among the Engineering Colleges; to the revered teachers of the past who by their profound knowledge has produced a brilliant galaxy of Alumni to shape the destiny of our Motherland.

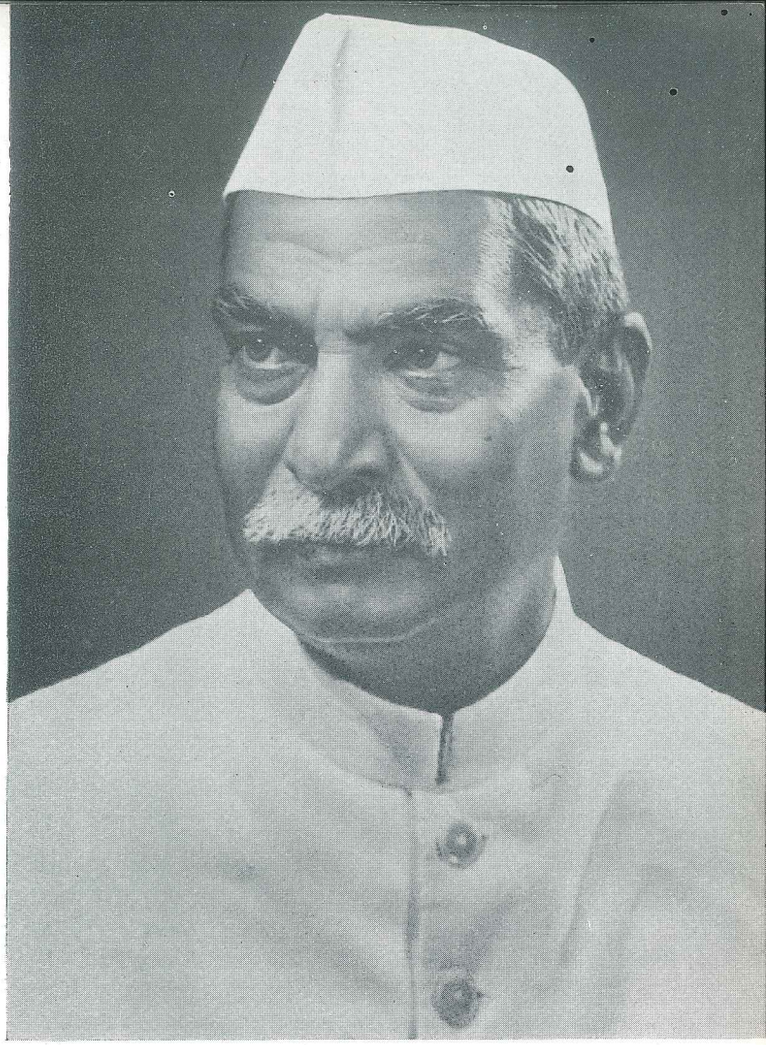




Souvenir

Editor : Madan Bhattacharyya
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DR. RAJENDRA PRASAD.
PRESIDENT, REPUBLIC OF INDIA

RASHTRAPATI BHAVAN,
NEW DELHI.

ON THE OCCASION OF ITS CENTENARY, I SEND my best wishes to the Managing Body, staff and students of the Bengal Engineering College, Sibpur. It is one of the earliest technical institutions started in India and by providing technical training in the various branches of technology and engineering to a large number of students, this College has contributed a great deal to the development of Eastern India. I hope the Centenary Celebrations of the Bengal Engineering College will serve to remind all those connected with this institution of the great part which engineers and technologists have still to play in our undertaking of building up a new India. I wish the Bengal Engineering College a still more prosperous career in the service of the Nation.

Rajendra Prasad



JAWAHARLAL NEHRU,
PRIME MINISTER OF INDIA

I DO WISH YOU TO REALIZE, THAT THE BURDEN on the engineers today and the responsibility for constructive effort is tremendous and a great deal depends on how they discharge their duties and in what spirit they discharge them. We want you to be first-rate and competent in your jobs, because second-rateness is never good. It is bad for the nation. But in addition to that, we also want you to infuse your work with something, some higher spirit of doing a fine creative job, with the fulfilment of certain objectives and ideals that immediately infuse into your work something which is bigger than you.

JAWAHARLAL NEHRU

सत्यमेव जयते

GOVERNOR OF WEST BENGAL

RAJ BHAVAN,
CALCUTTA.

I AM GLAD TO LEARN THAT THE BENGAL Engineering College, Sibpur, will shortly celebrate its Centenary.

Our success in the implementation of our First Five Year Plan has been magnificent and the Second Five Year Plan which lays special emphasis on industrial development has just been launched. There has been remarkable progress in the establishment of basic industries. Arrangements are also being made for the production of heavy machinery, the most important component of the means of production. Construction of gigantic multipurpose projects has been undertaken and the steady progress in this sphere is an eloquent testimony of the strength of our engineering skill and efficiency.

In the context of the comprehensive character of our development programmes the problem of adequate supply of Technicians and higher grade engineers to build up our prosperity has assumed increased importance. It is on the Engineering Colleges that we have to depend for the skilled experts who are to give concrete shape to the Plan in all its phases. While mobilising our available resources to make the Plan a success, there is the vital necessity of speeding up our machinery for training and improving the facilities for imparting higher technical and engineering skill and efficiency.



PADMAJA NAIDU,
GOVERNOR OF WEST BENGAL

The Bengal Engineering College, Sibpur, with its glorious past can rightly claim that the engineering development of this country has to a great extent been conditioned by the sound education and training imparted by it for a full century now. Let the Centenary be regarded as a fitting occasion to inspire the institution to strive for still great achievements in the years to come.

I convey my best wishes for the all-round success of the Celebrations.

Padmaja Naidu



DR. SARVAPALLI RADHAKRISHNAN,
VICE-PRESIDENT OF INDIA

VICE-PRESIDENT
INDIA

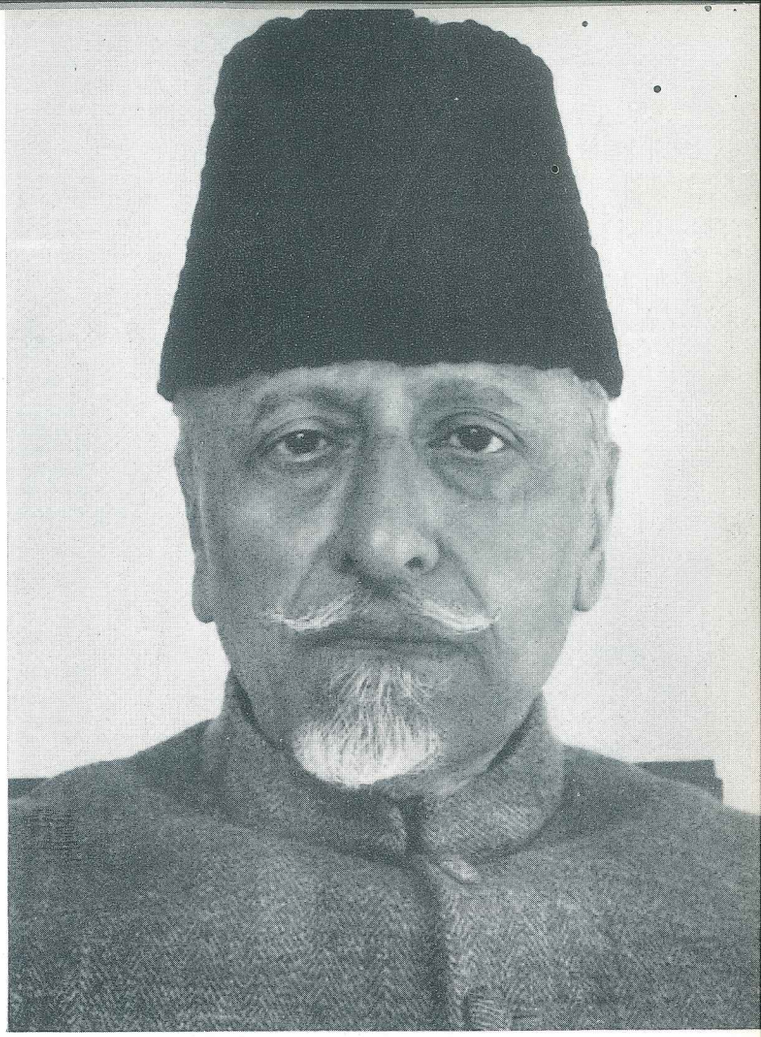
NEW DELHI
10 December, 56.

I am glad to know that the Bengal Engineering College, Howrah, will have its Centenary this year. This Institution has steadily grown from its humble beginnings in 1856 to its present position and is occupying an important place among the Institutes that are engaged in imparting technical knowledge to our students. The need of such Institutions perhaps is greater now when we are engaged in increasing our targets in every branch of industry and I do hope that the Bengal Engineering College will play an ever increasing part in the task of training a larger number of our youngmen and women in the various sections of Engineering

My best wishes for the future of the College and the celebrations.

Yours faithfully,

(S. Radhakrishnan).



ABDUL KALAM AZAD,
EDUCATION MINISTER, GOVERNMENT OF INDIA

EDUCATION MINISTER,
INDIA.
New Delhi.

I AM VERY GLAD TO KNOW THAT THE BENGAL Engineering College, Sibpur, is celebrating its Centenary this month. This is the first Engineering College in India and the students trained by it have contributed to the building of modern India. I wish this pioneer institution a future even more significant than its past.

A. K. Azad

(A.K. Azad)
21. 12. 1956.



NIRMAL KUMAR SIDHANTA,
VICE-CHANCELLOR, CALCUTTA UNIVERSITY

VICE-CHANCELLOR · UNIVERSITY OF CALCUTTA

SENATE HOUSE,
CALCUTTA—12.

In conveying my best wishes to the Bengal Engineering College on the occasion of the celebration of its Centenary, I naturally think of its distinguished past and the various stages through which it has passed since its establishment in the Writers Buildings in November, 1856. For a time it functioned as a part of the Presidency College and it was only after 15 years of this association that it was detached in 1880 and shifted to its present site Departments have been started and discontinued, expansions have been going on, but a new Chapter was really started with the acceptance by the Government of West Bengal of a scheme for the reorganisation and development of the College in 1945. As a result of this, we have now not only a larger number of qualified Engineers each year, trained on an improved curriculum and method of study, but additional courses have been introduced, namely, those in Architecture and Town Planning. At the same time post-graduate studies and Research have been given their due place in the scheme of work of the College and efforts have been made to effect close liaison with industry. Today it is not only one of the oldest institutions in the country, but one of the best-developed: its work can be assessed by the worth of hundreds of Engineering graduates serving this State of West Bengal and other parts of India. I offer my congratulations to the Principal and the staff of the College on their work in the past and in the present, hoping at the same time that the future will be even more glorius than the past.

NK Sidhanta



SIR BIREN MOOKERJI,
PRESIDENT, GOVERNING BODY, B.E. COLLEGE

URGENT BUSINESS REASONS HAVE REGRETFULLY prevented me from attending the Centenary Celebrations of our College. I say our College because I have been associated with it in some way or other for the greater part of my life—first as a student learning the rudiments of engineering and now as President of your Governing Body, and at all times I have been impressed by the devotion and spirit of service of the staff which has made this College one of the premier institutions in India.

Whatever the past of this College may have been, and it has not been an unworthy one, it is to the future that we must look. India needs engineers and it is a truism to say that without engineers no five year plan could exist. This College must play an increasingly vital part in this service to the comunity, and in its implementation I wish it all the success which it deserved.

Biren Mookerji



M. S. THACKER,
PRESIDENT, INSTITUTION OF ENGINEERS (INDIA)

COUNCIL OF SCIENTIFIC AND
INDUSTRIAL RESEARCH

THE CENTENARY OF THE BENGAL ENGINEERING College is an important event in the development of Engineering education in this country.

For the last one hundred years this Institution has identified itself with the rise and fall of the technical advancement at every phase.

Of late, the development programme undertaken by the college is really gratifying. The new schemes, when put into effect, will tend to place the college amongst the best in the world.

I am sorry, I shall miss the celebrations as I shall have to be away—my mind will, however, hover around the Bengal Engineering College Campus during the period of jubilation.



T. P. MARIK, PRESIDENT,
BENGAL ENGINEERING COLLEGE ALUMNI CONGRESS

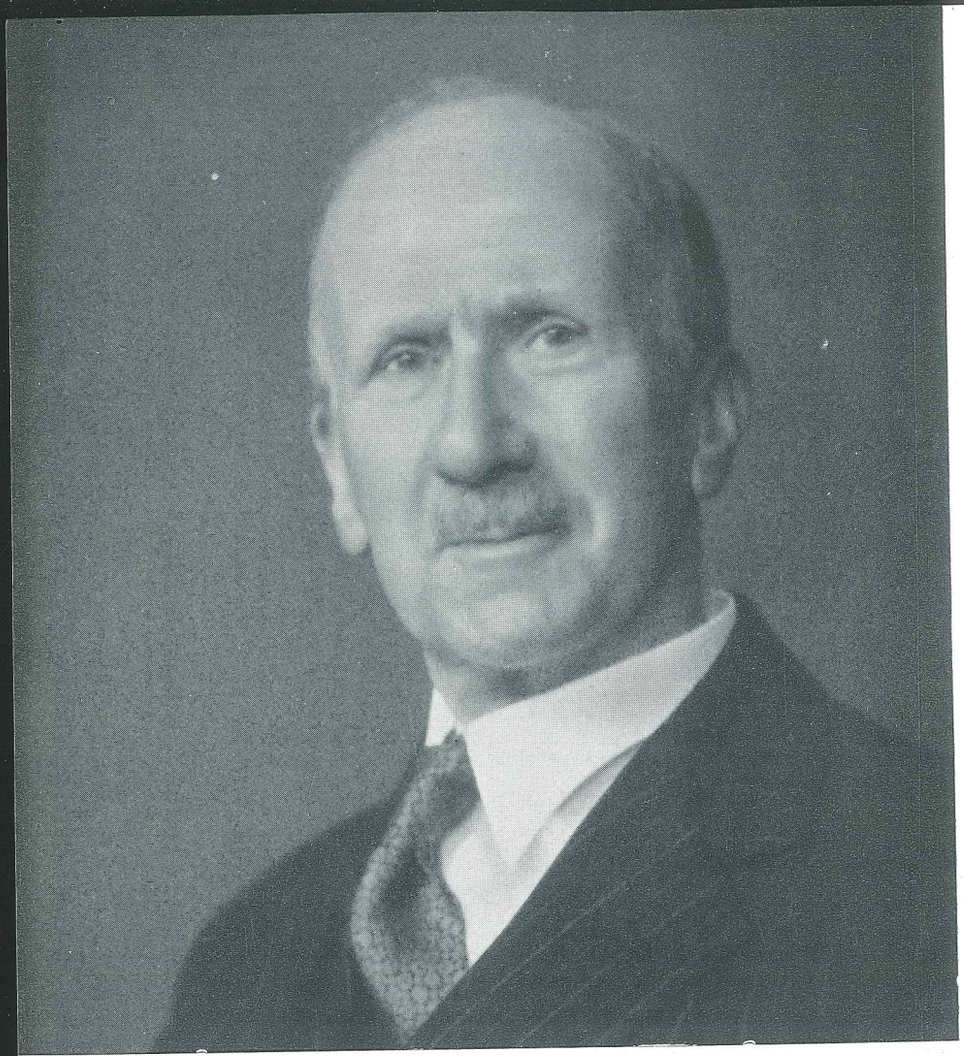
"ONE HUNDRED YEARS" IS BUT A UNIT OF measurement of infinite time. Thus it is also a milestone for stock-taking of the past and planning for the future.

On this memorable occasion of the Centenary of the Bengal Engineering College, I feel great pleasure in recollecting the charming memories of the youthful time we spent there, the age-old spirit the College stands for, and the ever-existing bond of fraternity between sudents, present and past.

It does my heart good to see that all alumni have joined hands and have wholeheartedly worked for celebrating the Centenary in a manner befitting the occasion.

I fervently wish and pray that the great Institution will continue its march of progress and will, for ever, render valuable services to this great country of ours, by producing Engineers of the highest efficiency to shape its destiny.

Tarapada Marik



A. MACDONALD,
PRINCIPAL B.E. COLLEGE, 1928-36

TO THE OLD STUDENTS MY WIFE AND I WOULD like to send a message of affectionate remembrance. We have very happy memories of the little tea and dinner parties we used to have for the junior and senior students. I can remember a great many of your faces and while I certainly could not now say, which is Bidhu Bhusan, Amal Kumar or Alok Chandra and etc. . . . . with any assurance, still your personalities are wrought into the very fabric of my mind and the colours of that fabric are warm and glowing. We do thank you all for giving us such happy memories of Sibpur.

To the students of to-day I send hearty greetings. This first centenary celebration puts a unique stamp on your studentship. May your work achieve such excellence that all who come after you, will recall with pride and admiration your distinction in scholarship and in athletics.

Alex. Macdonald.



R. WOLFENDEN, PRINCIPAL,
B.E. COLLEGE, 1936-38

In reply to a request from the Principal of the Bengal Engineering College I send herewith a message of greeting and congratulation to the past and present students and friends of the college who are gathered together to celebrate the centenary of the college. I remember with great pleasure my days at the B.E. College. I was always very happy there. Since I retired I have followed with great interest the rapid progress of the college and I trust that the success will continue in the coming years. To serve Bengal and India for 100 years and to provide a constant stream of qualified Engineers and Technologists over so long a period is no mean achievement and everyone connected with the college-staff and students—can be proud of what has been done.





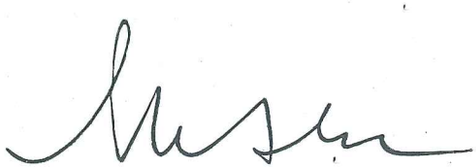
N. N. SEN,
PRINCIPAL, 1945-1949

To the members of the Governing Body, Principal and his staff, students, past and present, of the Bengal Engineering College, Sibpore, I offer my sincerest greetings on this happy and historic occasion of the celebration of its Centenary. Centenary is a landmark in the history of the College and it is an occasion when its past records may be studied with a view to planning for its future development. In earlier times the students were trained to supply the demand of the Government in their various establishments such as Public Works, Railways, Posts and Telegraphs, etc. Their number was strictly limited and they were chiefly employed for performing supervising, maintenance and executive works. Facilities for receiving training in production, design and research were practically non-existent. In spite of these limitations this institute has produced a large number very able engineers whose work and services have been appreciated throughout India. It is a matter of gratification to all of us that from small beginnings the College has now grown to become one of the best of its kind in Asia and in many respects it is as good as a similar institute in other parts of the globe.

Engineering may profitably be accepted and practised as a sort of "Yoga" which has been defined in one of our sacred scripture as " Karmasu Koushalam ".

A vast field of pioneering work lies ahead of the present and future alumni of the College. I wish them every success in their endeavours. I also pray that the college may flourish with an accelerating speed in the immediate and remote future.

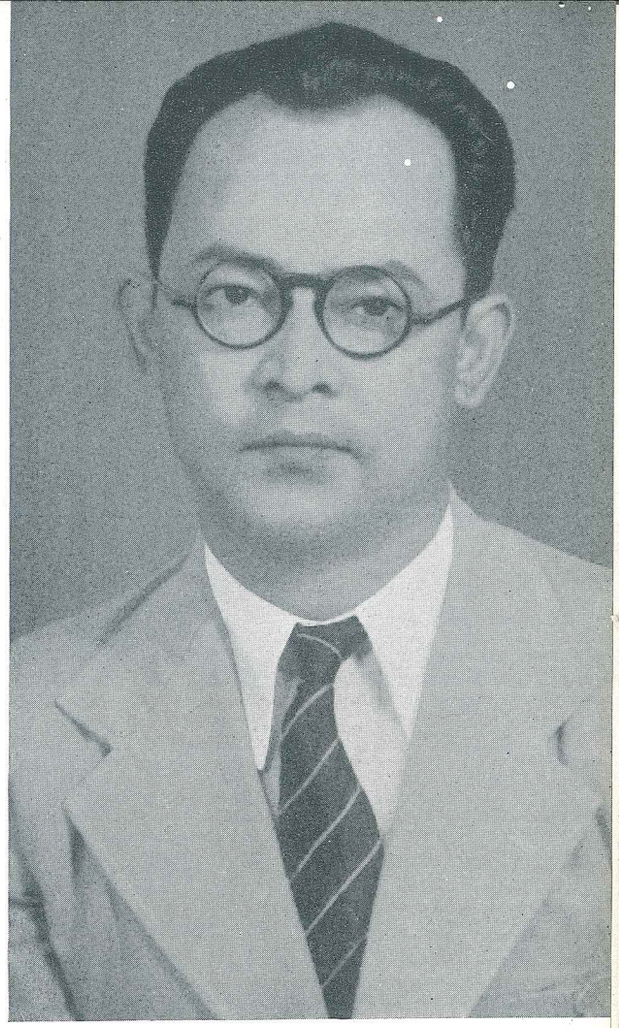
Finally, I take this opportunity and pay my humble tribute to the past generations of teachers, manual instructors and ministerial Staff of the College who unstintedly rendered their valuable services in building up its reputation.



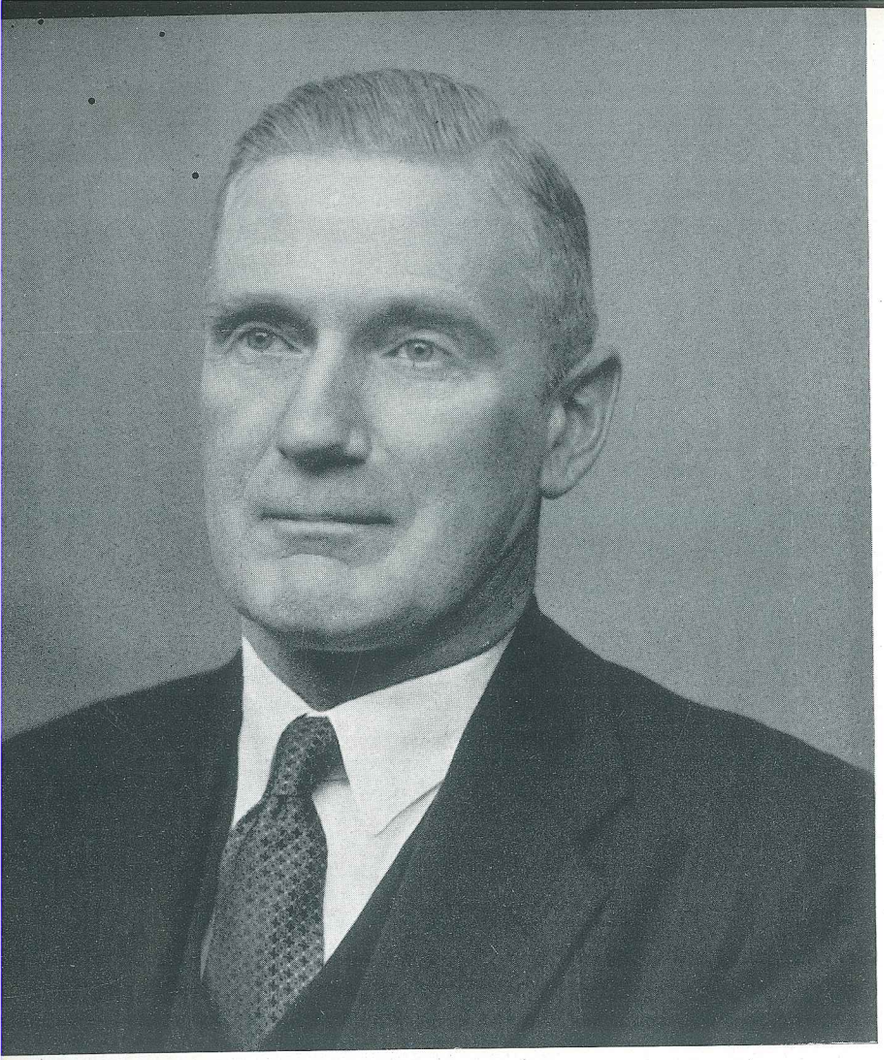
My association with the Bengal Engineering College has been long and intimate so much so that even now my colleagues and students of this Institute often say that my first affection is still for the Bengal Engineering College. I fear, they are astute in their observations. I have been a member of the B.E. College first as a student and then as a teacher. I have so to speak grown with it and the College still occupies much of my thoughts. It is, therefore, difficult for me to send any message. On the occasion of the Centenary of the College I should, however, like to remind ourselves of the two great Principals the B.E. College have had. Before them, the objective on which the work of the College was based was to produce good engineers for construction of Public Works. To my knowledge, Mr. A. MacDonald was the first Principal to place the task of advancement of knowledge of engineering sciences as the primary objective. During his tenure as Principal funds were strictly limited. Within the limitations of funds he encouraged all of us to engage in research. The late Dr. A. H. Pandya had set before us the vision of an enlarged and active engineering college adequately financed by the Government and Industry and actively engaged in advance studies and research. He was successful in getting some of the men in Industry interested in the affairs of the College and in research. As I firmly believe in the philosophy set forth by these two distinguished Principals I can do no better than to remind the members of the College of the duties and responsibilities which now devolve on them. I firmly believe that an institution of higher learning should be a community of scholars seeking to extend the bounds of knowledge. I sincerely hope that this view of the function of an institution of higher learning will be acceptable to the members of the B.E. College and they will work towards its fulfilment.

S. R. Sengupta

(S.R.Sen Gupta)



DR. S. R. SENGUPTA,
PRINCIPAL, B.E. COLLEGE, 1949-1955



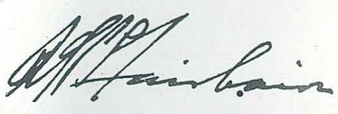
R. C. P. S. FAIRBAIRN,
PRINCIPAL, 1955-1956

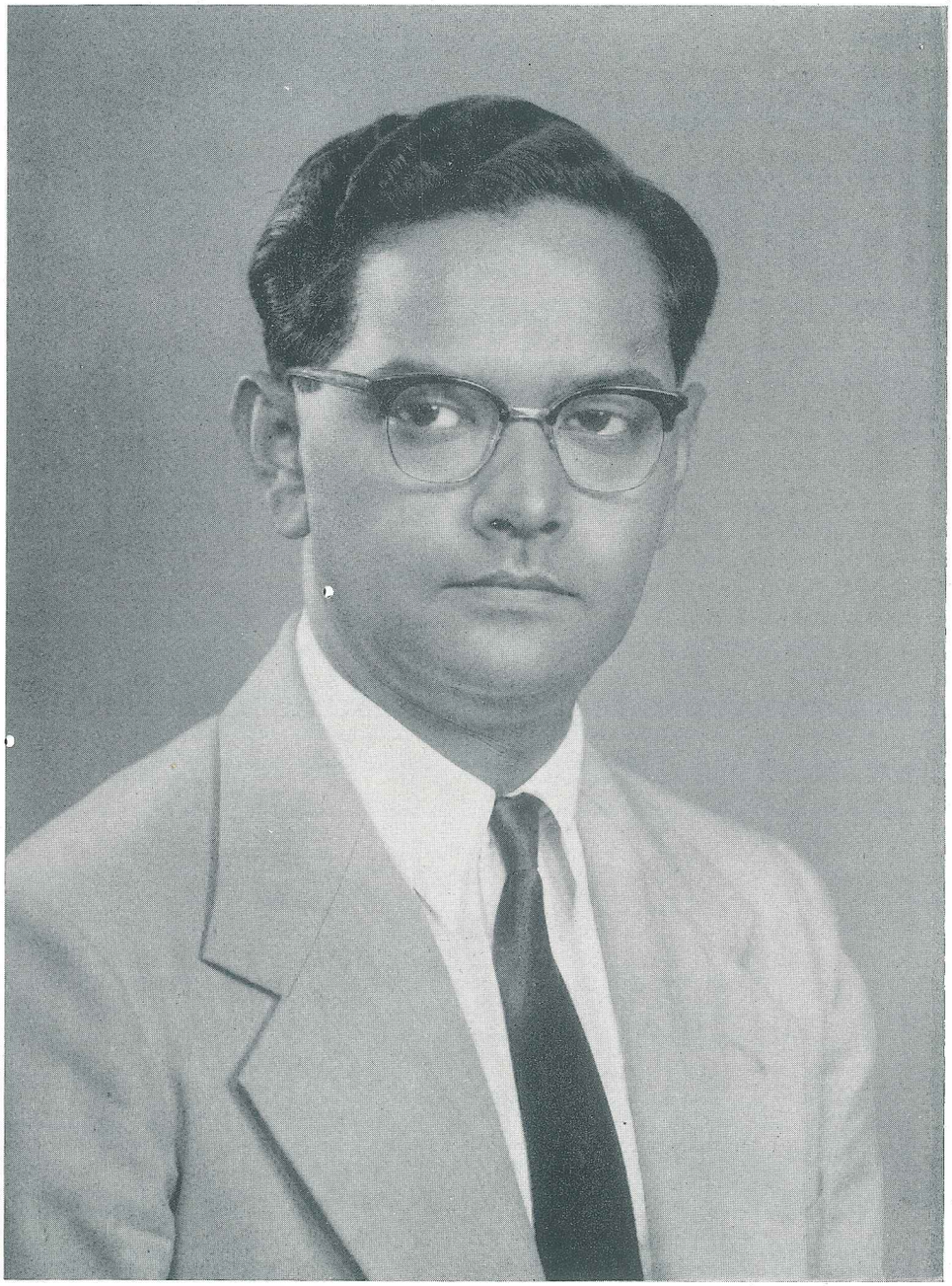
I HAVE MUCH PLEASURE IN SENDING MY greetings and congratulations to the Bengal Engineering College on the celebration of its centenary, and I am sorry that it is not possible for me to be present on this happy occasion.

As a member of its staff for a good many years, I look back with a feeling of pride and affection for this grand old institution. I think of the many fine men it has sent out in its time, to positions all over the country, and also in other parts of the world, who have been a credit to the College in their life and work. I think also of all the men who have served the Institution with loyalty and devotion as teachers, especially those whom I have had the privilege of serving alongside, some of whom, alas, are no more.

The College has seen great changes, especially within the last decade. With its new buildings, improved equipment, increased staff, and larger student-body, it might be almost unrecognisable to anyone who had not seen it for a few years. It is expanding and developing in order to meet the challenge of these times; the demand for able men to plan and carry out the engineering and architectural projects of the modern age in India.

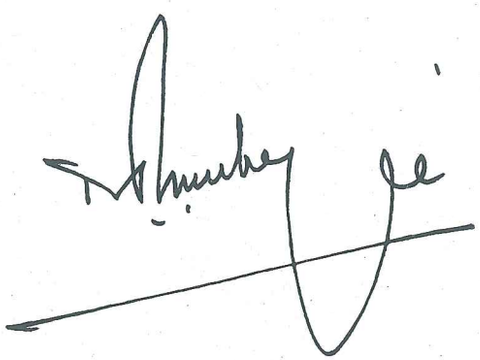
The College is rising to the occasion, and I have every confidence that the second century of its life will be even more distinguished than the first.





A. C. ROY,
PRINCIPAL, B.E. COLLEGE,
1956

IN PRESENTING this Volume—the volume of a century, I am impelled to express my deep appreciation of the stupendous work done by my worthy Collegues of the Publicity and Publications Sub-Committee and by the Principal and Staff of the College in bringing out the Souvenir in a very short space of time. I feel called upon to especially mention the names of Shri Saradindu Dutt-Mazumdar for his prolonged and productive hours of toil in the musty archieves of the Government for compiling the history of the College, Shri Pramatha Nath Basu and Shri Sushil Das for the care and artistic sense in taking photographs of nostalgic facets of the College, Shri Dev Kumar Chakravarti and Shri Subrata Sen for their material assistance in all directions, Shri Abani M. Banerjee for his effective general co-ordination as the Secretary of the Sub-committee and sustained and successful efforts in producing a balanced array of informative advertisements, and to Shri Madan Bhattacharyya for his indefatigable work and efficient discharge of his responsible duties as the Editor.



(D. R. MUKERJEE),
Chairman
Publicity and Publications
Sub-Committee.

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DR. BIDHAN CHANDRA ROY,
CHIEF MINISTER OF WEST BENGAL

सत्यमेव जयते

CHIEF MINISTER

GOVERNMENT OF WEST BENGAL

FOREWORD

THE BENGAL ENGINEERING COLLEGE IS completing 100 years of its existence. Most people pay homage and give credit for any performance which has the figure '100' attached to it. A cricketeer is cheered as he reaches a century, a man is given veneration and respect on his 100th birthday. An institution is to be congratulated if it manages to survive five score years. Why is it so? Ordinarily the performance of an artist and the life of an individual are beset with so many difficulties and inimical factors which tend to lessen their chances of survival that a century is an indication of the principle " survival for the fittest ".

Thousands of alumni who has from time to time crowded the halls and the grounds of the Engineering College during the past hundred years would testify to the great service this key institution rendered towards the building up of this country of ours. Let not the Institution rest contented with its past achievements but gear itself in a manner befitting this great Country of ours.

India is building up its stability. She has completed one Five Year Plan and she has entered the second one. In this mighty task of reconstruction we need the help of thousands of Engineers, Overseers, Draftsmen and technicians who have the capacity for achievement in the present and have vision of reconstructing a glorious Bharat.

I appeal to all past and present students of this Institution as also to the students of the future to keep ready for every task in rebuilding our dear motherland.

B. C. Roy

CHIEF MINISTER, WEST BENGAL



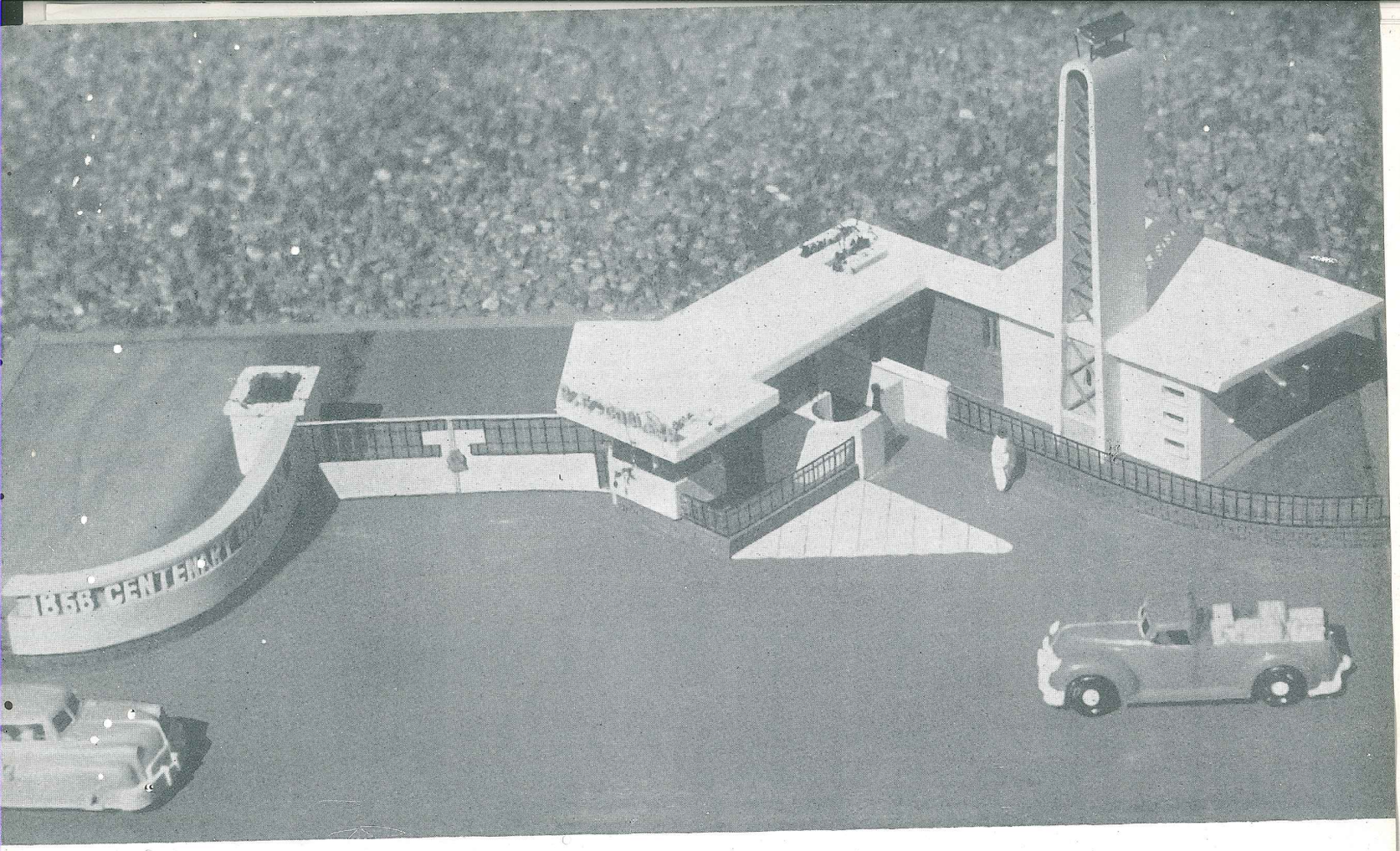
Many happy returns . . .

THE OCCASION

ONE HUNDRED YEARS MAY NOT BE A SIGNIFICANT PERIOD IN THE VAST expanse of eternal time but a hundred years of fruitful existence coupled with a steady growth and achievements of an Institution like the Bengal Engineering College is certainly a fact of great importance and its Centenary is a unique and memorable occasion. The B. E. College has stood the test of time—spread over long hundred years full of uncertainties, vicissitudes and world-wide turmoil accentuated by two Great World Wars and a number of major revolutions. The tiny seed sown on the 24th November 1856 has steadily grown into a mighty tree with its branches spread over the various fields of Engineering. During the eventful 100 years the College as, one of the oldest Ttechnical Institutions in India, sent out qualified engineers who ably served the country in their respective fields of Engineering and, to a great extent, shaped the Engineering and Industrial development of this country and, to some extent, other countries adjoining India. In fact, the progress of this Great Institution—our Alma-Mater, has perfectly kept pace with the progress and development of Engineering and Industry of this country. And it is, indeed, a very happy coincidence that the Centenary Celebrations of our College have coincided with the greatest phase of national progress and activity in the fields of Engineering and Industry! While we are surcharged with the buoyant spirit of the great festive and memorable occasion and look back with happiness and pride over the past 100 years, we hope with all faith and confidence that the future will offer us greater opportunities to serve the nation and help forward its progress.



THE OLD CHAPEL OF BISHOP'S COLLEGE



ERECTED BY MARTIN BURN LTD.

The Centenary Gate erected to receive the alumni and the guests. The Magnificient Pylon heralds the future to live in the glory of the past.



History of the College

EARLY HISTORY

THE beginning of the history of the Bengal Engineering College goes back to the first half of the Nineteenth Century. Industries, in the sense we understand to-day were practically absent. Consequently, facilities for technical education did not exist. The importance of scientific and technical education in the development of India was, however, recognised by the then educationists and the administrators, but very little efforts were made in this direction before the forties of the last century. Their efforts were accentuated because of the need for trained personnel for development works, such as, excavation of canals, building of railroads etc., which were then undertaken or proposed to be undertaken for execution in not too distant future. Serious thought was given to the idea that with necessary engineering training, our youths could be usefully utilised in these projects. Prompted by the idea of affording ready and profitable employment to those who acquired requisite engineering knowledge, the Council of Education, Bengal, decided on opening a Civil Engineering class. Government of Bengal was approached, and Professorship in Civil Engineering in the Hindu College, Calcutta, was created in the year, 1843–44. This was indeed the beginning of a new era. Unfortunately, no qualified person was available to take up the position, and the chair remained vacant.

In July, 1847, the Council of Education was asked by Government to report on two schemes, one formulated by the Government of Bombay for the establishment of a Subordinate Branch of Engineers and the other by the Military Board "to restrict the employment of persons in the Department of Public Works to those of the Military class (and therefore to Europeans)." After considering the report of the Council, the then Governor-General Lord Dalhousie recorded on the 29th August, 1848, a minute recommending to the Court of Directors of the East India Company, the establishment of an Engineering class at each of the Presidencies.

In March, 1854, the Council of Education submitted another proposal for the establishment of a College of Engineering as a separate Department of the proposed Presidency College which was to replace the Hindu College on the 15th June, 1855. In May, 1854, Lieut. Col. H. Goodwyn, Chief Engineer of Bengal, advo-



BISHOP'S COLLEGE FROM AN OLD PAINTING

cated the constitution of a College of Engineering "for the general improvement of the Department of Public Works." This was followed by another recommendation for the immediate establishment of a Training School "as a nucleus and preliminary adjunct to the College." Government of Bengal concurred with the Chief Engineer and forwarded the proposals to the Government of India, who, after considering all the schemes, submitted their recommendations to the Court of Directors. The Court of Directors in their Despatch No. 47 of 2nd May, 1854, approved the proposal for the establishment of a separate Engineering College. An extract from that momentous Despatch is given below :

> "2. We have, as you are aware, taken a warm interest in the establishment and progress of the Thomason College of Engineering at Roorkee, and have recently sanctioned the establishment of similar institutions at Madras and Bombay. We are of opinion that the object of affording to all grades the means of acquiring a sound practical and theoretical knowledge of engineering in all its branches, is far more likely to be attained through the means of a separate institution than in the mode proposed by Mr. Grant, of combining a scientific course at the Presidency College with practical instruction at various detached working establishments in Calcutta. We accordingly authorise you to frame a scheme for a college of Civil Engineers on the combined plan of the Thomason College at Roorkee, and Capt. Maitland's School at Madras submitting the same for our final sanction."

This paved the way to the creation of a Government College of Engineering at Calcutta.

Under instruction from the Government of Bengal, the Chief Engineer prepared a scheme for the establishment of a College of Civil Engineering and its necessary Companion Training School and submitted the same to the Secretary to the Government of Bengal, General Department, under his letter No. 2175, dated the 16th October, 1854. While submitting this scheme the Chief Engineer stated that one of the objects of the proposed College and the practical Training School would be "to meet the very great demand in the Department of Public Works of Bengal and the Lower Provinces ; generally, for Executive Engineers scientifically educated and practically versed in the methods of applying the science and art of Europe to the architectural and building requirements of India with Indian means." It was also stated that Assistant Executive Engineers and Surveyors, Assistant Engineers, Overseers, Draughtsmen, Artificers, Agents, etc., could be trained with advantage in the proposed College. The salient features of the scheme were that the College would consist of two departments—the Senior and the Junior, and the Training School would be formed into three classes. There was also a provision in the scheme for the training of commissioned as well as non-commissioned officers and soldiers. The estimated cost of running the College and the Training School was shown to be Rs. 12,550/- per month.

The then Lieut. Governor of Bengal, Mr. F. I. Halliday, appended on the 25th November, 1854, a minute to the scheme submitted by the Chief Engineer and the same was forwarded to the Government of India on the 4th December, 1854 (Letter No. 84, dated the 4th December, 1854). The complete design of the proposed institution together with an estimate amounting to Rs. 5,80,850-12-5 for a total floor-space of 2,41,468 s.ft. at Rs. 2-6-11 per s.ft., for buildings was also forwarded to the Government of India.

Though the proposed Engineering College was intended to be established at Calcutta, Government of Bengal, however, thought that it would be a better idea, and perhaps more advantageous from the point of view of training, to locate the College at Raneegunge owing to its healthy climate and proximity to the mineral belt. The Chief Engineer was asked on the 24th March, 1855, to examine and report on the location of the proposed College. He replied on the 17th April, 1855, saying that the College should be constituted at or near Calcutta as it was the intention to utilise the Professors of Chemistry and Geology of the Presidency College for teaching these subjects at the Engineering College. Besides, no separate medical arrangement in the form of a Dispensary and a Hospital would be necessary if the College was situated at Calcutta.

The detailed scheme together with the estimates were duly forwarded to the Court of Directors, and their sanction was received with some modifications in the original plans submitted by the Chief Engineer in Despatch No. 18 of 19th September, 1855. The final approval of the Government of India to the constitution and establishment of a Civil Engineering College at Calcutta was received on the 12th February, 1856. The letter in which this important decision was communicated is reproduced below:

> "Letter No. 669, dated the 12th February, 1856, from Lieut. Col. W. E. Baker, Secretary to the Government of India to W. Grey, Esq., Secretary to the Government of Bengal.
>
> PUBLIC WORKS DEPARTMENT PUBLIC
>
> Sir,
>
> With reference to the letters from your office noted below* and their enclosures, and to mine of the

* No. 449 dated 5th August 1852. To Under Secretary, Home Deptt.

several dates also entered** I am now directed by the Most Noble the Governor General-in-Council to communicate the conclusions to which His Lordship has come on the subject of the establishment, at Calcutta, of an Institution for the instruction of candidates for employment in the Department of Public Works.

2. His Lordship in Council concurs generally in the views which were expressed by His Honor the Lieutenant Governor in his minute of 25th November, 1854.

3. The Institution will embrace a College and a Training School.

4. The College will not be sub-divided into Departments.

5. The Government of India quite agree in His Honor's disapproval of the proposal to retain young engineer officers at the Presidency for instruction in the College Course and, like him, they see no necessity for any systematic separation between military and civil students. But there is nothing in the organisation proposed, which should prevent officers of the Army from pursuing their studies at the Presidency Institution as is done at Roorkee.

6. The Government of India concur also with the Lieutenant Governor in the views which he has taken of the proper constitution of the Training School. His arguments against the introduction of a department of instruction for European soldiers, appear to be well-grounded, and the training of men of that class for employment as Overseers, may therefore be left exclusively to the Thomason College.

7. The question whether an apprenticeship engagement shall be exacted from the pupils of the Training School, may be left to the decision of the Head of the College in the first instance, and for final determination, as the Lieutenant Governor has suggested in your letter No. 2639, dated the 18th December, 1855, to the results of experience.

8. From the peculiar circumstances of Major Maitland's School at Madras, intimately bound up as it is with a great Government Factory, it is rather in its spirit than in its details that that institution affords us a model and it will require much consideration to determine how its spirits and principles can be best applied to the Calcutta Training School.

9. Workshops, brick-fields, etc., are proposed by Col. Goodwyn as part of the Establishment. These will be expensive accessories and it appears to require further consideration how real work could be provided for the instruction of the pupils in such workshops, and whether well-considered arrangements for giving the pupils access to the existing Government workshops in Calcutta (especially to the Alipore Iron Yard which is in immediate proximity to the proposed site of the School) would not afford instruction in mechanical processes in a more efficient way than the factitious tasks of a school workshop.

10. A regulated attendance on the operations of the Government workshops should not be confined to the pupils of the Training School, but should also be exacted, though perhaps to a diminished extent, from the students of the College.

11. The other suggestions made by His Honor the Lieutenant Governor for the internal arrangements of the school and college, appear to be effectual and judicious.

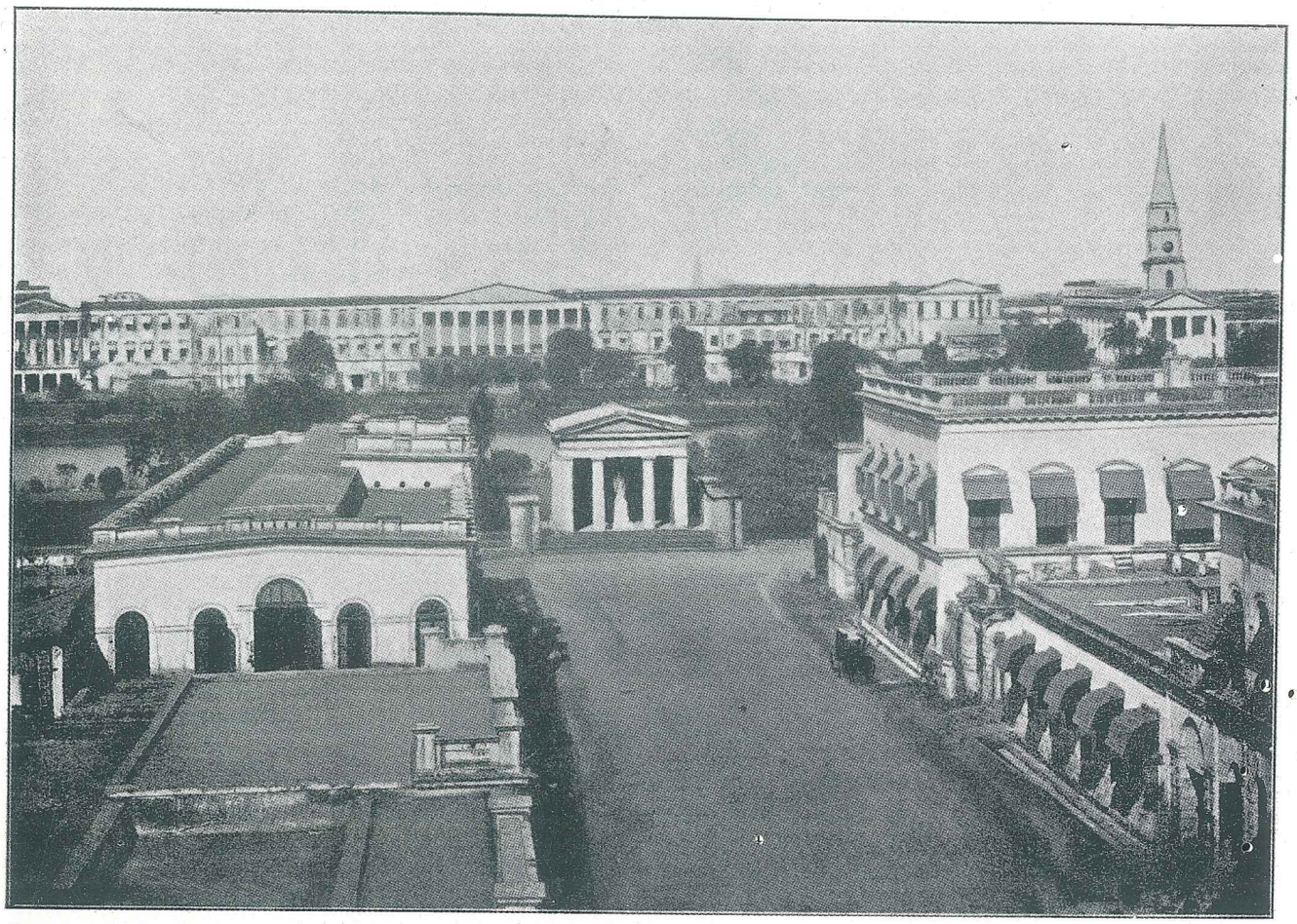
12. The Government of India sanction the salaries proposed by the Lieut. Governor for the College Principal and Teachers, aggregating, as maximum, Rs. 2,100/- per mensem.

13. A Principal should now be selected, and the organisation of the College on the principles laid down in His Honor's minute and in this letter, committed to him. The work of the College may be commenced, so soon as may be practicable, on hired premises.

14. The plans submitted by Col. Goodwyn and received with your letter No. 432 will require modification to adopt them to the principles laid down. I am directed to suggest that when the Head of the College shall have been nominated, the plans which were returned with my letter No. 179, dated the 13th April last may be handed over to him, for modification and adaptation to the wants of the Institution as now sanctioned."

„ 1143 dated 26th May 1854.
To Offg. Secretary, Home Deptt.
„ 1632 dated 14th July 1854.
To — ditto — ditto —
„ 84 dated 4th December 1854.
To — ditto — ditto —
„ 432 dated 24th March 1855.
To Secretary, Public Works Deptt.
„ 2649 dated 18th December 1855.
To — ditto — ditto —

**To Secretary, Government of Bengal.
No. 149 dated 15th April 1855.
No. 2480 dated 9th November 1855.
No. 2566 dated 20th November 1855.



THE WRITERS' BUILDINGS WITH TANK SQUARE—1856

BIRTH OF THE COLLEGE

THE selection of a suitable person for appointment as Principal of the College offered a problem and the Government of Bengal approached the Government of India for nominating an officer for the post. Accordingly, Government of India selected Lieut. E. C. S. Williams of the Engineers, Superintendent of the Topographical Survey in Pegu, to be Principal of the Civil Engineering College at the Presidency on a staff salary of Rs. 600/- per mensem, with a house, and appointed him to the post by Notification No. 166, dated the 15th September, 1856. Lieut. Williams joined the post soon after in the month of September, 1856.

The Director of Public Instruction in his letter No. 2410, dated the 18th September, 1856, informed Government that premises Nos. 9,10 and 11 of Writers' Buildings in Tank Square previously occupied by the Fort William College were available and that premises No. 12 could be used as the private residence of the Principal. Sanction to their engagement for the Civil Engineering College on a lease for one year, renewable at option, on a rent of Rs. 450/- a month was received on the 24th September. Premises Nos. 9, 10 and 11 were occupied on the 1st October and Premises No. 12 on the 1st November, 1856. Lieut. Williams was allowed to draw house rent of Rs. 150/- a month for the period he was not provided with a house. Sanction to spend a sum of Rs. 1,500/- in the first instance for purchasing furniture, etc. for the College was also given.

Sanction to the entertainment of the following Establishment at a cost of Rs. 242/- per month was received from Government in their letter, dated the 31st October, 1856 :—

1 Writer	...	60/-
1 Librarian	...	35/-
1 Sircar	...	16/-
1 Duftary	...	10/-
1 Duftary	...	6/-
1 Darwan	...	6/-
3 Bearers	...	15/- at Rs. 5/-
2 Peons	...	10/- at Rs. 5/-
1 Bhisti	...	5/-

1 Sweeper	...	5/-	
2 Persons	...	14/- at Rs. 7/-	To attend the
12 Khalassies	...	60/- at Rs. 5/-	Survey parties.
Total	...	242/-	

Sanction to the entertainment of the Instructive Staff of the College including the Principal at an expenditure not exceeding Rs. 2,100/- per mensem was communicated by the Government of India while conveying their decision to open the College. On the strength of that sanction, Government of Bengal in their letter No. 1255, dated the 22nd October, 1856, sanctioned the following staff :—

		Salary per mensem
(*i*)	Principal ...	Rs. 600/- plus free house
(*ii*)	Professor of Civil Engineering & Architecture.	Rs. 700/-
(*iii*)	Professor of Mathematics.	Rs. 380/- including Rs. 80/- as Presidency House-rent allowance.
(*iv*)	Professor of Surveying.	Rs. 380/- including Rs. 80/- as Presidency House-rent allowance.

The Principal was asked to select the Professors and report their names to Government for issue of appointment letters.

The Principal selected Capt. W. S. Sherwill of the Engineers as Professor of Surveying and Mr. Mohendro Lall Shome, a distinguished graduate of the Presidency College, as Professor of Mathematics since no Englishman with the requisite qualification was readily available, and reported their names to Government for approval. Government were, however, reluctant to approve of the appointment of Mr. Mohendro Lall Shome but agreed to appoint him purely in an acting capacity so long as a suitable Englishman was not available. Paragraph 3 of Government letter No. 1335, dated the 13th November, 1856, received by the D.P.I. in this connection makes interesting reading and is reproduced below :

> "3. With regard to the nomination of Baboo Mohendro Lall Shome to officiate as Professor of Mathematics on the full salary assigned to the officer, I am desired to state that Lieut. Governor objects on principle to give to a Native of this country a salary which is considered sufficient to attract an English candidate ; but in this instance His Honor will permit it as a strictly temporary arrangement in the understanding that it must not become a precedent."

As no suitable candidate was available to fill up the Professorship in Civil Engineering and Architecture, the post was left vacant. Appointment letters were issued to the two candidates selected by the Principal on the 22nd November, 1856.

The Principal also took up various important matters relating to the College with the Government. It was decided that the Senior Scholarship Standard as prescribed by the Council of Education or two years of studies in a Government College, which was the minimum qualification for Law students for admission, should be the prescribed standard for admission in the Civil Engineering College. To begin with, however, candidates who had passed the first year Examination in a Government College were also made eligible. There was to be one session in each year as in all other Government Colleges and schools ; but in the first year there would be two Terms, *i.e.*, that the second batch of candidates was to be admitted on the 1st June, 1857. The Sub-Assistant Surgeon appointed to give medical aid in the other Calcutta Colleges would attend also at the Civil Engineering College. A contingent allowance of Rs. 100/- was sanctioned. It was emphasised by Government that "there is to be no distinction between military and civil students either in the tests for admission to the College or in classification and qualification in the College." In regard to two other important points, namely, (*i*) guarantee of public employ to the graduates of the College and (*ii*) Library grant of Rs. 5,000/- for starting the library and a recurring grant of Rs. 200/- per month for keeping it up, a reference was made to the Government of India for their sanction.

As regards syllabus, the Principal tentatively decided to give instructions in the following subjects :—

Mathematics	Landscape drawing
Civil Engineering	Mechanical drawing
Architecture	Architectural drawing
Surveying	Topographical drawing
Geodesy	Perspective drawing
Astronomy	Geometrical Projection
Natural Philosophy	Mapping including Pro-
Mineralogy and Geology	jections of the sphere
Chemistry and Botany	Physical Geography
	Photography

It was arranged that the students of the Engineering College would be allowed to attend lectures in Botany and Chemistry at the Presidency College.

Indent for Surveying and Drawing instruments required for the use of the Civil Engineering College was submitted to the Mathematical Instruments Department on the 20th November, 1856.

After joining his office as Principal, Lieut. Williams issued on the 25th September, 1856, the following

notification inviting applications for admission to the Civil Engineering College :—

"*Notification*

Government College of Civil Engineering at the Presidency Nos. 9, 10, 11 Writers' Buildings

1. The Civil Engineering College at the Presidency will be opened on or about the 1st November next.

2. The object is to educate youths under 22 years of age both theoretically and practically as Civil Engineers, for the higher grades of the Department of Public Works.

3. Candidates will be required to produce certificates of good moral character and of sound constitution.

They may be either Europeans, East Indians, or Natives and will have to undergo an examination previous to entering the College.

4. On joining the College, an entrance fee of Rs. 10/- and a monthly fee of Rs. 5/- will be demanded from each student.

5. A detailed prospectus will be published shortly ; in the meantime, candidates are requested to apply in person to the Principal of the College at the office of the Director of Public Instruction No. 88 South Colingate Street between the hours of 11 A.M. and 3 P.M. on Wednesdays and Saturdays.

6. The period for admission to the first session will be extended beyond the 1st November, two months, or to the 31st December next, in consequence of the short notice now given of the opening of the College."

The detailed prospectus referred to in paragraph 5 of the above notification was published on the 17th November, 1856, in the form of a 'draft prospectus', as some of the points had not yet been decided by Government, and is reproduced below :

"*Draft Prospectus*

Civil Engineering College at the Presidency

1. The Civil Engineering College at the Presidency is intended to educate as Civil Engineers European, East Indian and Native Youths under 22 years of age at the time of entering.

2. Every candidate will be required to produce a certificate of good moral character, which should have reference more particularly to his conduct during the two years immediately preceding his presentation for admission, and be given under the hand of his present instructor or employer.

3. A medical certificate is not required, except the candidate purposes, when qualified, to seek Government employ, such certificate, when furnished, should have reference to the goodness of eye-sight and soundness of constitution of the candidate to undergo the fatigues of active employment as an Engineer or Surveyor.

4. Forms of application for admission and of certificates will be supplied on application to the Principal.

5. A candidate's application being found satisfactory he will be required to undergo an examination previous to being received.

6. For admission to the first session the preliminary examination will embrace the subjects comprised in the first year's course of Government Colleges for 1856-57 ; but for the second and following sessions it will include those comprised in the second year's course known as the "Senior Scholarship Standard".

7. There will ordinarily be but one session in each year ; but the first year will be divided into two Terms so that the second batch of successful candidates will be admitted on the 1st June next after examination during the month of May.

8. The long vacation will commence about the 15th April of each year and cease on the 31st May. The short vacation will include the Doorga Pooja Holidays.

9. Examinations will be held periodically and prizes awarded.

10. The duration of the College Course will generally extend over 2 years, but under existing circumstances, students will be entitled to a certificate in Engineering on passing a successful examination in the subjects laid down in para No. 62 of Public Works Notification No. 117 of the 17th June, 1856.

11. It is to be clearly understood that the fact of passing a successful final examination at the C.E. College or of obtaining a College certificate constitutes no claim for employ in any of the Public Departments under Government.

12. On joining the College, an entrance fee of Rs. 10/- and a monthly fee of Rs. 5/- will be demanded from each student ; but students of other Government Colleges exempt from similar fees will also be exempt in the C.E. College.

13. A candidate having already paid an entrance fee in any Government College will only have to pay the difference (if any) between that fee and Rs. 10/-, the entrance fee to the C.E. College, provided he will be a student at some Government College.

Govt 1856 Bengal

General

Education

Copies to the Hon.ble Sec.y to Govt

Dear Sir 30th 1856.

2 Encl

Print. Civil Eng.g College

No. 53.

D.S. 3 to 9th Nov.r

Rg.d 3 to 9th Nov.r

Pro. 11th December

27 No 70.

Forwarding by endorsement a Copy of Lett.r to the Director of Public Instn submitting a Draft Prospectus & calling attention to para: 11 in regard to the question of guarantee of public employ to the graduates of the College.—

Submitting also a Copy of a Notice stating that an Examination of Candidates will be held on the 20th Instant and that

No 52. dated C.E. College Calcutta

the 19th November 1856.

From The Principal C.E. College at the Presidency

To

W. Gordon Young Esq.re

Director of Public Instruction

in Bengal.

Sir.

I have the honor to enclose for your information a draft Prospectus; Copies of which have been forwarded by me to the Principals of the various Government Colleges for communication to those attending them.—

2. You will observe that there are yet some points omitted on which it will be necessary to speak more precisely in a fair prospectus; such as the final Examination, Course of study — text books &c and in regard to Military students.— These will be disposed of hereafter. In regard to the question of a guarantee of public Employ to the Graduates of the College, on which the orders of the Supreme Govt: have not yet been received, I request your attention to the 11th Para.—

3. An Examination of Candidates will be held on the 20th Instant.— A notice of this, and that students will be admitted on Monday the 24th Instant. has — been circulated. I enclose a copy of it also.

4. A copy of this communication will be forwarded direct to the Junior Secy: to the Govt of Bengal.

I have &c.

Sd/ E.B.D. Williams

Principal

No 53.

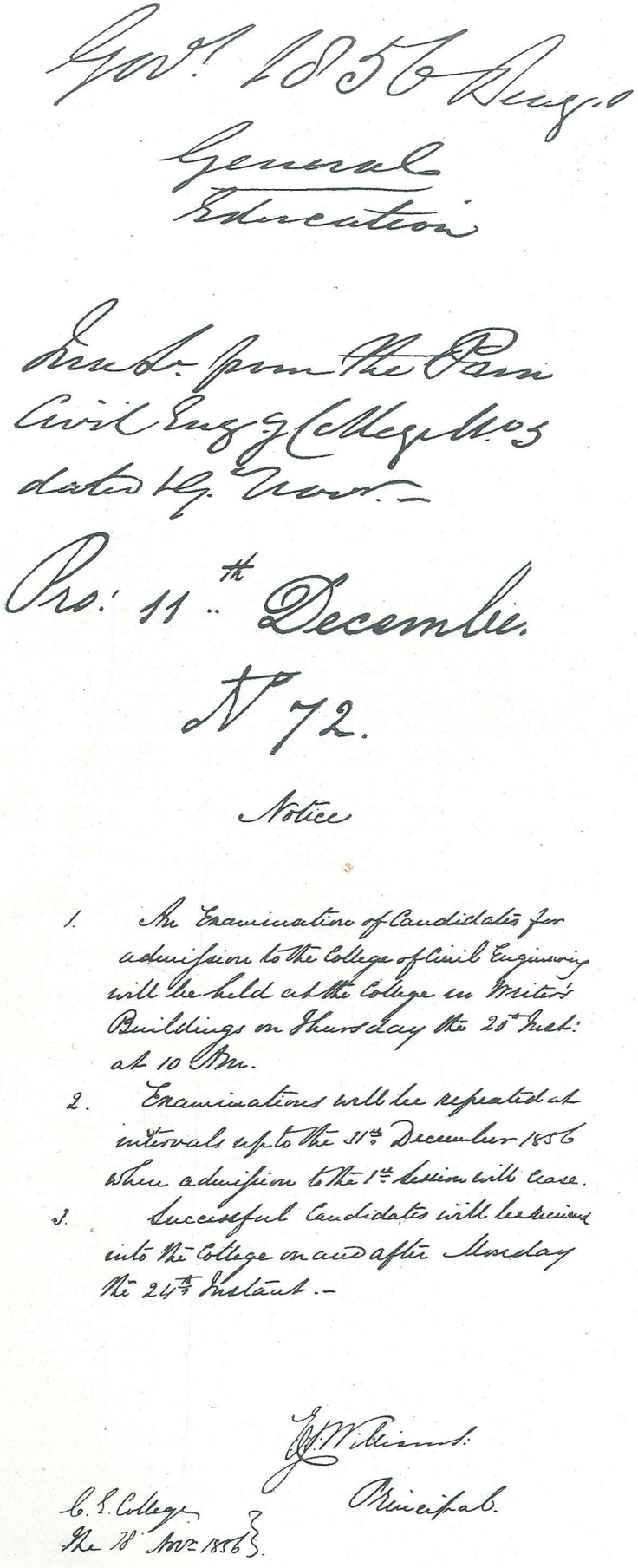
Copy forwarded to the Junior Secretary to the Govt of Bengal, with the Returns of the Pupils of Public Institution

C.E. College

the 19th Nov.r 1856.

J.D. Williams

Principal



Govt. 1856 Beng.
General
Education

Rec'd. from the Pres.
Civil Engg. College No. 3
dated 14 Nov. —

Rec'd. 11th December.

N 72.

Notice

1. An Examination of Candidates for admission to the College of Civil Engineering will be held at the College in Writers' Buildings on Thursday the 20th Inst. at 10 Hrs.
2. Examinations will be repeated at intervals up to the 31st December 1856 when admission to the 1st Session will cease.
3. Successful Candidates will be received into the College on and after Monday the 24th Instant. —

J. Williams
Principal.

C. E. College
the 18 Nov. 1856.

14. Holders of Government scholarships will be permitted to retain them in the C.E. College for the same time as they would have been entitled to keep them, had they remained at their original colleges, subject to the same conditions as regards progress in their studies. They are exempt from fees only so long as they retain their scholarships.

The foregoing is yet incomplete and subject to modification."

On the 19th November, 1856, a notice for holding an admission test on the 20th November at 10 A.M. was circulated by the Principal. It was mentioned in the notice that similar tests would be repeated at intervals up to the 31st December, 1856, when admission to the first session would cease. The Principal further notified that successful candidates would be received into the College on and after Monday the 24th November. The first test was duly held at Writers' Buildings on Thursday, the 20th November, 1856, at 10 A.M.

All preliminary arrangements for opening the College having been completed, Government of Bengal communicated their sanction to the opening of the College in the following letter :—

" No. 1358

To The Principal of the Civil Engineering College

General Education :
Sir,

I am directed to acknowledge the receipt of your docket No. 44, dated the 15th instant and in reply to state that, pending the issue of orders on the points referred by you for the decision of Government, the Lieutenant Governor sanctions the opening of the Civil Engineering College for the admission of all persons who may pass the prescribed examination for the purpose.

I have etc.,

Fort William
The 20th November, 1856.

Sd/- C. T. Buckland,
Junior Secretary to the Government of Bengal."

The Civil Engineering College, Calcutta, was opened on the 24th November, 1856, with 10 students and an Instructive Staff of two, namely, the Principal and Mr. Mohendro Lall Shome, the officiating Professor of Mathematics. Thus began another chapter of advancement in scientific and technical education. The foundation of a great institution for the Engineers of India was laid.

A few important facsimiles.

№ 62 dated C. E. College Calcutta
the 1st December 1856

From The Principal C. E. College at the Presidency.

To

The Director of Public Instruction in Bengal.

Sir.

I have the honor to report for your information, that in accordance with the permission granted in Mr. Junior Secretary Buckland's № 1358 of the 20th November, the College was opened on the 24th ultimo with a class of 10 — 1 — 1 now + increased by subsequent admissions to 21. Besides these, (7) seven Candidates have failed in passing the prescribed test, of whom 3 only are eligible for re-examination; the remainder having + vitiated their character .....

2. There are (6) six other applications for admission - so that the class will, I doubt not, number 30 or 35 ere long.-

3. Baboo Mohendro Lall Shome, appointed to officiate as Professor of Mathematics, joined on the 24th ultimo; Captain + Sherwill has not yet reported himself tone for duty. The studies in Civil Engineering and Survey are being conducted by me but I trust that His Honor the Lieutenant Governor will not fail to remember our wants, should any Gentleman, suitable for the office of Professor of Civil Engineering and Architecture, come under his notice for though on the look out I have as yet failed in meeting with any one.

+ Has reported himself this day

4. A Copy of this letter will be forwarded to Govt direct.-

I have &c
Sd/ E. B. S. Williams
Principal

BIRTH DATE
OF THE COLLEGE

№ 63 dated C. E. College Calcutta
the 1st December 1856.

Copy of № 62 of this date forwarded to the Junior Secretary to the Govt of Bengal, in the Revenue Dept. Director of Public Instruction.

E. B. S. Williams
Principal.

Govt. 1856 Bengal
General
Education

Civil Engg College
Presidency
№ 63

Dec.

1. 1st December
2. № 74. Forwarding by endorsement a copy of a Letter from the Director of Public Instruction reporting that Civil Engineering College opened on the 24th Ult. with a class of 21 admissions & Baboo Mohendro Lall Shome appointed to officiate as Professor of Mathematics has joined & he himself is commencing the studies in Civil Engineering & Survey. Instructs that the Govt will endeavour to remember the wants of that College.

1856-1864: CIVIL ENGINEERING COLLEGE, CALCUTTA

THE previous chapter briefly described the salient details of the early history of the establishment of the Civil Engineering College at Calcutta. An effort will now be made to trace the subsequent development of the institution by stages.

Capt. W. S. Sherwill, an officer of the Engineers, joined on the 1st December, 1856, as Professor of Surveying. On that date the number of students rose to 21. By April, 1857, the number went up to 31. A nominal role of students who joined the 1st Term of the 1st Session of the College is appended to this Chapter. No suitable person was available for filling up the Professorship in Civil Engineering and Architecture. Consequently, this post remained vacant and could not be filled up during the next three years.

The question whether a guarantee of public employ in the Public Works Department should be given to the graduates of the College had been under the consideration of Government for some time. Government of Bengal decided to give such a guarantee, and in their letter No. 1416, dated the 4th December, 1856, communicated this decision to the Government of India. The following appointments were guaranteed to the most distinguished students:–

5 appointments in the Engineer branch	2 to Europeans 3 to Indians	Salary beginning from Rs. 100/- to 200/- per mensem.
13 appointments in the upper subordinate branch.	5 to Europeans 8 to Indians	Salary beginning with Rs. 60/- per mensem.
30 appointment in the lower subordinates branch.	30 to Indians	Salary beginning with Rs. 25/- or 40/- per mensem according to qualification.

Sanction to the opening of a library for the College at a capital expenditure of Rs. 5,000/- was received some time in April, 1857. A Library Allowance of Rs. 200/- per month for its maintenance was also sanctioned for a period of one year from 1st May, 1857. This allowance was reduced to Rs. 100/- per month at the time of renewal of the sanction. By July, 1858, the Library consisted of 1,259 Works in 1621 Volumes.

With the establishment of the Calcutta University on January 24, 1857, a revolutionary change took place in the advancement of education in all its branches. The Faculty of Civil Engineering was formed simultaneously with eight members, and General Low, the Commander-in-Chief, was elected its first President at the meeting held on the 8th April, 1857. The Civil Engineering College was affiliated to the University by a Resolution passed on the 2nd May, 1857. Lieut. Williams, Principal of the College, was elected a member of the Faculty of Civil Engineering on the 12th December. On the 30th of July next year, he became a member of the Syndicate to represent the Faculty.

Regulations for the Degree of Master of Civil Engineering were settled by the Faculty of Civil Engineering of the University on the 8th April, 1857. Principal Williams pointed out that in several material points the standard of qualification for the M.C.E. Degree fell far short of the course he was trying to adopt at the Civil Engineering College. This was discussed at a meeting of the Faculty held on the 19th November, 1858, and Lieut. Williams was asked to submit a revised standard of test for the M.C.E. Degree. On the basis of his suggestion the Regulations were revised, and a three-year's theoretical with two years' practical training course for the degree of Licentiate in Civil Engineering, in addition to that for the M. C. E. Degree, was introduced in 1860. It was also decided that the first examination in L.C.E. would be held in March, 1861. The course of instruction in the College was also altered so as to prepare the students for the L.C.E. Degree. Two "Forbes Foundation Scholarships" each of Rs. 10/- per mensem, tenable for one year, were instituted in 1857 to perpetuate the memory of Major-General W. N. Forbes of the Bengal Engineers, late Master of the Calcutta Mint.

Mr. Mohendro Lall Shome, who joined with the opening of the College as Professor of Mathematics purely in a temporary capacity, left in the beginning of 1857 and Mr. H. Scott Smith took over as the permanent Professor of Mathematics. Lectures on various subjects were given by the Principal and the two Professors. The duties of the Civil Engineering Professor were performed by the Principal who was also acting as Master of Drawing. Arrangements were also made for the students to attend lectures in certain subjects, such as Geology and Chemistry, at the Presidency College. By March, 1859, the number of students rose up to 66, but the number of Professors remained unaltered, viz., three including the Principal. This caused a lot of strain to the members of the teaching staff and the College lost efficiency in proportion.

Lieut. Williams left for Europe on 15 months' medical leave in January, 1859. Capt. G. Chesney, Asst. Principal of Thomason College, Roorkee, was appointed to act as Principal on the 21st January, 1859. While on his way to Europe, Lieut Williams forwarded from Aden a memorandum on the state of the College, in the light of which the teaching staff of the College was strengthened in the latter part of 1859, and Lieut. H. T. Gordon joined as Professor of Constructive Design and Mr. C. Grant as

Drawing Master. Survey Training Camps used to be held in those days mostly at or near Raneegunge.

The same staff continued in 1860. In 1861 Major W. E. Warrand joined as Principal in place of Major Chesney who had so long been officiating. Capt. A. E. Perkins relieved Lieut. Gordon as Professor of Constructive Design in the same year. Capt. Sherwill left at the end of 1861. Mr. Rukstuhl, a young German Engineer, joined in 1862 temporarily as Lecturer in Surveying. After the transfer of Major Warrand, Major J. G. Medley joined as the officiating Principal in 1862 and left in January, 1863. Lieut. G. S. Hills, who had earlier joined the College as Asstt Principal, next officiated as Principal for a few months. Mr. T. Martin took over from Lieut. Hills sometime in June, 1863, and acted as the Principal till November, 1864. The teaching staff was further strengthened in 1861 by the inclusion of Mr. Khetter Nauth Bhattacharjee and Mr. Taruck Nath Dutt as Master of Surveying and Engineering and Master of Mathematics respectively.

The first batch of students appeared in the theoretical part of the L.C.E. Degree Examination in 1861. Six of them came out successful, four being placed in the First Division and two in the Second Division. Mr. Dinno Nath Sen stood first and won a Gold Medal. He distinguished himself as an Engineer and was well known all over Bengal. The names of the successful candidates of the first L.C.E. Examination held in 1861 are given below :

First Division :
Dinno Nath Sen
Mothora Nath Chatterjee
Omesh Chunder Ghose
H. M. Adams

Second Division :
Jadub Chunder Dey
Boycunto Nath Dey

In 1862 five students passed in the First Division and nine in the Second Division. Mr. Ramtaran Majumdar who stood first won a Gold Medal. In 1864, 11 students appeared in the L.C.E. Examination. Only five passed—two in the First Division and three in the Second Division.

In August, 1862, Government of India invited the views of the Government of Bengal as to the expediency of uniting the Civil Engineering College with the Presidency College. Unfortunately, the Government of Bengal did not lay any stress on the maintenance of the College as a separate institution and, on the contrary, agreed to accept the suggestion. The proposition was then referred to the Secretary of State for India, and his approval was received in Despatch No. 23, dated the 7th November, 1864. An extract from the Despatch is given below :

> "I see no reason to doubt that, by the addition of a proper staff of Professors in professional subjects, effectual provision, sufficient at least for the present, can be made for the theoretical training of Civil Engineers at the Presidency College ; and I accordingly approve the resolution to which you finally came, to abolish the Civil Engineering College as a separate institution."

This unfortunate decision impeded the progress of engineering as a major branch of studies for at least fifteen years that followed.

The Government of Bengal followed up this decision and in their letter No. 4789, dated the 4th November, 1864, addressed to the D.P.I., issued an order amalgamating the Civil Engineering College with the Presidency College. An extract from this letter is reproduced below :

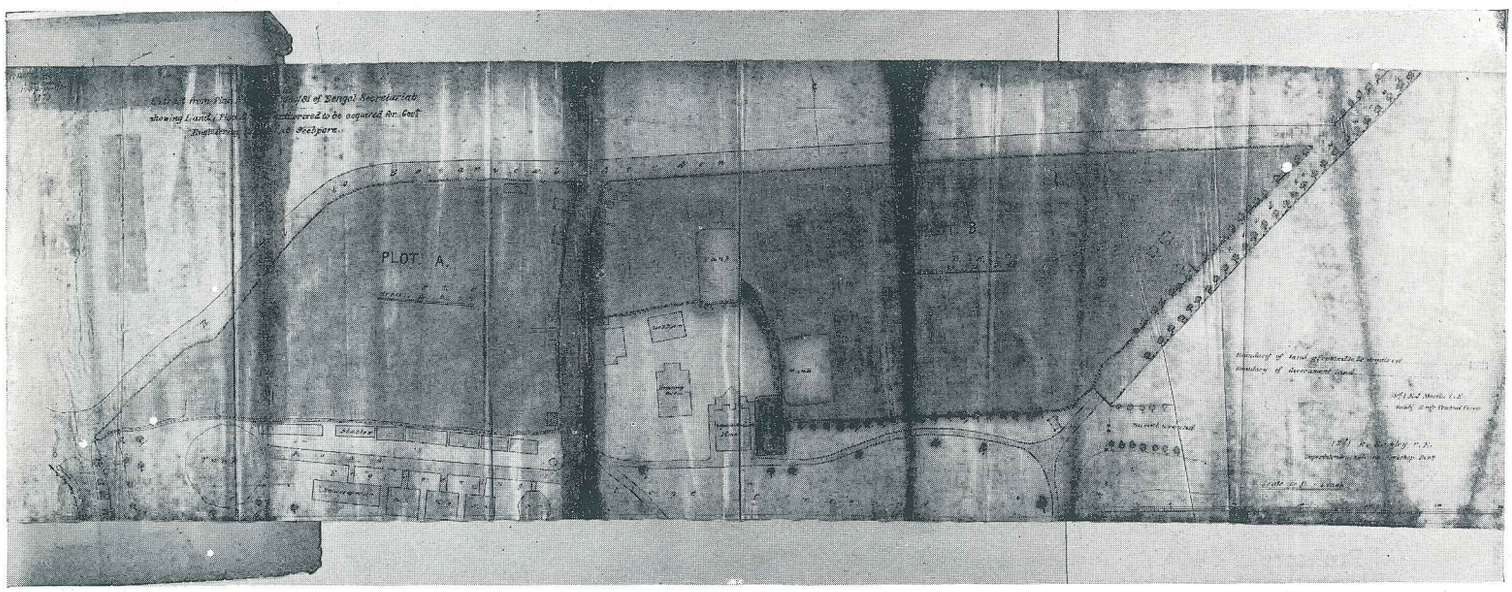
> "I am directed to acknowledge the receipt of your letter No. 256-T, dated the 19th September last and in reply to inform you that the Lieut. Governor authorises the amalgamation of the Civil Engineering and Presidency Colleges being carried out at once and desires that you will submit at as early a date as possible the promised report regarding the premises which can be hired near the Presidency College for accommodating the Civil Engineering Classes and the staff of teachers that will have to be maintained for the amalgamated college."

The administrative control was assumed by the Principal of the Presidency College in the same month, and the process of amalgamation was completed in the month of April, 1865. Thus ended, though temporarily as later events will show, the separate existence of the Civil Engineering College that was brought into being as a full-fledged institution through the untiring efforts of Lieut. Williams, the first Principal of the College, despite the interruptions caused by the "Sepoy Mutiny of 1857".

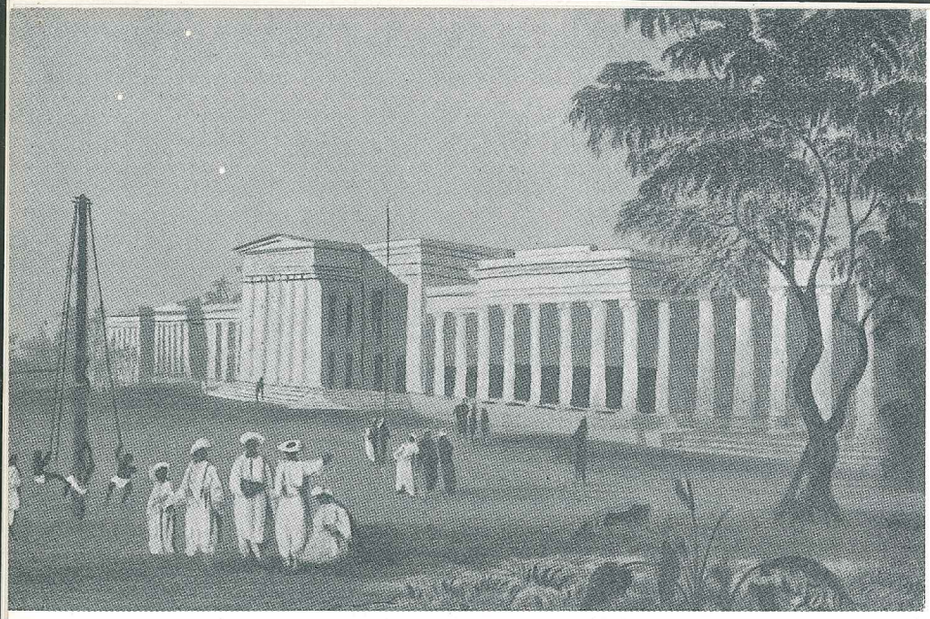
Nominal Roll of students attending the 1st Term of the 1st Session of the Civil Engineering College, Calcutta The 15th April, 1857

	Name	School or College at which educated	Nature of education received	Scholarship holders of
1.	Cally Prosunno Roy	Dacca and Presidency College	3rd year's Course	Senior
2.	Khetter Mohun Bose	Ooterparra School and Presidency College	1st year's Course	Junior
3.	Edwin Sturmur	Parental Academy and Doveton College	Junior Scholarship Standard	
4.	Gopaul Chunder Coondoo	Oriental Seminary & Presidency College	Senior Scholarship Standard	Senior
5.	Radhica Narain Ghose	Hindoo School and Presidency College	Senior Scholarship Standard	
6.	Mohes Chunder Bose	Oriental Seminary & Hindoo Metropolitan College	Junior Scholarship Standard	
7.	Ramessur Nath	Krishnuggur College	1st year's Course	Junior
8.	Harran Chunder Bose	Hooghly Branch School, Hooghly and Presidency College	Senior Scholarship Standard	
9.	Woomesh Chunder Mitter	Hooghly College	1st year's Course	Junior
10.	Koomeda Churn Bose	Midnapore School & Hooghly College	Senior Scholarship Standard	
11.	Gopaul Chunder Mookerjee	Hindoo & Presidency College	Senior Scholarship Standard	
12.	Jodoonath Seal	Hooghly School and College	1st year's Course	
13.	Bhoobun Mohun Lahoorry	Howrah School, and Metropolitan College and Presidency College	1st year's Course	Junior
14.	Jogender Chunder Mitter	Hindoo College & Presidency College	Senior Scholarship Standard	
15.	Shib Chunder Mullick	Bhowanipoor Mission School, Colootollah Br. School & Presidency College	1st year's Course	
16.	Surrut Chunder Ghose	Chinsurah Inst. and Hooghly College	1st year's Course	Junior
17.	W. H. Bonnaud	St. Paul's School	Junior Scholarship Standard	

	Name	School or College at which educated	Nature of education received	Scholarship holders of
18.	Mohendra Nath Banerjee	Hooghly School and College	1st year's Course	Junior
19.	Chooney Lall Mullick	Colootollah Branch School & Presidency College	3rd year's Course	
20.	Bhoobun Mohun Burral	Hooghly School and College	1st year's Course	Junior
21.	Nobin Krishna Bose	Hooghly and Presidency College	1st year's Course	
22.	Shama Sunkur Doss	Dacca and Presidency College	1st year's Course	
23.	Sheebo Kedar Mookerjee	Ooterparra Govt. School	Junior Scholarship Standard	
24.	Roop Lall Mitter	Hindoo School and Presidency College	1st year's Course	
25.	Umbica Churn Bose	Dacca and Presidency College	1st year's Course	
26.	Soobul Chunder Mullick	Hooghly School and College	1st year's Course	
27.	Bholanath Banerjee	Howrah School and Presidency College	Senior Scholarship Standard	Senior
28.	Khetter Nath Bhuttacharjee	Rajpoor School and Presidency College	Senior Scholarship Standard	Senior
29.	Tin Cowrey Ghose	Colootollah Branch School & Presidency College	4th year's Course	
30.	P. Neuville	St. John's College & Mr. Montague's Academy	Junior Scholarship Standard	Junior
31.	Mohendranath Bose	Colootollah Branch School	Junior Scholarship Standard	



PLAN OF B. E. COLLEGE CAMPUS 1880 FROM AN OLD DRAWING



THE HINDU COLLEGE BUILDING NAMED THE PRESIDENCY COLLEGE FROM 1855-1874

1865-1879—AS AN ADJUNCT OF THE PRESIDENCY COLLEGE

THIS is a rather uneventful chapter in the history of the Engineering College which, by an unfortunate decision, lost its independent existence as a separate institution in November, 1864, when the administrative control of the Engineering College passed on to the Principal of the Presidency College, and it became a part of that College. The idea at first was to maintain the engineering classes in a separate building to be hired as near the Presidency College as possible. As a measure of economy, however, this idea was dropped, and eventually the classes were transferred to the Presidency College building in April, 1865. The process of amalgamation was completed, and the Civil Engineering Department was constituted.

At the time of transfer there were 32 regular and 23 out-students, and the Instructive Staff consisted of the following:—

Principal & Professor of Engineering	on Rs. 650/- p.m.
Professor of Mathematics... ...	on Rs. 700/- p.m.
Professor of Drawing	on Rs. 350/- p.m.
Professor of Architectural Design	on Rs. 430/- p.m.
Surveying Master	on Rs. 250/- p.m.
Mathematical Master	on Rs. 200/- p.m.

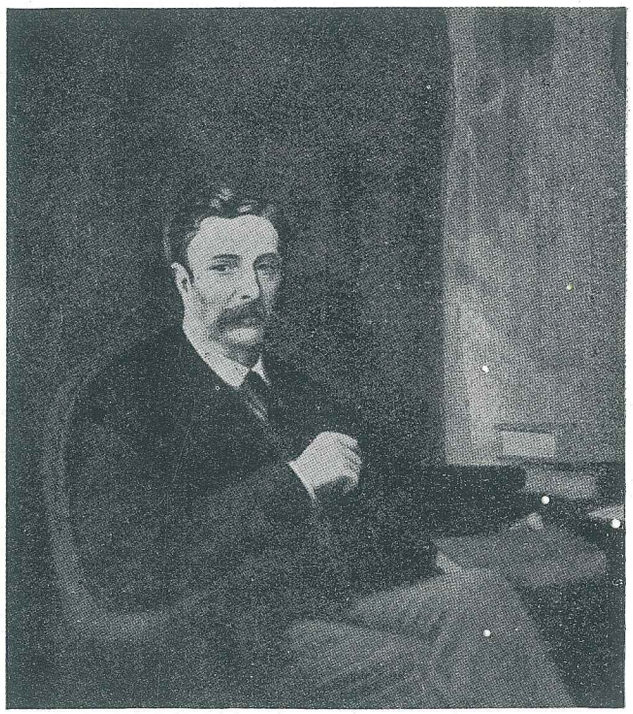
On the recommendation of Mr. J. Sutcliffe, Principal of the Presidency College, the strength of the staff was reduced and the following Staff was sanctioned for the Civil Engineering Department by Government Order No. 3827 dated the 3rd June, 1865:—

Professor of Engineering	on Rs. 600/- p.m.
Assistant Professor of Engineering	on Rs. 350/- p.m.
Professor of Mathematics ...	on Rs. 700/- p.m.
Professor of Drawing	on Rs. 350/- p.m.

The Office Establishment of the amalgamated College amounting to Rs. 556/- a month was also sanctioned. Besides, a Library allowance of Rs. 1,000/-, Model allowance of Rs. 100/-, Contingent allowance of Rs. 100/-, Survey expenses of Rs. 166-10-8 and prizes of the value of Rs. 37-8-0 were sanctioned as before. It was arranged that the students of the Civil Engineering Department would attend lectures in some branches of the natural and physical sciences, particularly Geology and Chemistry, along with the students of the General Department.

Prior to the amalgamation a proposal was mooted to the effect that it might be advantageous to constitute a Board of Studies for Civil Engineering of which the Chief Engineer of Bengal should be ex-officio President. This proposal was abandoned as it was pointed out, and rightly so, that the Faculty of Engineering would in

J. S. SUTCLIFFE, PRINCIPAL 1865-1876



reality be a Board of Studies for the Engineering Department.

A Code of Rules for the Civil Engineering Department prepared by the Director of Public Instruction and submitted on the 19th September, 1864, was approved by Government on the 4th November, 1864. It was prescribed in the Code that—

(*i*) A Candidate for admission to the Civil Engineering Department must have passed the University Entrance Examination;

(*ii*) The Course of Study extends over a period of 3 years and will enable students to qualify themselves for the University Degree in Civil Engineering;

(*iii*) Five scholarships of Rs. 50/- per mensem to be held for two years are available annually for students who pass the University Examinations for the L. C. E. or the Degree of B. C. E.;

(*iv*) The scholarship-holders receive practical training
(a) in the Government Survey Department for six months,
(b) in Government workshops for six months, and
(c) in Government works in progress for one year;

(*v*) Other successful students are allowed to go through the same course of practical training free of charge;

(*vi*) Two "Forbes Foundation Scholarship" each carrying a stipend of Rs. 10/- per mensem and free tuition for one year are available for award on the results of the College Examination at the end of the 2nd year;

(*vii*) 17 appointments in various grades under the Public Works Department are available and may be competed for by successful candidates. The appointments are all probationary for one year;

(*viii*) Regular students are required to pay an entrance fee of Rs. 10/- and a monthly tuition fee of Rs. 5/-;

(ix) Out-students are permitted to attend but they are not required to undergo any entrance examination and are not admitted to the College examination. They receive no certificate of proficiency.

The Presidency College was duly affiliated on July 15, 1865 to the Calcutta University in respect of the Civil Engineering Department. Regulations for the B. C. E. Degree were settled earlier. According to the revised regulations published by the University, examination was to be held annualy for (*i*) a License in Civil Engineering, (*ii*) the degree of Bachelor in Civil Engineering, and (*iii*) Honors in Civil Engineering. Besides the above, any one who had graduated as B. C. E. and practised as an Engineer with repute for not less than four years could submit a thesis for the Degree of Master in Civil Engineering.

After the amalgamation, the Civil Engineering Department of the Presidency College started with the following Instructive Staff:—

Professor of Engineering	...	Mr. J. W. Galwey.
Asst. Professor of Engineering	...	Mr. J. M. Scott.
Professor of Mathematics	...	Mr. S. Lobb.
Professor of Drawing	...	Mr. C. Grant.

There was no increase in the sanctioned strength, as far as could be gathered, till 1869, when the staff was strengthened by the appointment of two Assistant Professors in view of the rush of students. Shri Ananda Mohan Basu, the distinguished educationist, was a Professor of the Engineering Department for a short period in 1870.

The Presidency College building was not commodious enough for accommodating the classes of the Engineering Department, and the result was over-crowding. This told upon both the Departments—Engineering and General. In 1872 the Hare School moved to a new building, and the rooms vacated by the School were occupied by the Civil Engineering Department.

The first Degree examination of Bachelor in Civil Engineering (B.C.E.) was held in 1864. Two candidates Satkari Chattopadhaya and Ambika Charan Chaudhuri came out successful. The former passed the L.C.E. from the Civil Engineering College in 1862. The latter distinguished himself in later life. A Trust Fund was created in the University in his name in 1880 to award a Gold Medal known as the "Ambica Charan Chaudhuri Gold Medal" to the best mathematician at the L. C. E. and B. E. Examinations.

In 1878 the Government of Bengal appointed a Committee to consider the question of the establishment of a Practical Training Institution for Engineers at Calcutta in connection with the Workshops of the Public Works Department. The Committee was further asked to report whether it would not be desirable to remove the Civil Engineering Department from the Presidency College to the neighbourhood of the proposed Training Institution to enable the two to work together as one institution for imparting an integrated technical education and training for engineers. The Committee recommended that both theoretical and practical training should be imparted to Civil and Mechanical Engineers and also the subordinate staff of the Public Works Department. They further recommended removal of the Engineering Department from the Presidency College, as this arrange-

ment was not conducive to the promotion of engineering. Paragraphs 3, 4 and 5 of the Committee's recommendations are quoted below:—

"(3) The Committee unanimously recommended that the Civil Engineering Branch of the Presidency College should be incorporated with the proposed institution, the whole forming one great Technical School for the training of engineers and mechanics; but that theoretical and practical branches should be under entirely independent management, the supervision and control of the former resting with the Education Department and that of the latter with the Public Works Department.

(4) Meanwhile, the question of site was disposed of by the selection of premises at Sibpur near Howrah, and by the acquisition of a large area of land on the river-bank immediately above those premises.

(5) Arrangements are in progress for the purchase of these premises which are suited for a College and already workshops have been constructed on the land adjoining on a scale that will, in the opinion of the Committee, fully meet the requirements of an Engineering College and Technical School in its earlier stages, and will admit of expansion hereafter to any extent that may be required.

(6) In regard to organisation of the proposed institution, the Committee recommend that, at first, the following four classes of pupils should be trained:—

(1) Civil Engineers (2) Mechanical Engineers
(3) Civil Overseers (4) Mechanical Overseers

and that a fifth class for Draftsmen and sixth for the improvement of Skilled Workmen, corresponding to the Mistry class at Roorkee and to Col. Hyde's class at the Mint may be usefully established."

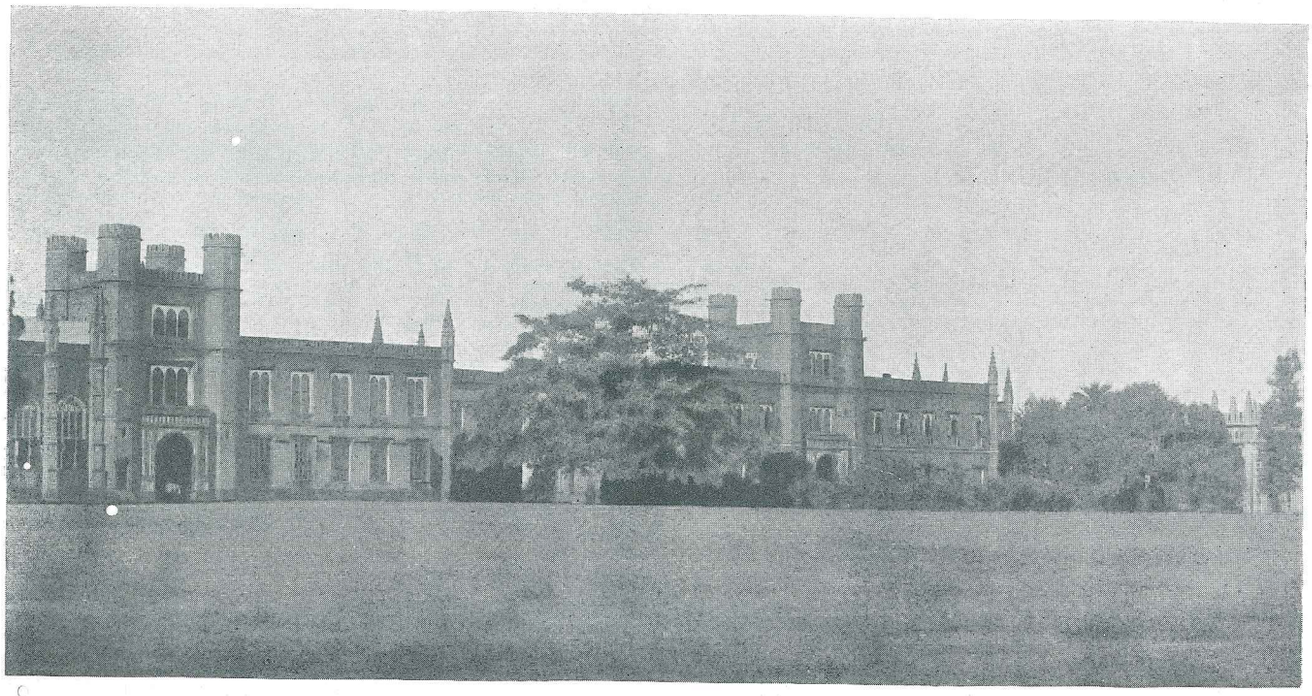
Accepting these recommendations the Government of Bengal decided to shift the Engineering classes to a new site where Engineering training could with advantage be given through a separate and properly constituted institution as used to be done before 1865, and communicated their order in Public Works Department Resolution No. 2310E dated the 15th December, 1879. An extract from this Resolution is reproduced below:—

"(13) The Lieutenant-Governor approves of the recommendations of the Committee but he would, in addition, form a small vernacular class for the sons of artizans and mistries; these boys would work regularly in the shops and would have only a few hours' school training in the vernacular.

(23) The Lieutenant-Governor believes that this institution will do more good to the people of this country than any school which has yet been established. It will give native boys of all classes the means of obtaining a thoroughly practical education, and will enable them to leave beaten track of clerical and ministerial service for which alone they now care to qualify themselves, and will open to them a large and lucrative professional career. At the same time it will provide a suitable training for European and Eurasian boys in this country and place them in a position to earn an honourable livelihood in a profession for which they are well adapted."

The premises of the Bishop's College at Sibpur near which the Public Works Department Workshops and Manufactories were recently constructed were acquired under the Land Acquisition Act (Act X of 1870) by a Declaration dated the 29th March, 1880. The price was settled by negotiation with the owner, the Society for the Propagation of the Gospel, and fixed at Rs. 300,000/-—Rupees two Lakhs for the buildings and Rupees one Lakh for the land measuring approximately 120 bighas. Possession of the premises was taken on the 16th February, 1880, and a deed of sale was extended on the 16th August of the same year. On the 5th April, 1880, the Engineering Department moved to the new site which the College occupies to this day, and was redesignated as the "Government Engineering College, Howrah".

An unsatisfactory arrangement continuing for 15 years was put to an end, and a positive step in the advancement of technical education was thus ultimately taken.



BISHOP'S COLLEGE 1880

1880-1887 : GOVERNMENT ENGINEERING CCLLEGE, HOWRAH.

THE year 1880 is the turning point in the history of the College. It had at last got a site of its own where it could expand and develop. Thus began a new life for the College when it occupied the premises of the Bishop's College at Sibpur.

It will be of some interest to refer in brief to the history of the Bishop's College at Sibpur where the Engineering College was shifted in 1880. As early as in 1819, on the representation of Bishop T. F. Middleton, Bishop of Calcutta, the Society for the Propagation of Gospel agreed to found a Mission College in or near about Calcutta and contributed £5,000 for the purpose. The Society for Promoting Christian Knowledge and the Church Missionary Society for Africa and the East each added like sums of £5,000. Besides, a general collection was authorised by a Royal Letter. The East India Company gave a site, 62 bighas in area, at Sibpur, on the western bank of the river Hooghly, a little below Calcutta. The site was then "a wilderness of high grass, creeping shrubs and stagnant pools", but was considered suitable on account of its distance from the distractions of Calcutta. The foundation stone of the College was laid on the 15th December, 1820. Construction of buildings including a Chapel of Gothic architecture, the first of its kind in India, began under the supervision of Mr. William Jones, better known as "Guru Jones", and was completed in 1824. The area was extended further by the free gift of a piece of land on the bank of the Hooghly and later in 1826 by presentation of another 48 bighas from the Governor-General. The College flourished for a long time but thereafter it gradually declined and was ultimately shifted to Calcutta. The land and buildings consisting mainly of the Eastern Block, Western Block, Central Block, Chapel, Library, Dining Hall, Principal's Quarters, Doctor's Quarters, Executive Engineer's Quarters, Octagonal Bungalow, three Bungalows for students and the Old Chemical Laboratory were acquired by Government in 1880 for the Engineering College.

An amusing development took place after occupation of the premises by the Engineering College, which may be narrated here as an interesting side-light. As the classes were to be started in April, 1880, Government took over possession with the consent of the Society before the acquisition proceedings were completed. It was verbally agreed that the Society would be permitted to remove their books, furniture etc., from the buildings even after the relinquishment of possession. A dispute, however, arose over the removal of two book-shelves, one big table and eleven chairs, specially made for the Library building as the experts of the Public Works Department were of the opinion that these articles were 'fixtures' and not 'furniture' and consequently, being part of the building purchased by Government, were not removable. The disputed issue had to be referred for opinion to the Remembrancer of Legal Affairs who said that "the Library chairs and tables are not fixtures. Whether book-shelves are so or not depends upon whether they are permanently

fastened to the walls or into the floor, and whether they could be removed without breaking the wall or floor and injuring the building". However, the dispute was satisfactorily resolved, on the strength of this legal opinion though, and permission for removal of the articles was granted.

The first session of the College under the name of the "Government Engineering College, Howrah", started at Sibpur on the 5th April, 1880 with 73 students. Mr. S. F. Downing, Professor of Engineering, was transferred from the Presidency College as Principal of this College. Mr. J. S. Slater, Mr. J. H. Gilliland and Mr. Dwarka Nath Dutt were also transferred from the Presidency College and appointed as Professor of Civil Engineering, Professor of Mathematics and Assistant Teacher of Drawing and Surveying, respectively. Mr. J. T. Bartlett was temporarily appointed as Professor of Drawing. The Workshops of the Public Works Department at Sibpur were attached to the College for instructional training of the students.



S. F. DOWNING, FIRST PRINCIPAL,
GOVERNMENT ENGINEERING COLLEGE,
1880-1891

At about the same time 80 Apprentices of the Government Workshops at Dehri-on-Sone were transferred to Sibpur, and the Apprentice Department of the College was formed. Mr. C. Fouracres and Mr. C. Gilmore were transferred from Dheri-on-Sone and became the Superintendent and Teacher respectively of the Apprentice Department.

At the instance of the Government of Bengal, the University of Calcutta revised its regulations further in order to enable a candidate to obtain a License in Engineering or the Degree of Bachelor in Engineering in either of the two branches—(A) Civil Engineering and (B) Mechanical Engineering. The following courses of instructions were accordingly sanctioned :—

(*i*) The Engineer Class was divided into two sections,—(A) Civil and (B) Mechanical.
The courses of instruction were of four years' duration followed by one year's practical training ;
(*ii*) Overseer Class (C) ; and
(*iii*) Mechanical Apprentice Class (D).
The courses of instruction were of three and a half years' duration followed by one and a half years' practical training.

An admission fee of Rs. 10/- and a monthly tuition fee of Rs. 8/- were payable for the Engineer Class and those for the Overseer Class were Rs. 5/- and Rs. 3/- respectively. Mechanical Apprentices, on the other hand, were paid an allowance. Europeans and Anglo-Indians used to get Rs. 5/- a month and Indian Apprentices Rs. 3/- a month. Special Entrance Tests were held for admission. The College was affiliated to the University of Calcutta with effect from the 1st April, 1880, by a resolution of the Syndicate passed on the 17th April, 1880.

On the 12th April, 1880, Director of Public Instruction issued a Notification saying that owing to the unexpectedly large number of applicants for admission to the new Engineering College, and the difficulty of obtaining lodgings in Howrah and the neighbourhood, it has been decided to postpone admission to the College of new students until the beginning of the new session in June, 1880. Additional accommodation on the premises for 200 Indian students would be provided by that date.

The following Notification was issued by the Director of Public Instruction on the 10th June, 1880 :—

"Government Engineering College, Howrah

1. The College will reopen on Monday, the 21st June.

2. Any student desiring to join the Engineer Classes of the College should apply to the Principal, enclosing a copy of his Entrance or First Arts certificate. The monthly fee for these Classes is Rs. 8/- and an admission fee of Rs. 10/- must be paid by each student before his name can be enrolled on the books of the College.

3. An examination for admission to the Overseer

and to the Mechanical Apprentice Classes will be held at the College on Monday, 28th June. The subjects of examination are English, Arithmetic, Algebra (simple equations), and the first two books of Euclid. Application for admission to the examination should be made to the Principal on or before the 25th June. Candidates who have passed the Entrance Examination of the University or who have passed that examination in the subjects of English and Mathematics, and also those candidates who passed the qualifying examination held at the Presidency College on the 29th March, will be admitted without further test. The monthly fee in the Overseer Class is Rs. 3/-, and an admission fee of Rs. 5/- will also be charged.

4. Mechanical Apprentices will, after a six months' period of probation, be bound by Indenture for 5 years to the Superintendent of the Workshops. They will be boarded and lodged on the College premises ; and the charge for board and tuition will be, for European and Eurasian apprentices, up to 30 in number, Rs. 5/- per mensem, and for Native apprentices, up to 40 in number, Rs. 3/- per mensem. The number of European and Eurasian apprentices is already complete ; but a few supernumerary apprentices will be admitted at the rate above stated, on special grounds for the concession being shown. Beyond these limits, students will be admitted as apprentices on payment of the full charges for boarding, which in the case of European and Eurasian students are estimated at Rs. 15/- per mensem, and of Native students at Rs. 7/- per mensem. No other fee will be charged to apprentices of this class.

5. Ten Junior Scholarships, tenable for 2 years in the Engineer Classes of the College, will be awarded to those students who have taken the highest places in the University Examinations.

6. Ten scholarships of the value of Rs. 7/- a month, tenable for 3½ years in the Overseer Class, will be awarded to those candidates who may take, or have already taken, the highest places in the qualifying examination of the class. Those students who join the Overseer Class with the University Entrance Certificate will also be regarded as candidates for these scholarships.

7. As far as the accommodation will permit, students in the Engineer and Overseer Classes, whether European or Native, will be allowed to reside on the premises. European and Eurasian students of these classes will be required to pay the full charge for messing, all arrangements for which will be made by the Superintendent of the Workshops. Native students residing in the premises will make arrangements among themselves for messing, under rules to be approved by the Superintendent. Accommodation for 200 Native students is now ready."

The half-yearly examination of candidates for promotion and employment in the Public Works Department was held in the College on Monday, the 2nd August, 1880.

With the opening of the College at its new site the system of an annual course of lectures by Visiting Lecturers at the rate of Rs. 30/- per lecture was introduced and sanctioned by Government Letter No. 816-T, dated the 15th October, 1880. Mr. Dejoux was the first Visiting Lecturer.

By another Notification dated the 28th December, 1880, Government appointed a Board of Visitors to exercise general supervision over the College. The following were members of the first Board of Visitors of the College :—

The Ven'ble J. Baly, M.A., Archdeacon of Calcutta.
Colonel F. S. Stanton, R.E., Officiating Secretary to Government in the Public Works Department, *ex-officio*.
A. W. Croft, Director of Public Instruction, *ex-officio*.
H. C. Levinge, Joint Secretary to Government, Public Works Department, Irrigation Branch, *ex-officio*.
Surgeon-Major J. G. Pilcher, Civil Surgeon, Howrah, *ex-officio*.
Kunjalal Banerjee, Judge of the Small Cause Court, Calcutta.
W. H. Ryland, Officiating Superintendent of Stamps and Stationery.
Bhoodev Mookerjee, C.I.E., Inspector of Schools, Western Circle.
A. W. Garrett, Inspector of Schools, Presidency Circle, *ex-officio*.
S. F. Downing, Principal of the Engineering College, *ex-officio*.
Pundit Mohesh Chunder Nyaratna, Officiating Principal of the Sanskrit College.
C. Fouracres, Superintendent of Workshops, Sibpore, *ex-officio*.
K. B. Stuart, M.D., F.R.C.S.

On 3rd August, 1881, it was decided in compliance with the agreement with the Bishop's College that the Chapel attached to the College should be treated as a Government Institution and forms part of the College for the purpose of repairs and maintenance. By a Resolution No. 2803-E, dated the 22nd November, 1881, the control of the College and its students as distinguished from the Workshops were transferred from the Public Works Department to the Education Department. The system of appointing Monitors for the Engineer Classes was introduced in the year 1881-82, and on the recommendation of the Board of Visitors,

Government sanctioned on the 27th January, 1882, payment of remuneration at the rate of Rs. 3/- per mensem to each of the two Monitors of the Christian students of A and B classes and at the rate of Re. 1/- per mensem to the Monitor of the Indian students. Sibpur Volunteer Rifle Corps was also organised and sanctioned in the same year.

In December, 1880, about 32 bighas of land intervening between the P.W.D. Workshops and the College were acquired at a cost of Rs. 25,200/- for remodelling of the Workshops and also for expansion of the College.

An unfortunate incident took place on the 22nd April, 1881, over an alleged assault by Mr. Fouracres, the Superintendent of the Workshops, on one Srish Chandra Lahiri, a student of the second year Engineer Class. The students did not attend the Workshops on the 25th April, and a petition signed by 87 students was submitted on the same day. As a sequel to this incident as many as 70 students were expelled from the College. The matter, however, ended happily and the expelled students were subsequently re-admitted. As some time was lost over this incident, the practical training in that year had to be reduced to six months.

The University Regulations were revised in the year 1883-84. The First Examination in Engineering was introduced for the first time with effect from the 1st August, 1883. L.C.E. was abolished and L.E. (License in Engineering) was introduced in its place. The Degree of B.C.E. was replaced by B.E. (Bachelor in Engineering) at the same time. The revised Regulations in respect of B.E. came in to effect on and from the 1st January, 1885.

The First Examination in Engineering was held in 1883, and out of five students that appeared only one came out successful. The First Examination in L.E. was held the following year. One candidate appeared with success. The first B.E. Examination was held in the year 1886. Out of two candidates appearing in that examination only one was successful. His name is Sarabji Shavaksha. It may be mentioned here that Surendra Kumar Basu passed B.C.E. in 1880 after the College opened at Sibpur. He is the famous author of the popular text-book, *Building Materials and Construction.* Another distinguished student of the period is Benimadhab Mitra who passed B.E. in 1900 and made his mark as an authority on Roads Construction. Anukul Chandra Mitra also passed in 1887 and became famous as a practical engineer of great skill. He was in charge of the construction of the 'Victoria Memorial.' Annada Prosad Sarkar who passed in 1883 was the first Indian Chief Engineer in Irrigation Department.

Though the College was founded for the purpose of training out Civil as well as Mechanical Engineers, in actual practice, however, no proper arrangement was made for giving training in higher Mechanical Engineering of the standard of the Degree Course. In November, 1884, a Parsee student Sarabji Shavaksha, who had passed the First University Examination held in August of the same year, applied for permission to take up the Mechanical Engineering course. This presented a problem to the Principal. Ultimately, it was decided in July, 1855, to appoint Mr. Mondy, the Professor of Natural Science and a Whitworth Scholar, also as Professor of Mechanical Engineering. It was further decided that this arrangement would be given effect to only in the event of a class of at least six students being formed for the study of Mechanical Engineering. No class could however be formed. Sarabji Shavaksha is the first B.E. from this College having passed the Degree Examination in 1886.

On the 27th June, 1884, sanction to the construction of permanent quarters for students consisting of three blocks of buildings at an estimated cost of Rs. 1,79,363/- was received and the construction was completed during the year 1886-87. This group of buildings is now known as the Downing House—Eastern Barracks, Western Barracks and Central Barracks.

Under Resolution No. 1443-G of the Government of India in the Public Works Department, dated the 13th December, 1884. Indian students were declared eligible for the "guaranteed appointments" under the Public Works Department, and the allotment of this College was fixed at two and one in every alternate year. In 1886, an attempt was made to increase the allotment to 4 and 5 alternately as was fixed for the Thomason College Roorkee, but it did not succeed.

In December, 1886, the Director of Public Instruction proposed the appointment of a Committee, consisting of the Principal, Mr. Slater, and two officers to be nominated by the Chief Engineer, to consider the necessity of revising the constitution of the College. As, however, a sub-committee of the Board of Visitors was looking into the matter for removal of certain practical defects existing in the course of instruction, it was decided to postpone the formation of the proposed committee until submission of a report by the sub-committee.

Scholarships and free-studentships were given liberally during this period as will be seen from the statement given below:—

A. *For the Engineer Department*

(*i*) One Junior Scholarship of the value of Rs. 20/- a month.

(*ii*) Three Junior Scholarships of the value of Rs. 15/- a month.

(*iii*) Six Junior Scholarships of the value of Rs. 10/- a month.



THE OLD LIBRARY OF BISHOP'S COLLEGE, SIBPUR ON THE FIRST FLOOR OF THE CHAPEL BLOCK, USED FOR MANY YEARS AS A LIBRARY OF THIS COLLEGE.

(*iv*) Senior Scholarships of the same number and value.

*(*v*) Two "Forbes" Scholarships of Rs. 10/- a month, each tenable for one year.

*(*vi*) Two Graduate Scholarships of the value of Rs. 100/- each.

(*vii*) Six Graduate Scholarships of the value of Rs. 50/- each.

B. *For the Mechanical Apprentice Department*

(*i*) Ten Scholarships of Rs. 10/- a month, each tenable for one year and a half.

(*ii*) Ten Scholarships of Rs. 6/- a month, each tenable for one year and a half.

(*iii*) Five European or Eurasian students were boarded free at a cost of Rs. 20/- each.

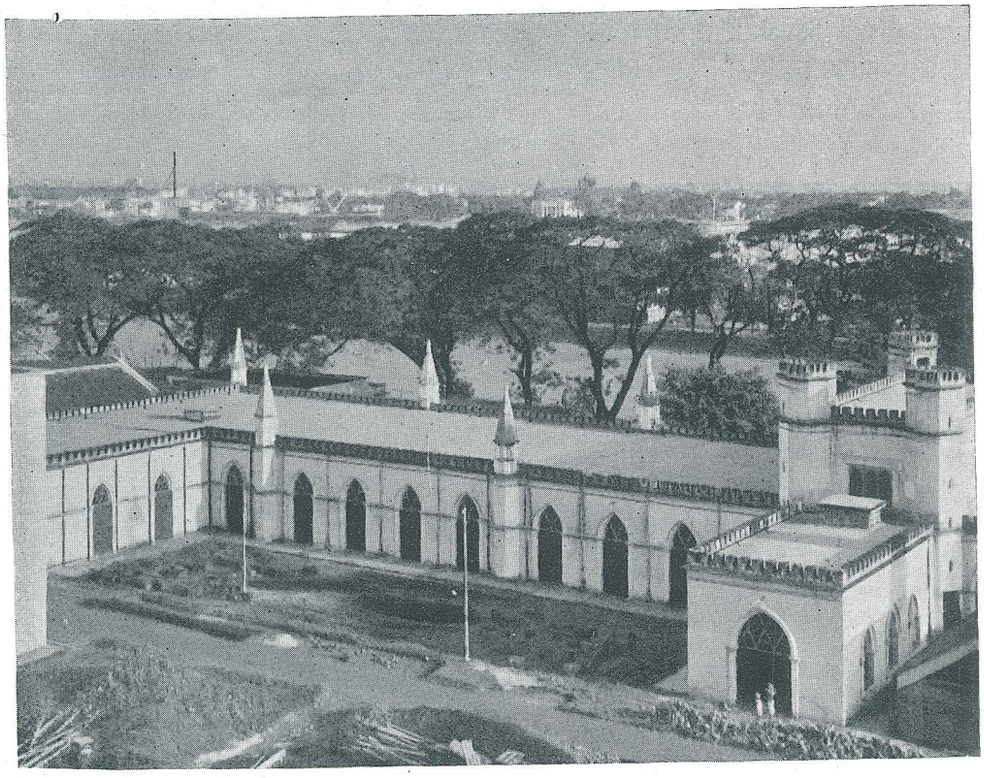
(*iv*) Twenty-five European or Eurasian students were boarded partly free at a cost of Rs. 15/- each.

(*v*) Forty Indian students were boarded partly free at a cost of Rs. 5/- each.

The capital outlay during the period—1880 to 1887—on lands and buildings of the College was Rs. 7,87,434/- and the cost of the College staff including establishment and contingencies amounted to Rs. 3,86,540/-. The output was not correspondingly satisfactory. Only 33 Engineers and 68 Subordinates or Overseers came out of the College during this period out of a total number of 1,027 students.

On the representation of the Principal that the present designation of the College was giving rise to postal irregularities and delays on account of letters and other communications being invariably addressed to Howrah, the designation was changed to the "Civil Engineering College, Seebpore" by Government Order No. 395, dated the 18th May, 1887, as Seebpore was the nearest Post-office. The spelling 'Seebpore' gradually underwent a change for the better and a more rational one, namely 'Sibpur.'

* To be awarded on the result of examination in L.C.E., B.C.E. & B.E.



OLD COLLEGE BUILDING REAR VIEW



1887-1921 : CIVIL ENGINEERING COLLEGE, SIBPUR.

THE College was now well on its way to progress and development. In 1887, a Committee was appointed by the Government of Bengal for suggesting alteration in the course of Studies pursued and the method of instruction that might be adopted at the Engineering College. The members of the Committee expressed divergent views on the subject, but some of its recommendations, aimed at improving the course of instruction, were kept in view. One of the recommendations was in favour of opening an Agricultural Department, though some members of the Committee were of the view that the practical training should be given in the form of apprenticeship in Railways and other Industrial Workshops and not in a Training Workshop of the type attached to the College at that time. Government did not, however, accept this view on the ground that for the promotion of technical education it was desirable to associate theoretical with practical training in the College itself. The Government of India also gave a similar opinion saying that "the Governor-General in Council attaches great importance to the maintenance and expansion of the College as a School of practical as well as of theoretical instruction, likely in time to develop into an institution for technical instruction in its highest sense."

With the opening of the College at Sibpur in 1880, a resident Medical Officer was posted for looking after the health of the students. The Civil Surgeon of Howrah was subsequently appointed the Visiting Medical Officer. But there was no hospital arrangement and the practice was to send the seriously ill patients either to their homes or elsewhere for treatment. It was only in May, 1889, that arrangement for a hospital was made for the first time. To start with, the Central Block of the Indian Students' Quarters (Downing House) was temporarily converted into a Hospital and a special grant of Rs. 127/- was sanctioned for furnishing it. A monthly grant of Rs. 40/- for employment of menial servants as shown below was also sanctioned :

1 Cook	...	Rs. 9/- per mensem
1 Hospital Coolie	...	Rs. 7/- per mensem
1 Bhistee	...	Rs. 8/- per mensem
2 Sweepers	...	Rs. 16/- per mensem
Total	...	Rs. 40/-

Sanction to build a Hospital was given in 1892, and the new Hospital was opened in February, 1893.

From the year 1889, the College became a wholly residential Institution. Savings out of money paid by the students to the College Mess Fund used to be credited to the Treasury and were not utilised for their benefit. For the first time in March, 1891, it was decided that such savings accruing in any year should be utilised for the benefit of the students.

An important decision aimed at promoting the study of engineering as a career was taken in September, 1891, and all appointments in the Upper Sub-ordinate Grade of the Public Works Department of the Government of Bengal were reserved for being filled up by the graduates of the College. This step definitely helped in attracting Indian youths to engineering.

Mr. Downing, Principal of the College, died in 1891. He was associated with the College for 22 years and his death was a severe blow to the Institution. Mr. J. S. Slater became the Principal in his place.



J. S. SLATER, PRINCIPAL, 1892-1898

Sibpur Workshops, as has been mentioned earlier, were under the control of the Public Works Department and run, more or less, on a commercial basis. The College could not, therefore, utilise the Workshops solely for instructive purposes. To remove this lacuna in the method of instruction, the authorities of the College had, for some time past, been trying for their transfer from the Public Works Department to the Education Department. With a moderate outlay, it was thought, these shops could be utilised solely for the benefit of the students. The Lieutenant-Governor himself paid a visit to the College on the 13th January, 1893, to discuss on the spot the desirability of sanctioning certain proposals for the improvement of the College. In regard to the question of transfer of the

THE OLD COLLEGE BUILDING



A. MACDONELL, PRINCIPAL 1899-1900, 1905

Workshops, the Governor particularly invited the opinion of Mr. F. J. E. Spring, Engineer-in-Chief of the East Coast Railway and a member of the Board of Visitors. Mr. Spring submitted a memorandum on the subject. An extract from this memorandum, dated the 14th January, 1893 is reproduced below :—

> "2. It must ever be borne in mind that the problem with which we are dealing, when treating of Sibpur College matters, is not one which solely concerns the well-being of the College itself, but that it is a problem which is intimately bound up with the entire technical educational pyramid of which, in Bengal, Sibpur is, or rather ought to be, the top stone. If I am correctly informed, there are at present some seventeen industrial schools, scattered throughout the Province, and if these schools are to do any real and lasting practical good, instead of becoming what I hear designated as toy shops, it is essential that they should all work in intimate connection with, and in carefully designed subordination to, Sibpur. In a well-designed scheme of subordination, it must be provided that the advanced pupils of all these schools shall come up to Sibpur for the completion of their educational course, bringing with them, if possible, scholarships from the lower school, and finally being launched upon the world with the Sibpur certificate as sufficient equipment. Very large and important issues are involved in the careful and judicious maturing of such a scheme, and one of these is the partial solution of the extremely difficult Eurasian problem. The successful solution of such a problem as this is, I claim, well worth the sacrifice which I suggest that the Bengal Public Works Department should make—the giving up of their Sibpur Workshop, for purely educational purposes, into the hands of the Education Department."

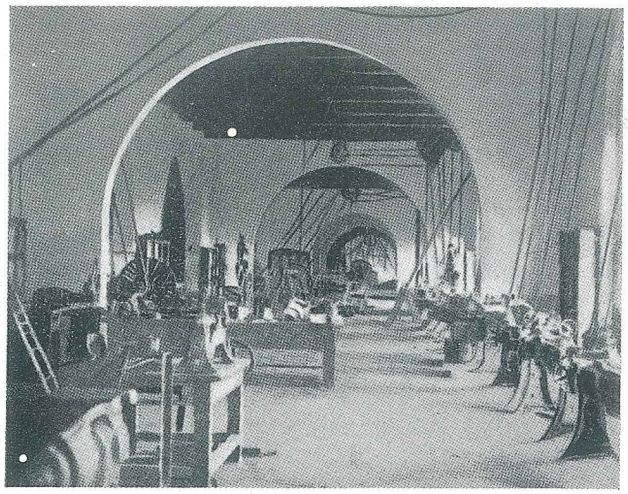
In May, 1894, Government sanctioned the transfer of a part of the Workshops to the Education Department and placed a sum of Rs. 50,000/- at the disposal of the Principal to erect new shops for the College. The Workshops were finally transferred to the Education Department in April, 1897.

The training of Artisan apprentices was introduced in terms of Government Order No. 113 T-G, dated the 14th September, 1894. The background to this is rather interesting. In July, 1893, Principal received a letter from one Mr. Walter Saise, Manager of the E. I. Railway Engineering Department, Giridih, asking for facilities for training some of his boys at the College Shops for turning them out as Assistant Engine-Wrights for locomotives, winding engines, heavy pumping plants, etc. This set the ball in motion, and eventually an Artisan class was opened.

The proposal for a complete electric lighting installation was initiated in 1895. Dr. P. Bruhl, Professor of Physics, prepared an estimate for an installation for the purpose of lighting the college dormitories, classrooms, etc., and also to serve as a means of practical instruction to the students in electrical engineering. Tenders were invited and two tenders—one from Messrs. Martin & Co. for Rs. 56,262/- and the other from Messrs. Kilburn & Co. for Rs. 52,000/- to Rs. 55,000/-, according as gas or oil engine is used, were received. The proposal was approved, and Rs. 80,000/- including

P. BRUHL, PROFESSOR OF PHYSICS 1895





P.W.D. WORKSHOP, CONVERTED TO COLLEGE WORKSHOP

the cost of the distributing system was sanctioned in January, 1896. The installation was completed the following year.

Following up the recommendation of the Committee appointed in 1887 for establishment of an Agricultural Department in the College, Dr. J. A. Voelcker, who was deputed by the Secretary of State for India to advise on the application of Agricultural Chemistry in order to effect improvements in Indian agriculture, opined in favour of teaching agriculture as one of the subjects at the existing colleges and Universities instead of opening special agricultural colleges. His recommendations were considered at an Agricultural Conference held at Simla in 1893 and were duly endorsed. Accordingly, the Government of Bengal decided to open an Agricultural Department, consisting of Higher and Lower Classes, at Sibpur. An initial grant of Rs. 7,000/- and a recurring grant of Rs. 10,000/- per year were sanctioned in March, 1898. Mr. Nitya Gopal Mukherjee, a graduate of Cirencester and Assistant Director of Agriculture, was appointed Agricultural Lecturer. The classes were opened in June, 1898. When the Government of India decided in 1904 to establish the Imperial Agricultural Institution at Pusa, the Provincial Government resolved to transfer the Agricultural classes to that Institute. These classes at Sibpur were finally discontinued in 1908.

As a measure of developing the Workshops, the Principal sent up a proposal for the introduction of Electric-power Drive into the Shops at an estimated cost of Rs.70,000/-. The substitution of the old Steam-power drive by modern Electric Drive was also necessary from the point of view of training, as the major shops of those days, *viz*, (I) The Calcutta Tramways Company, (II) The Cauvery Falls in Madras, (III) The E. I. R. Workshops at Jamalpur, (IV) The new E. I. R. Shops at Lillooah and (v) The new B. N. R. Shops at Khargpur had already decided to instal electric drives. The proposal was accepted and the amount was sanctioned in September, 1902. The new Electric-power Plant was inaugurated in March, 1904, by Sir Andrew Fraser, the then Lieutenant-Governor of Bengal.

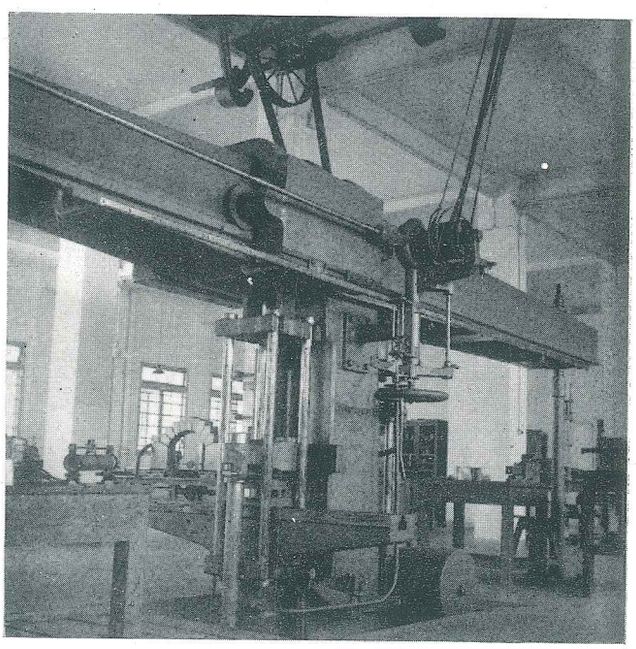
Practical training of graduates of the College was widened in 1902 and arrangements were made for such training in the Railway Workshops of the East Indian Railway, the Eastern Bengal Railway, the Bengal Nagpur Railway as well as of the Port Commissioners. A 100-ton Testing Machine was erected during that year.

The residential accommodation of students in the various barracks and thatched bungalows was limited. The opening of the Agricultural Department in 1898 caused considerable congestion in the Engineer Barrack. As 27 seats had to be reserved for that Department, 5 students were placed in a room designed to accommodate 4 only. In January, 1902, the number of students in various Departments increased to 322, as shown below:

Engineer Department	91
Agricultural Department	16
Apprentice	215

Besides, as many as 188 applications were received for admission in the previous year, and though the sanctioned admission per year was then fixed at 135, new admission had to be restricted for want of barrack accommodation and only 122 students were taken in the College. To provide further residential accommodation sanction to the construction of one two-storeyed block for the Hindu students and another single-storeyed block for

100 TON BUCKTON TESTING MACHINE
FIRST OF ITS KIND IN ASIA



the Muslim students at an estimated cost of Rs.50,227/- was accorded in June, 1902. These barracks were constructed subsequently and are now known as the "Slater House" and the "Baby Slater House" respectively.

The first attempt to start a magazine was made in 1903. A monthly magazine in vernacular under the title of "Shibpur College Patrika" was published in the same year. A grant of Rs.100/- was Received from Government for this publication. This venture unfortunately did not last long and with the departure of the editors from the College, the publication was discontinued the following year.

The principle of utilising the savings out of the Mess Fund for the benefit of the contributors was recognised as early as in 1891. Rules for the "Special Mess Fund" were framed for the first time in 1904, and were finally approved by Government Letter No. 2578 dated the 30th July, 1904. These rules are quoted below.:

"Rules for Special Mess, Civil Engineering College European and Native Messes.

Mess Entrance Fee : On joining the mess every European and Native student will pay a mess entrance fee not exceeding Rs. 5/-, which will not be refunded.

Amount : The amount of this Entrance Fee will be fixed from time to time by the Board of Visitors.

Remittance to Treasury : The fees thus realised will, under the ordinary Account Rules, be deposited in the Treasury to the credit of Government in the Education Department.

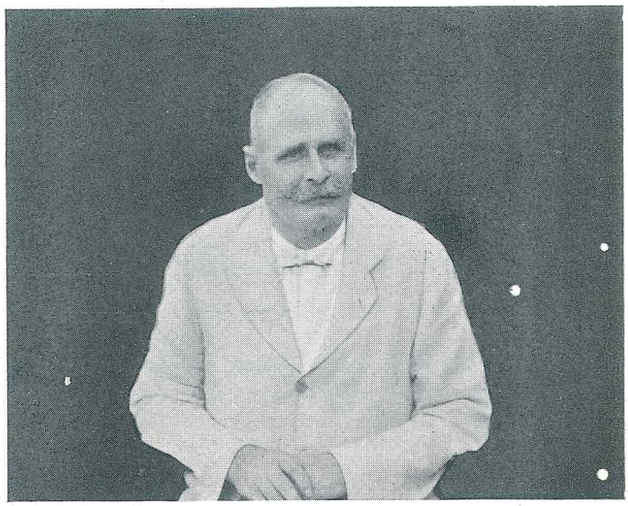
Budget Provision : An estimate of these fees, based on the average of the admissions into the messes in the preceding three years will be included on the receipt side of the Annual Budget of the College, while an equivalent amount will be provided on the expenditure side for renewal of utensils, linen, crockery, and for general improvements to the messes, including "the Students' Institute" and the "Athletic Club" of the College.

Expenditure : Expenditure on these accounts will be drawn on bills in the usual way.

Requirements in excess of Provision : If in any year, a larger amount than that included in the College Budget be required for expenditure on the purposes stated above, application may be made in proper time for the necessary sanction."

Rules for the administration of the Civil Engineering College "Special Compound Fund" were also approved at the same time.

On the recommendation of a Committee set up by Government in 1903 to consider the question of providing facilities for the training of qualified Managers and Assis-



B. HEATON, PRINCIPAL, 1904-1921

tant Managers for the Mines in India, which was later supported by another Committee consisting of the Director-General of the Geological Survey of India, the Chief-Inspector of Mines, a representative of the Indian Mining Association and the Principal of the College as Secretary, a Mining Department for the College was sanctioned in 1905. Another Committee under the Chairmanship of the Commissioner of the Burdwan Division was appointed for the purpose of finalising the curriculum of mining instruction with particular reference to the practical training of the students. The Mining Classes were opened in February, 1906, with Mr. E. H. Roberton as Professor-in-Charge of the Mining Department.

Mr. Slater who had been officiating as D. P. I. retired in June, 1905, and Mr. B. Heaton who had been officiating since 1904 became the permanent Principal of the College.

The Regulations of the Calcutta University were further revised during the year 1905-06. The First Examination in Engineering was changed to "Intermediate Examination in Engineering" (I.E.) at a meeting of the Faculty of Engineering held on the 16th March, 1906. "Licence in Engineering" (L.E.) was abolished at the same time. At another meeting held on the 30th March, 1906, the Degree of Doctor in Engineering was adopted and substituted for that of the Master of Engineering.

When the College was about safely ensconced at Sibpur and was developing into an institution of high standard, it was suddenly decided to shift it to a heal-

thier site on the ground of unhealthiness of the place. It is true the health of Sibpur in those days had not been quite satisfactory, but the basic causes resulting in unhealthiness of the area were removable, as with proper development in sanitation, the place would certainly improve, situated as it was on the bank of the river Hooghly. The first official declaration on the contemplated removal was made by no less a person than the then Lieutenant-Governor himself as the following extract from his speech delivered on the occasion of his visit to the College in March, 1904, will show."

"There is one point in connection with the College to which I must refer, with very considerable feeling of regret. It seems to be practically established that the site of this College is not a healthy one, and it seems to be necessary to face the question of removing the College to a healthier site. Proof of the necessity for such a measure has been laid before me, and I am of opinion that action must be taken at once in the direction indicated. It will be necessary in choosing another site, to have regard not only to the matter of climate and healthy situation, but also to the possibility of securing the same facilities for practical work that exist here, and as far as possible the same touch with the Public Works Department and with the industrial and commercial community as is secured here. The site of the College ought to realise a very good price; and there ought to be no difficulty in providing and equipping a thoroughly good College, provided that care is taken in the selection of the site."

Of the various alternative sites, such as Ranchi, Hazaribag, Dehri, Madhupur and Khargpur, mentioned in this connection, Ranchi was considerd to be the best and was selected to be the new site for the College. The estimated cost of 150 acres of lands and buildings including equipments was worked out at Rupees Fourteen lakhs. Mr. Heaton, the Principal of the College and one of the sponsors of the 'removal scheme', left for Europe and America to study the plans and equipments of various technical institutions in those countries. Negotiations started for disposal of the land and buildings at Sibpur, and the Commissioners for the Port of Calcutta made an offer of Rs.11,97,500/- for the property as per calculation shown below, but said that they had no immediate scheme for use of the land:

	Bighas	Rate per Bigha Rs.	Amount Rs.
Reclaimed land	55	5,000	2,75,000
Other high lands	220	3,000	6,60,000
Low lands	75	1,500	1,12,500
	350		10,47,500
Buildings ...		... ...	1,50,000
		Total ...	11,97,500

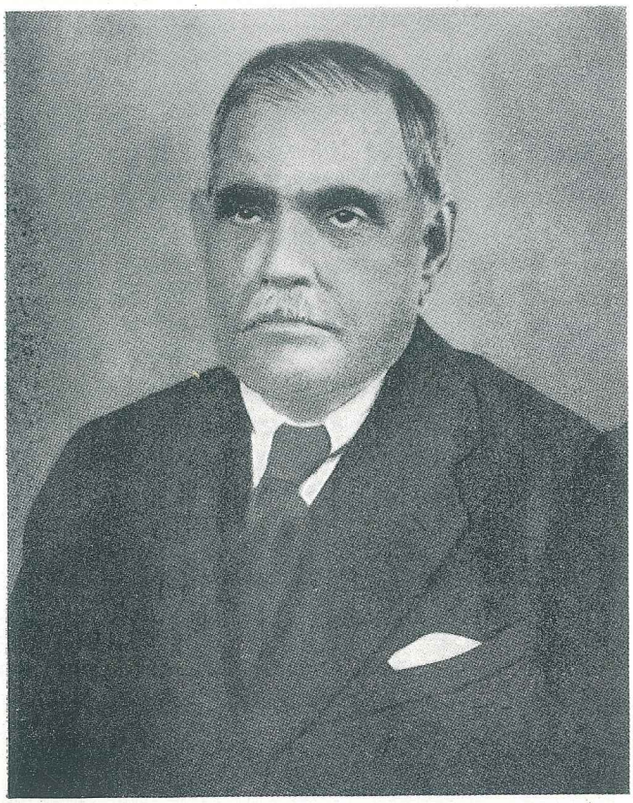
This Scheme was then referred to the Government of India for sanction. While the Government of India agreed to the proposal for removal of the College to Ranchi on account of the bad health of Sibpur, they did not, however, agree to the disposal of the land since the Port Commissioners did not require it for any immediate use. This upset the programme of removal as the Government of Bengal did not like to launch upon the Scheme before finalising the transfer of the property at Sibpur. The College was thus saved from immediate removal to Ranchi. The Society for the Propagation of Gospel, the original owner of the premises, also raised an objection to the effect that, according to the terms of the agreement between the Society and the Government, the latter had undertaken the responsibility of maintaining for ever the Chapel and the Cemetery attached to the College. If the property was going to be transferred to another party, then Government should, in compliance with the spirit of that agreement, build in the vicinity of the new College site at Ranchi a Chapel for the services of the Church of England only. In addition, the Society claimed payment of a sum of £500 for loss of use of the Chapel and abandonment of the Cemetery at Sibpur. Again, a disagreement between the Government and the Port Commissioners soon developed over the area of land and its valuation. This led to a stalemate, and nothing materialised during the next few years. By 1911-12, the health of Sibpur improved appreciably as a result of opening up of jungles and execution of a big drainage Scheme by the Bengal Nagpur Railway. Some of the original sponsors of the scheme including Mr. Heaton changed their mind and started advocating for the retention of the College at its present site. Eventually, Dr. C. A. Bentley, the Sanitary Commissioner, was asked to report on the state of health of Sibpur area. After a detailed survey, the Sanitary Commissioner declared in April, 1918, that Sibpur was in no way less healthier than any location in the northern, southern or eastern suburbs of Calcutta and that its health would improve further if the following defects were rectified:

(I) Lack of adequate supply of pure water, especially for drinking purposes;

(II) Absence of a proper water carriage system of sewage disposal ; and

(III) Presence of the municipal trenching ground in the neighbourhood.

Accepting the findings of the Sanitary Commissioner, Government revoked in July, 1918, their earlier Order and decided to retain the Civil Engineering College at its present site. This ended the long period of uncertainty lasting for over 14 years resulting in suspension of all development Projects.



RAI BAHADUR GIRISH CHANDRA DAS

During this period of uncertainty as to the future of the College some minor projects were, however, taken up. In December, 1906, Government sanctioned a proposal to open a Motor Mechanics Class, which was actually started in June, 1907. This class was, however, abolished from July, 1910. Sanction was also received in October, 1908, to start a Telegraph Training Class for the training of selected telegraphists, and the class was opened the following year. In 1910, a Dyeing class with 10 students was opened under Professor R. N. Sen. After being in existence for six years, this class was abolished in August, 1916. The Scheme for providing practical instruction in Surveying for Pleaders was sanctioned in 1910, and a Central Board with a Judge of the High Court as President and the Principal as Secretary was formed.

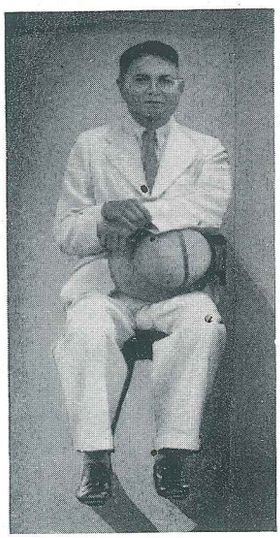
In May, 1908, a Board of Management, consisting of the Commissioner of the Burdwan Division, the Principal and the Senior Professor was, appointed merely to comply with Chapter XIX of the University Regulation. As this was not sufficient compliance with the regulation, Government decided in August, 1909 to form a Governing Body for the College. The powers and functions of the Governing Body were also laid down. The first Governing Body was constituted in February, 1910, with the Member, Board of Revenue as Ex-officio President for supervision and management of the College.

The Joint Technical Examination Board with the Chief Engineer, Government of Bengal, as Chairman and the Principal of the College as Secretary was constituted in March, 1908, for the control of Sub-Overseer and Overseer Examinations. The first examination under this Board was held in March, 1909. In January, 1914, Government sactioned the introduction of a three years' Overseer Course in the Mechanical and Electrical Engineering Branch of the College.

Messing arrengements were not quite satisfactory and, though the number of students increased, the arrangements remained more or less as before. There was clamour for improving the system of messing but no proper arrangement could be made for a long time. Eventually there was a 'hunger-strike' in February, 1916. After this unhappy episode some improvement was effected in the system. The Principal in a note made the following remark:

"Amongst our needs is a hostel where we can admit the sons of the richer Indians who have adopted European habits of living. As regards the class of students now attending the College, we must reform their messing and barrack arrangements. We must have a separate mess for the Engineers. At present all students, whatever be their social position, their differing diets and habits mess together in a mess run on the cheapest possible lines solely in the interest of the very poorest. Here our future masters of engineering mess with the future subordinates; they would far rather have seperate arrangements, and such must be provided if we desire our future officers to mix in after life on reasonably social easy terms with their equals who have been educated elsewhere under more favourable conditions."

Hospital arrangements were also not satisfactory, and the Civil Surgeon, Howrah,who was the visiting Medical



RAI BAHADUR ANUKUL CHANDRA MITRA

Officer, felt that the hospital needed immediate improvement. For a residential college, hospital arrangements should be quite different from that for any other institution where only day-scholars attend. According to the Civil Surgeon whose view was shared by the then Principal, a sanitorium wasw anted rather than a hospital with trained Nursing Staff attached to it. The hospital constructed in 1897 did not meet the requirements of the situation as obtained in 1917-18. Serious cases had to be sent away from Sibpur. Indian students were sent to Howrah General Hospital and Anglo-Indian students to the Presidency or Medical College Hospital for free treatment. Attempts were, therefore, made to improve the standard of the hospital.

The Indian Industrial Commission and the Publ Works Commission visited the College during 1916-17. The Calcutta University Commission visited it in the following year.

In April, 1918, Government sanctioned the introduction, as an experimental measure for three years, of a three years' Overseer Course in the Civil Engineering Branch of the College. The Sub-overseer classes were abolished in July, 1918.

The Sanitary Commissioner in his report dated the 29th October, 1914 (referred to earlier) recommended an increased water-supply and substitution of the water-carriage system for the existing hand-removal system of conservancy. When on the basis of the Sanitary Commissioner's report the 'Ranchi Removal Scheme' was abandoned, Sir Nilratan Sarkar took up the question of development of the College. His efforts yielded result, and Government readily agreed to carry out projects for development of the College. In Government Letter No. 1508, dated the 27th January, 1919. sanction was given to (*i*) the Water-supply Scheme and (*ii*) the Sewerage Scheme at an estimated cost of Rs. 74,549/- and Rs. 1,30,929/- respectively. The new Water-supply system was practically completed by March, 1920.

The Rules of the College were revised and approved by Government in their Order No. 367, dated the 16th February, 1920. The revised rules provided (*i*) for the classification of students as Regular, Special and Occasional students, and (*ii*) for the admission of students, who have passed B.Sc. direct to the Second Year Class of the Engineering Department under certain conditions.



RAI BAHADUR AMAR NATH DAS

The nomenclature of the College was changed by Government Notification No. 353-Edn., dated the 12th February, 1920, to the "Bengal Engineering College, Sibpur." As the Botanic Gardens Post Office was then the nearest Post Office, the new nomenclature caused postal delays. Consequently, in Government Order No. 713-Edn, dated the 24th March, 1921, the word 'Sibpur' was deleted and the College was redesignated as the *Bengal Engineering College.*

During this period many students passed out of the College and distinguished themselves in their profession as Engineers as well as in other spheres of life. To name a few who passed out in late nineties and made their mark, mention may made of Girish Chandra Das who passed B.E. in 1891 became the Chief Engineer of the Light Railways under Messrs. Martin & Co. He was also the Engineer-in-Charge of construction of the High Court at Calcutta. Amar Nath Das passed B.E. in 1895 and joined the Indian Service of Engineers He rose to the position of Chief Engineer of Bengal. A. C. Mitra, who passed out in 1900, was the Engineer-in-charge of construction of Victoria Memorial Hall of Calcutta. Rai Bahadur Annada Prosad Sarkar, who passed out in 1883, rose to the position of the first Indian Chief Engineer (Irrigation), Government of Bengal.



THE CLOCK TOWER AND RESERVE TANK

1921-1945 : BENGAL ENGINEERING COLLEGE.

THE Bengal Engineering College, popularly known as the B. E. College, was now firmly established and destined to play its part in producing the designers, builders and architects of modern India. Despite the prolonged uncertainty arising out of the 'Ranchi Removal Scheme', reference to which has been made in the previous section and, on account of which all major development projects had to be suspended for a long time, the College did not suffer either in its popularity or in effecting such improvements as were possible under the prevailing circumstances. The tempo of progressive developments was not only maintained but raised to a sufficiently high pitch so as to transform this institution into the leading Engineering College of the country.

The first reform undertaken during the period was to re-organise the various Departments of the College, which was suggested earlier by the 'Mookerjee Committee'. This Committee under the Chairmanship of Sir Rajendra Nath Mookerjee, a most distinguished ex-student of this College, was formed in February, 1919, to co-ordinate the Apprenticeship Training Scheme of the Eastern Bengal Railway Workshops at Kanchrapara with the Mechanical Engineering Classes of this College. The Committee recommended that the lower classes in the Mechanical Engineering Department of the college should be given up and instead a Technical School at Kanchrapara should be established. This College should be utilised for the final training of the mechanical engineers, after they had completed the full course of apprenticeship at Kanchrapara or other large Workshops in Bengal. In accordance with these recommendations the Board of Control for Apprenticeship Training was created in 1921. By Government Order No. 2448-Edn., dated the 29th November, 1921, the various Departments of the College were reorganised as shewn below :

1. Civil Engineer Classes ... formerly Engineer Deptt.
2. Mechanical and Electrical Engineering Classes. } formerly Apprentice
3. Mining Classes } Deptt.

The Upper Subordinate Classes were abolished after 42 years' of existence during which period many eminent persons came out of this branch and carried out theirt onerous tasks with credit under the Public Works Department as well as in other spheres. The last link of the College with the Public Works Department was severed, and no more students were sent up for the examinations under the Joint Technical Board after July, 1922. The control of the examinations in the improved Mechanical and Electrical Engineering courses was transferred to the newly-created Board of Control for Apprenticeship Training with effect from March, 1922. The improved courses received Government sanction on the 5th July, 1922. After this reform the College was concerned solely with the training of persons to occupy higher position in the engineering industries and establishments of the country. The Bengal Engineering College is the first Engineering College in India to attain this higher status.

Mr. Heaton retired as Principal in 1921 after 31 years' association with the College. Mr. T. H. Richardson took over from him as the next Principal.

During the period 1921 to 1925, several projects for expansion and improvement of the College were implemented. Besides some residential quarters, the new Assembly and Examination Hall was built in 1920 at the site occupied by the old Gymnasium at a cost of over Rs. 22,344/-. The Electro-Technical Laboratory was extended at a cost of Rs. 7,027/-. A portion of the

'Jheel' to the north and east of the playing fields was reclaimed at a cost of Rs. 35,920/-. Labour quarters were built at a cost of Rs. 15,544/-. Additional cook-rooms were also built at a cost of Rs. 4,691/-. Sanitary and water-supply fittings were provided in residential quarters at a cost of Rs. 37,345/-. A new Barrack for Anglo-Indian students was constructed at a cost of Rs. 1,75,144/- and opened in the beginning of 1925. This Barrack was named 'Heaton House'. The Water-works which cost a total of Rs. 1,63,750/- was completed in 1924, and the new Turret Clock presented by Sir Rajendra Nath Mookerjee in 1921, was installed in its tower. The Sewerage Scheme was completed in the same year. New Barrack latrines were also built. The Activated Sludge Plant, which is the first of its kind in India, was completed in 1925, and the new barrack latrines were brought into use under the guidance of one of our illustrious students, Sri S. K. Chakravarti. The Power House and the Electrical Engineering Department were considerably improved by the addition of new Boilers, Alternators, Converters, Switch-Boards, etc. The underground cable was completely replaced by overhead wiring. A new Storage Battery of 60 cells (of 487 amp-hrs. capacity) was installed in January, 1924. A small Pelton Wheel and Water Turbine were added to the Mechanical Engineering Department, and a Brinell Hardness Tester to the Strength of Materials Laboratory in 1925.

In pursuance to the policy recommended by the Industrial Commission which visited the College during 1916-17, the Mechanical and Electrical Engineering Classes were being developed independently of the Calcutta University and it was intended that the University would in due course recognise these courses for the purpose of awarding a Degree in Mechanical and Electrical Engineering. The Board of Control for Apprenticeship Training was entrusted soon after its creation with the control of these courses in the College. A Diploma course of 3 years' duration was introduced, and the first Diploma Examination was held in 1923. The Board in the meantime had been considering a Scheme of 4 years' duration for the grant of an Associateship in Mechanical Engineering as well as in Electrical Engineering on the lines similar to Associateships granted at the City and Guilds Institute, London. The ultimate object was to raise the standard eventually to the Degree standard under the University. An Associateship course in Mechanical Engineering was introduced and received the sanction of Government on the 5th July, 1922. The first Associateship Examination in Mechanical Engineering was held in March, 1924, and out of four students that appeared three came out successful.

The guaranteed appointment in the Indian Service of Engineers, which was in vogue ever since 1884, was abolished, and all classes subsequent to those admitted in 1924 could no longer expect to avail of it. Henceforward, recruitment to I.S.E. till its abolition was done on the basis of competitive examinations.



T. H. RICHARDSON, PRINCIPAL, 1922-1932

During 1925-26 three newly created posts, namely, Professor of Physics, Foreman in Electrical Engineering, and Demonstrator in the Mechanical Engineering were filled up. The Telegraph Training Classes introduced in 1909 were discontinued from November, 1925. As the Indian School of Mines at Dhanbad constructed by one of the ex students of the College, Anath Bandhu Bhattacharyya under M/s Martin & Co., was opened in November, 1926, admission of new students into the mining Classes was stopped, and these classes were finally closed in March, 1929. To utilise the space vacated by the Mining Department, it was proposed that a course of instruction in Advanced Metallurgy for those who have qualified in Mining at Dhanbad or have taken an Honours Degree in Chemistry, might be introduced after closure of the Mining Classes. The proposal did not however mature. The Revised Rules for the award of College scholarships were given effect to during the year 1927-28.



SIR R. N. MOOKERJEE, K.C.I.E., K.C.V.O., WHO WAS RESPONSIBLE FOR A GOOD DEAL OF IMPROVEMENT OF THIS COLLEGE DURING THIS PERIOD.

The Chief Engineer of the Public Works Department, who was also the Secretary of that Department, was relieved of his secretarial functions in June, 1928, and from July of the same year, he was appointed ex-officio Vice-President of the Governing Body. Mr. Richardson, Principal of the college, retired on the 16th November, 1928, and Mr. A. Macdonald became the Principal.

Further development project was undertaken and the 220-Volt Overhead A.C. lines were completely replaced by underground cables during 1929-30 by the renowned Electrical Engineering Firm Messrs. Henley Cable & Telegraph Company.

Teaching of Geology which was included in the syllabus of studies for B.E. offered a problem after the abolition of the Mining Classes from the 1st April, 1929. The staff of the Mining Department used to provide four lectures per week in Geology for the Civil Engineering students. Their services were no longer available. At the instance of the Governing Body, a part-time post of Lecturer in Geology was created and Mr. E. L. G. Clegg, Assistant Superintendent, Geological Survey of India, was appointed to the post. He was allotted the 'Bachelor's Quarters' for his residence. A temporary post of Assistant Professor of Electrical Engineering was created in 1930-31. In the same year, the Principal relinquished the Secretaryship of the Board of Apprenticeship Training in favour of the Principal of the Calcutta Training School.

Mention has been made earlier of the Diploma course in Mechanical and Electrical Engineering and Associateship course in Mechanical Engineering. The Associateship Examination was accepted by the Institution of Engineers, (India,) as of good graduate standing and as such exempted from Parts A and B of the examination for Associate Membership of that Institution. Meanwhile, the Engineering Colleges at Patna, Benaras, Madras, Poona and Mysore had introduced the Degree course in Mechanical Engineering. Consequently, it was felt that the time was ripe for introducing the Degree course in Mechanical Engineering in this college too. The University affiliation in the B.E. degree in all the branches of Engineering, namely, Civil, Mechanical, Electrical and Mining was granted as early as on the 25th November, 1911. As the College had already been affiliated to the Calcutta University in Mechanical Engineering up to the B.E. standard and was in a position to present students for the Degree Examination, preparations were made to introduce the course. Sanction of Government was received in Order No. 3025-Edn., dated the 18th July, 1930, and Mr. A. Watson became the Professor of the Mechanical Engineering Department. Mr. J. Riffkin was appointed to this post after Mr. Watson. The



C. V. MILLER, PRINCIPAL, 1938 AND 1943-1945

first batch of students appeared at the Degree Examination in Mechanical Engineering in July. 1932.

Another proposal to introduce a Special Course of Marine Engineering at the Bengal Engineering College was mooted sometime in 1930. The proposal came from the Government of India who were keen to provide this special course of instruction with the resources available in the College. Mr. Riffkin examined the possibilities and in his report, dated the 21st March, 1931, recommended the introduction of a special course of Marine Engineering for students who had done satisfactory sea service for a period prior to joining the College. It was stated that apart from the services of a part-time Lecturer in Marine Engineering, who could be appointed from amongst the Marine Engineers in Calcutta, no other staff was necessary. The extra cost involved was estimated at Rs. 3,000/- a year only. The scheme did not, however, mature.

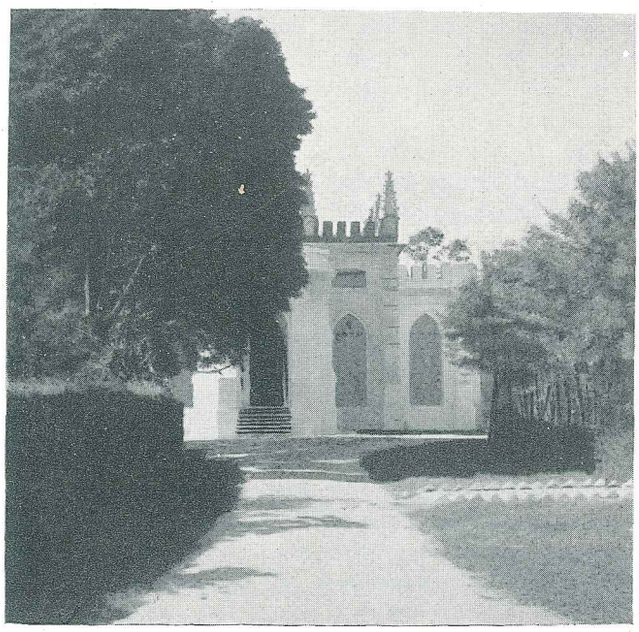
The system of paying allowances to the Monitors in the College, which was first introduced in the year 1881-82, was re-examined at the instance of the Finance Department of the Government in 1931-32. At that time the number of Monitors was 11, and each was paid an allowance of Rs. 5/- a month. This rate was sanctioned by the D.P.I. and had been in force since January, 1921. Prior to that the rate was Rs. 4/-a month. As no such system existed in any other Government College, a suggestion was made for its withdrawal as it was held to be 'a differential treatment in a particular institution'. An extract from the reply of the Principal (Mr. Macdonald) in support of its continuance is quoted below :

> "The conditions which hold at this College are unique and are not to be found in any other Collegiate Institution in Bengal. This is an entirely residential College and certain instructions have been laid down in the Standing Orders which place very considerable responsibility on the Monitors. In other Government Colleges in Calcutta and the Mofussil, the students resident in the college hostel are free to spend the non-working hours of the day more or less wherever they wish in the town or in the surrounding of the institution. The students, however, in this institution may not pass beyond certain bounds within $\frac{1}{4}$ mile of the College without special leave and the Monitors have to see that this restriction is reasonably observed."

The Monitor's allowances were sanctioned and the system continued.

Due to tight Budgetary provision, as many as 7 posts including 3 posts of Visiting Lecturers were abolished during the year 1932-33. A project for extension of accommodation in the Mechanical and Electrical Engineering Laboratories was however carried out in the same year. On the death of Mr. J. D. Choudhuri, Professor of Electrical Engineering, Mr. M. Sengupta

OLD LIBRARY BUILDING





DR. A. H. PANDYA, FIRST INDIAN PERMANENT PRINCIPAL

was appointed to the post in the following year. Dr. S. R. Sengupta was appointed as Lecturer in Civil Engineering in December, 1934. Later on he became the Professor of Mathematics. A fee of Rs. 30/- was charged for Practical Examination from the students with effect from the examination held in November, 1934. The post of Assistant Professor of Civil Engineering which was abolished in 1932-33 was revived in 1934-35 by upgrading the post of Teacher of Surveying, and Mr. P. B. Ghosh, the incumbent of the latter post, was appointed as Assistant Professor.

The Degree course in Electrical Engineering was introduced during the year 1935-36, and the first batch of students appeared at the Degree examination in 1936.

The practice of holding the Annual Survey Camp at one fixed place was changed and it was decided to hold the camp at three different places in successive years, with effect from 1935-36. At the request of the Calcutta High Court arrangements were made from 1936 for the training of Probationary Munsiffs in Practical Surveying for six weeks. In the same year, arrangements were made for the theoretical training for a period of two years of six apprentices selected by the Bengal-Nagpur Railway for appointment as Permanent Way-Inspectors. This arrengement was, however. discontinued in 1945. The Swimming Tank was opened in 1937-38. 'Slater House' and 'Downing House' Hostels were provided with covered bathing places in 1938-39. In May, 1938, 5 posts of Visiting Lecturers in Accountancy, Railways, Irrigation, Waterworks, Drainage and Sewage Disposal, and Workshop Management were created under a new Scheme.

Mr. Macdonald left the College on leave preparatory to retirement in August, 1936, and Mr. R. Wolfenden, Inspector of European Schools, became the Principal with effect from the 2nd November of that year. Mr. Wolfenden proceeded on leave, preparatory to retirement, on the 18th August, 1938, and Mr. C. V. Miller, Professor of Civil Engineering, became the Officiating Principal. Dr. A. H. Pandya, a renowned Engineer of international repute, took over as Principal on the 21st September, 1939. He is the youngest and the first Indian Principal of the College.

The Degree course in Metallurgy was introduced in 1939-40 and commenced on the 6th November, 1939. The post of a Lecturer in Metallurgy was created with the introduction of the course.

During the first World War, the Testing Laboratory of the College was utilised for testing of war materials. During the second World War, a large number of technicians for the Munition Factories, Armed Services and the Technical Wing of the Air Force were trained up in the College Workshops which served as a combined centre under a special technical training scheme. Temporary barracks and class-rooms were built in November, 1940, and training commenced in February, 1941. To make room for the technicians, admission to the first-year class in 1940-41 had to be suspended. Dr. Pandya piloted the scheme in the whole of the Eastern Region. This Scheme was finally wound up in June, 1945. Subsequently, on the 2nd April, 1943, Dr. Pandya left the College on deputation and joined the Directorate-General of Munition Production as Director of Metals and eventually became the Deputy Director-General. Mr. C. V. Miller, Vice-Principal of the College, was appointed to act as Principal in his place.

By a Government Resolution, dated the 2nd December, 1943, a Committee under the Chairmanship of Mr. F. Rahman was constituted to enquire amongst other things the prevailing state of technical and industrial education in Bengal with reference to higher technical education and also to suggest a comprehensive scheme of industrial and technical education so as to serve the progressive needs of the industries and the people of Bengal. The Principal of the College was appointed a member of this Committee. After an elaborate enquiry the Committee submitted a report. In regard to this College, it was pointed out by the Committee that Workshops and Laboratory arrange-



THE PRINCIPAL'S RESIDENCE

ments at the College were inadequate, and if successful training in higher engineering, commensurate with the needs of the Government as well as of the industries was to be achieved, these defects should be removed. The Committee further observed that apart from the Degree courses in Civil, Mechanical, Electrical and Metallurgical Engineering, which were already in existence, arrangements for starting new courses, such as Ship-building, Aeronautics, etc., should also be made, and that this College should impart training in higher engineering only, leaving the Diploma and the Associateship courses to be conducted at the Calcutta Technical School. The recommendations of the Committ eewere followed up, as will be seen in the next section.

After the retirement of Mr. Miller in 1945, Mr. N. N. Sen, Vice-Principal and Professor of Metallurgy and Chemistry, was appointed the Principal of the College with effect from 1st April, 1945.



THE NEW COLLEGE BUILDING

1945-1956 : AN ERA OF PROGRESS.

THE year 1945 is a memorable year and the beginning of an era of rapid development and progress in the history of the College. The end of the devastating war that started in 1939 was in sight, and along with it came the realisation of the magnitude of the task of reconstruction. In an under-developed country like ours, whose economy showed unhealthy signs of inflation and where the political atmosphere became polluted by communal disharmony introduced by the Foreign Rulers, the post-war reconstruction was rendered all the more difficult. The importance of applied Science and Technology and necessary man-power for fulfilment of the task were, however, keenly felt. Meanwhile, industries in the country were expanding and their needs as well as the needs of the Government for higher technical personnel to meet the increasing activities became urgent. This College which was one of the few institutions for producing the higher engineering personnel, had to keep pace with the expanding activities. What was most urgently needed was the development of the College consistent with the demands of the day as well as what might be required in the immediate future. A "Committee for the development of Higher Engineering and Technical Education in Bengal" was accordingly formed by a Government Resolution No.192C Edn. dated the 21st February, 1945, with the following as members:

The Director of Public Instruction, Bengal–*Chairman*;
Dr. A. H. Pandya, Deputy Director-General, Munitions Production Branch, Government of India;
Mr. J. Chambers, Chief Engineer (Works and Build ings), Bengal;
Mr. J. F. Russel, Chief Engineer, Irrigation (West), Communication & Works Deptt;
Mr. W. M. Wright, Deputy Director of Merchant Ship Repairs, Calcutta;
Major A. Meyer, U.S. Armed Forces;
Mr. Fazlur Rahman, M.L.A
Mr. S. P. Sen, Manager, Bengal Chemical and Pharmaceutical Works Ltd;
Mr. Shaukat Omar;
Dr. S. R. Sengupta, Professor, Bengal Engineering College, *Secretary*.

The terms of reference to the Committee were "to consider and make proposal for the development of higher



NEW COLLEGE BUILDING
REAR VIEW

engineering and technical education in Bengal, with special reference to the expansion of facilities now provided by the Bengal Engineering College, Sibpore, and the Asanulla School of Engineering, Dacca." The Committee was particularly asked to submit its report by May, 1945.

At the time of appointment of this Committee in February, 1945, the College had capacity only to take in a maximum of 300 students in all the classes at a time and the strength of the Staff as it stood then is as shown below:

I. Administrative Staff:

Principal

II. Teaching Staff:

Professors	6
Assistant Professors	3
Lecturers	9
Demonstrators ...	3
Visiting Lecturers	5
Draughtsmen ...	2

III. Workshop Staff:

Foreman Instructors	4
Assistant Foreman Instructor ...	1
Mistry Instructors	13
Store-keeper ...	1

IV. Library Staff:

Librarian 1

V. Physical Training:

Physical Training Instructor 1

VI. Medical Staff:

Medical Officer ...	1
Compounder ...	1
Dresser	1

VII. Office Staff:

P.A. to the Principal	1
Head Clerk, Accountant, Clerks, Typist, Cash Sarkar ...	10

There were four major departments, namely, Civil Engineering, Mechanical Engineering, Electrical Engineering and Metallurgy and Chemistry, and two subsidiary departments, namely, Physics and Mathematics. The total annual recurring expenditure was about Rs.3,72,000/- (about Rs.2,07,000/- for Staff, Rs.1,27,000/- under contingencies etc, and Rs.38,000/-under scholarships). The average cost of education per student worked out at Rs.1,000/-.

The Development Committee visited the College on the 17th March and held several sittings before and after that date. Its report was submitted on the 19th May, 1945, and was divided into two parts--one for the 'Immediate Plan' and the other for the 'Five-year Plan'. While submitting its report under the 'Immediate Plan,' the Committee observed that in formulating the proposals under that Plan it confined its recommendations to higher engineering training and the training of supervisory personnel, and that the Plan aimed at increasing the number of qualified engineers and supervisors in the



INTERIOR VIEW OF
THE NEW LIBRARY

more important and immediately necessary branches of engineering, improving their quality and standard and also at providing facilities for advanced instruction and research. No additional building was necessary and consequently no capital expenditure was involved under the 'Immediate Plan.' If this Plan was implemented, the number of students would increase from 300 to 520 and it would result in improved curriculum, better teaching staff, greater range of Degree Courses and closer liaison with industry. In the opinion of the Committee, these improvements were urgently needed in the light of postwar expansion. Government accepted these recommendations contained in the 'Immediate Plan' and communicated their sanction in Letter No.46 Edn. dated the 8th January, 1946. The Calcutta University, after consulting the Faculty of Engineering and the Board of Studies in Engineering, framed new curricula and syllabii and revised the Regulations relating to the Degree Examination in various branches of Engineering. Final sanction of Government to the adoption of the new regulations was received in Government Order No.2653 Edn. dated the 25th. November, 1946.

The 'Immediate Plan' for improvement of the College was given effect to from the academic session 1945-46. An immediate additional recurring grant of Rs.4,65,700/- a year to be increased ultimately to Rs.6,50,000/- for implementation of the Plan was sanctioned. A new Department of Humanities with one Lecturer in Economics and another in English was started during the session. The academic session was changed from November to July in keeping with other Colleges, and the next session commenced in July, 1946. This reform was long overdue and now that it was given effect to, the students were in a position to appear at the Competitive Examinations held by the Public Service Commissions in the same year of their passing out of the College. A new set of Rules for the Admission Test Examination requiring the candidates to be examined in (I) English Composition and General knowledge, (II) Mathematics, (III) Chemistry, (IV) Physics (V) Drawing ,and (VI) Viva-Voce was also introduced from this session, and the first Admission Test under the new Rules was held in May, 1946. The College was so long generating its own electricity. To meet the increased load the electric supply system was re-modelled and supply of energy in bulk at 6,000 V pressure was arranged from the Calcutta Electric Supply Corporation from December, 1946. A new Department of Applied Mechanics with one Professor and one Lecturer and a separate Drawing Department with an Assistant Professor-in-charge of the Department were opened during the next session, 1947-48. For the first time in the history of the College, two girl students were admitted during this session for higher engineering studies. The University Training Corps was re-organised into the National Cadet Corps, and two Senior Divisions of the N.C.C. were formed during the two successive years. The Bengal Engineer-

ing College Alumni Congress was constituted on the 18th. August 1945.

'The Immediate Plan' was fully implemented in 1947-48 i.e., over a period of three years. The sanctioned staff position as it stood at the end of that year is shown in the following statement:

I.	Administrative Staff:	
	Principal	
II.	Teaching Staff:	
	Professors	7
	Assistant Professors	14
	Lecturers	19
	Demonstrators	10
	Visiting Lecturers	12
III.	Workshop Staff:	
	Chief Foreman Instructor ...	1
	Foreman Instructors	9
	Mistry Instructors ...	18
	Store-keeper	1
IV.	Library Staff:	
	Librarian	1
	Assistant Librarians	2
V.	Practical Training:	
	Professor-in-Charge of Training ..	1
	Clerks	2
VI.	Physical Training:	
	Physical Training Instructors ...	3
VII.	Medical Staff:	
	Medical Officer	1
	Compounder	1
	Dresser	1
VIII.	Office Staff:	
	P.A. to the Principal	1
	Head Clerk, Clerks, Typists, etc. ..	10

The actual annual recurring expenditure increased to Rs.5,58,000/-, the number of students rose to 482 and the average cost of educating a student went up to about Rs.1,275/-. The Development Committee estimated an annual expenditure of Rs.7,61,000/– for a student body of 520 and calculated the average cost of educating a student at Rs.1,460/-.

The object of the Five–Year Plan prepared by the Development Committee was the ultimate attainment of converting the Bengal Engineering College into a most modern and well-equipped institution comparable to the best western institutions, with a greater range of degree courses and facilities for the post–graduate and research work. According to the Committee the following results were expected from the cumulative adoption of the 'Immediate Plan' and of the 'Five-Year Plan':

" (a) Training of a student body of 1,200 (i.e., four times the normal student body; over twice as many students as the 'Immediate Plan');

(b) Improved curriculum.

(c) Better teachers and teaching; more personal attention by teachers to students; introduction of tutorial and guided study system.

(d) Greater range of Degree Courses, including architecture, town and regional planning, a number of important special options in the branches of engineering now taught, post-graduate and research work.

(e) Carefully planned and integrated workshop courses, practical and significant work in industrial establishments.

(f) Closer liaison with industry.

(g) Construction of modern buildings for college, workshop, library, hostels, staff quarters such as are indispensable for a modern institution, on an integrated flexible plan to permit further expansion if it is later found that substantially larger number of students are required.

(h) Provision of the most modern equipment and apparatus for testing and research, and its proper maintenance, which are essential for the training of students in modern technology.

(i) Construction, stocking, maintenance at an up-to–date level, and operation of an adequate reference library, a serious lack in the present college not only for its own use but for that of engineers in Bengal generally.

(j) Offering of scholarship on much wider–scale so as to develop the best engineering material available in the State regardless of the accident of family finances."

The capital expenditure required to implement this Plan was estimated at Rs.98,86,000/- and the recurring expenditure at Rs.14,66,900/- per year at the end of the Plan-period. Against this recurring expenditure a credit of about Rs.4,00,000/- was expected on account of fees and workshop receipts. Two new degree courses, namely, Architecture and Town and Regional Planning would be added, and as many as 1,200 students would be trained in the College at a time. The

average cost of educating a student would decrease to Rs.1,220/- The Staff sanctioned by Government under the 'Five Year Plan' is shown below:

I.	Administrative Staff:	
	Principal	
	Registrar	1
II.	Teaching Staff:	
	Professors	7
	Associate Professor	1
	Asstt. Professors ..	11
	Associate Assistant Professors ..	3
	Lecturers	14
	Associate Lecturers	12
	Demonstrators	28
	Visiting Lecturers	12
III.	Workshop Staff:	
	Chief Foreman Instructor ..	1
	Foreman Instructors	6
	Mistry Instructors	33
	Chief Store-keeper	1
	Assistant Store-keeper	2
IV.	Library Staff:	
	Librarian ..	1
	Assistant Librarians	2
	Assistants	4
V.	Practical Training:	
	Professor-in-charge of Training	1
	Assistants to the Professor-in-charge of training	3
	Clerks	2
VI.	Physical Training:	
	Physical Training Instructor ..	6
VII.	Medical Staff:	
	Medical Officer	1
	Compounder	1
	Dresser	1
VIII.	Office Staff:	
	P.A. to the Principal	1
	Head Clerk, Accountant and other Assistants	14

The Committee further suggested that after the College had accomplished the changes, improvements and expansions under the Plans, a review of the progress made, should take place for re-evaluation of the courses and the method of instruction.

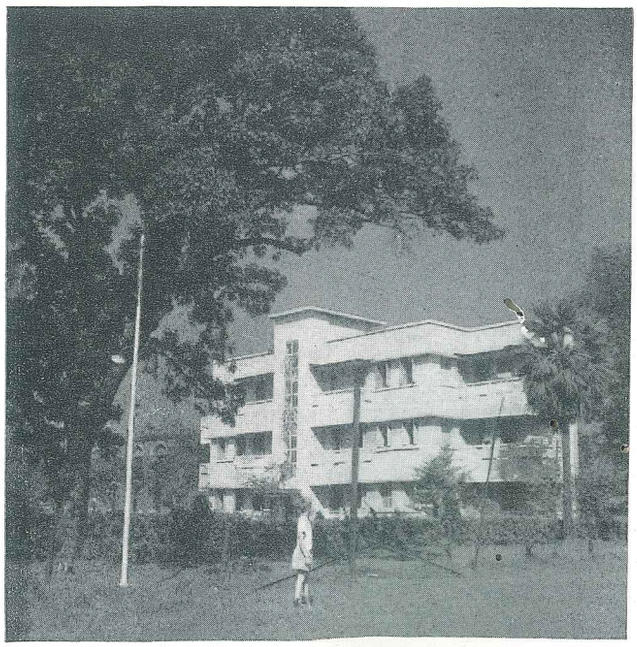
While the 'Immediate Plan' was in process of implementation, the long expected political change took place. The 15th of August, 1947, came and India earned independence. A new democracy was ushered in with new ideas and new hopes to the millions. Development of the country in all spheres, which was neglected so long, was taken up in right earnest in spite of our impoverished economy, a legacy of the past. It was indeed a stupendous task, and the call on the engineers in this nation-building programme of work was naturally great and urgent. The necessity of developing this Institution into one of the very best was more urgently needed than ever before. The National Government took up the thread where it was left by its feterred predecessor and decided to give immediate effect to the Five Year Plan as recommended by the Development Committee.

The 'Five Year Plan' was sanctioned in Government Order No.4234-Edn. dated the 9th November, 1948. To implement the Plan, Government agreed to provide a total sum of Rs.97,00,000/- for capital expenditure under the following heads:

Acquisition of additional land	– Rs 1,20,000
New Buildings	– 70,00,000
Improvement and expansion of the Water Supply and Sewage Plant	– 2,00,000
Furniture	– 3,80,000
Additional equipment and machinery	20,00,000
	Rs. 97 00,000

An annual recurring cost of Rs.15,20,000/- was also provided. Implementation of the Plan began from the 1st of July, 1948. A new Department of Training was

NEW STAFF QUARTERS



created on the 28th May, 1948 to serve as a link between the College and the Government and other Bodies and Industries for arranging practical training for the Graduate Engineers and also to help them in securing suitable employment after the training.

A change in the office of the Principal took place in 1949. Mr. N. N. Sen proceeded on leave, on the 5th January, 1949 preparatory to retirement, and **Dr. S. R. Sengupta** was appointed Principal in his place from the same date.

The construction of building under the plan was started on the 18th December, 1949. Dr. B. C. Roy, the Chief Minister of West Bengal, laid the foundation stone of the Administrative Block on the 5th February, 1950. The Office of the College was shifted to the new building on the 10th June, 1950. Two new Departments were created and two new Degree Courses were introduced from the academic session 1949-50. These Courses are (i) the Degree in Architecture and (ii) the Post-Graduate Diploma in Town and Regional Planning. The former is a five-year course and the latter is a two-year post-graduate Diploma Course for graduates in Civil Engineering and a one year post-graduate Diploma Course for graduate in Architecture.

A Polytechnic with a capacity to take in 350 boys was sanctioned in 1950-51 and was started on the 12th July, 1950 as part of a scheme to rehabilitate displaced youths by giving them training in various trades. The long term object of the scheme was to provide training to the boys on their leaving school. A capital expenditure of Rs. 2,76,000/- for building and equipments was sanctioned for the Polytechnic. An hostel in the form of an Aluminium hut for 40 trainees was built during the year at a cost of Rs.9,800/-.

To provide accommodation for the increased number of students the building programme include the construction of several new Hostels. As many as four new Hostels were built during the period 1951-54. The first Hostel was opened on the 17th August, 1951, by Dr. Tarachand, Secretary to the Government of India, Ministry of Education. This was named after Principal Richardson as the 'Richardson Hall'. The remaining three Hostels were built in 1952, 1953 and 1954 and were opened in July of each year. These were named after the three successive Principals as the 'Macdonald Hall', the 'Wolfenden Hall' and the 'Pandya Hall' respectively. Two funds known as the 'Institute Building and Sports Pavilion Fund' and the 'B.E.College Poor Fund', later re-named as 'Students' Aid Fund', were created in 1951.

A new Post-Graduate certificate course in Navel Architecture was introduced during the year 1952-53. The Calcutta University approved new Regulations for the Degree of Master of Engineering (M.E) in Civil, Mechanical, Electrical and Metallurgical Engineering on the 24th April, 1953.

The popularity of the College spread far and wide and in consequence many distinguished persons took the trouble of paying a visit to the Institution. The first to come was Dr. S. Radhakrishnan. He visited the College with the University Commission as Chairman of that body on the 17th Janury, 1949. Next came Dr. H. C. Mukerjee, the Governor of West Bengal, on the 25th August, 1952. Dr. Rajendra Prasad, the President of India was also pleased to pay a visit on the 25th December, 1952. Dr. Ralph J. Bunche of the the United Nations Organisation visited the College on the 20th January, 1953.

The Five Year Plan period was over in 1953. Though the face of the College was completly changed because of implementation of the various phases of the plan as recommended by the Development Committee, the building programme, however, could not be fully executed within the sanctioned allotment due to rising prices as also on account of urgent demands on materials and resources in connection with the 'First Five-Year Plan' of India. The cost of construction had gone up nearly three times since the beginning of the plan period, and it was estimated that the total capital expenditure for full implementation would amount to about Rs. 180 lakhs, namely, Rs. 1.2 lakhs on lands, Rs. 120 lakhs on buildings, Rs. 5 lakhs on water-supply and sewage, Rs. 3.8 lakhs on furniture and Rs. 50 lakhs on equipments. The recurring cost would also go up to Rs. 16,00,000/-. This naturally retarded the rate of execution of the plan, and the programme of work could not be completed in spite of generous contributions from the Government of India. A Reviewing Committee was, therefore, appointed in pursuance of Government Order No. 4310—Edn. dated the 27th May, 1953, with the following terms of reference:—

(i) To review the progress made in the implementation of the Development Plan, formulated on the recommendations of the Higher Engineering and Technical Education Committee of 1945, as approved by the State and Central Government;

(ii) To examine the proposals framed by the College Council for increase of staff; and

(iii) To prepare a complete scheme, indicating the financial implication for the introduction of Honours Courses.

The Committee consisted of :

1. Sj. N. K. Mitra, Chief Engineer, East Indian Railway, (Retd).—Chairman.

2. Sj. T. Mitra, Chief Engineer, Works & Buildings Department, Govt. of West Bengal.
3. Sj. G. B. Mondal, Chief Engineer, Irrigation & Waterways Department, Govt. of West Bengal.
4. Sj. P. C. Mukherjee, General Manager, Chittaranjan Locomotive Works.
5. Sj. B. P. Neogi, Deputy Secretary to the Govt. of West Bengal, Education Department.
6. Sj. Kalidas Roy, Director, Annapurna Metal Works.
7. Dr. S. R. Sen Gupta, Principal, Bengal Engineering College.
8. Prof. A. C. Roy, Professor of Applied Mechanics, Bengal Engineering College--Secretary

The Reviewing Committee submitted its report on August 17, 1953, and it is now under consideration of the Government.

Meanwhile, part of the construction programme had been put through and several Blocks of Buildings were completed during the year 1953–54. A grant of Rs. 30,000/- was received during the year from the Government of India for the purchase of equipment for starting an Ore-dressing Laboratory.

The College suffered a heavy loss when Dr. S. R. Sen Gupta, Principal of the College, left on deputation, on the 12th March, 1954, to join his new post as Director of the Indian Institute of Technology, Khargpur. But for his initiative, drive and zeal, the development plans could not have been implemented. He successfully piloted the plans from the stage of their initiation to that of implementation. Mr. R. G. P. S. Fairbairn, Professor of Mechanical Engineering, was appointed Principal in his place.

On the 30th September, 1954, Government of West Bengal approved a scheme for the interchange of staff between this College and the Indian Institute of Technology, Khargpur, for the mutual benefit of both the institutions. Under another scheme sponsored by the Technical Co-operative Administration, U.S.A., an agreement was concluded between the Bengal Engineering College and the University of Wisconsin. In accordance with the terms of that agreement six Guest Professors from the U.S.A. joined the College at the beginning of the session 1954–55. In exchange five members of the Teaching Staff of this College went to the U.S.A. as Research Associates and Research Fellows for one year in order to learn the technique, methods and organisation of Teaching, Laboratory work and practical work in Industry.

Research activities in the College started as far back as 1901 when Upendra Nath Kar, a student of the College, was awarded an Elliot Research scholarship of Rs. 100/-, tenable for one year, for conducting investigations in the region of electricity and magnetism with special reference to electrical engineering at the College Laboratory. With the installation of a 100-ton Testing Machine in 1902-03, scope for research in the early days of the College was somewhat enlarged. Arrangement was made for holding regular research tests with Indian timbers, and the facilities available in the College Laboratories were utilised by the Inspector-General of Forests. During the year 1907-1908, arrangements were almost completed for purchasing an apparatus for research in Absorption Spectrometry. From that period onwards research work gradually expanded in the various laboratories of the College. There was, however, no proper arrangement for any sustained research, not to speak of any post-graduate research work. The Development Committee noticed this deficiency and in one of its recommendations suggested adequate provision for stimulating research by students. Research scholarships were liberally granted so as to make the students interested in this field. The Government of India allotted to this College thirteen senior scholarships (3 each in Civil, Mechanical and Electrical Engineering and 2 each in Metallurgical and Architecture) of the value of Rs. 200/- a month tenable for three years. There are also ten college research fellowships of Rs.75/- a month tenable for one year, but renewable for another year. During the period from 1948-49 to 1955-56 the following research schemes were in operation at the College:–

SL. No	Name of Scheme	Investigator-in-Charge	Date from which operated.	Sanctioning Authority
1.	Development of Gas Turbine and Jet Propulsion Unit.	(1) Dr. S. R. SenGupta (2) Prof. D. Banerjee.	Nov.30,1950	Council of Scientific and Industrial Research.
	Investigation of R. C. coupled F. M. O scillator (Successfully completed on 1. 9. 53)	Dr. H. Rakshit	–do–	–do–

SL. No	Name of Scheme	Investigator-in-Charge	Date from which operated	Sanctioning Authority
3.	Gases in Steel	Dr. G. P. Chatterjee	–do–	–do–
4.	Studies on the corrosion of metals and alloys with special reference to the effect of Titanium	(1) Dr. G. P. Chatterjee (2) Dr. B. Chatterjee	March 10,1952	–do–
5.	Flash Steam Generator (Discontinued from 1. 3. 55)	Shri R. K. Mukherjee	June 26,1951	–do–
6.	Studies on binary and ternary alloy system with Titanium as one of the alloying constituents	(1) Dr. G. P. Chatterjee (2) Dr. B. Chatterjee	March 10,1952	–do–
7.	Study of Microsiesms and Sea Waves and their co-relation with cyclonic disturbances.	(1) Dr. S. K. Chakraborty	Jany. 7,1952	–do–
8.	Design and Development of Instruments for Cosmic Ray measurement and a study of allied theoretical problems.	Dr. S. K. Chakraborty	Nov. 6,1951	Govt. of India, Atomic Energy Commission.
9.	The development of Auto-Engines using Power Alcohol as Fuel (Since transferred to Jodhpur College of Technology)	(1) Prof. R. G. P. S. Fairbairn (2) Shri G. Baraya	Jan. 7,1955	Council of Scientific and Industrial Research.
10.	Construction of 100 watt.r.c coupled F. M. Oscillator (Discontinued from 1.3.56)	Dr. H. Rakshit	April 1,1954	–do–
11.	Development of Electronic Torquemeter (Discontinued from 1.3.56)	do	July 1,1954	–do–
12.	Development of New Alloys with reference to elements available in this country	(1) Dr. G. P. Chatterjee (2) Dr. B. Chatterjee	Sept. 1,1954	–do–

The research work has produced results. A Three-staged axial flow Compressor and a Combustion Chamber have been designed and manufactured in the College. Turbine and other components have also been designed and are in the process of manufacture.

Earlier mention has been made of the Library of the College which was started in the beginning of 1857 with a capital grant of Rs.5,000/- and a recurring grant of Rs. 200/- a month. Though the Library had expanded considerably since then and had a large collection of Works and other Volumes, the Development Committee considered it not up to the desired standard in as much as books required for use of the College as well as for references by practical engineers were inadequate. Accordingly, it was recommended that the Library should be expanded so as to meet the increased demands necessitated by rapid expansion of the College and also to serve the purpose of Post-graduate research. The Library staff was accordingly increased from one to as many as seven under the Five-Year Plan. Collection has since gone up appreciably. It is interesting to note in this connection that the Chapel, which was originally constructed by the Bishop's College and was being maintained after acquisition of the premises of that College by the Government, was finally made over on the 13th August, 1947, on the express condition that it would be used as a Library for the College.

It has also been mentioned earlier that the

'Sibpore College Patrika' published in 1903 was the first attempt at publication of a Journal by the students. The publication was discontinued the following year and for a long time no further attempt was made. After the lapse of several years, the students of the College started the publication of an annual journal known as the "Bengal Engineering College Annual" or more popularly known as "B E C A". BECA is now published regularly at the time of the Annual Reunion Meeting of the present and past students of the College.

One of the recommendations of the Development Committee was for an adequate financial provision for the regular publication of a Technical Bulletin from the College. The Government of West Bengal accepted this recommendation and in their Order No.4234-Edn. dated Nov. 9, 1948, sanctioned a total annual expenditure of Rs.10,000/- under the Five-Year Plan for the publication of Technical Bulletins. The first bulletin was published in 1949 and comprised the lectures which were delivered by a Visiting Lecturer. Subsequent issues of the bulletins made their appearances more or less regularly until their publication was suspended. A new half-yearly publication known as the "Journal of Technology" began to be published from June, 1956.

Degree courses were further enlarged during the year 1955-56. The Calcutta University framed new Regulations creating the Degree of D. Phil. in Engineering. The Master of Engineering courses in Civil, Mechanical, Electrical and Metallurgical Engineering (of one year's duration for honours graduates and of two years duration for pass graduates) were introduced. It may be noted here that the Degree of Doctor of Science in Engineering was created some years ago. A new four-year Degree Course in Mining Engineering has since been introduced from the session 1956-57.

There are now five Professional Societies in the College, namely, (1) the Civil Engineering Society (2) the Mechanical Engineering Society (3) the Electrical Engineering Society (4) the Metallurgical Society and (5) Students' Society of Student Architects and Town Planners (SSAT). Periodical discussions are held by the Societies on engineering and other technological problems. Besides, popular lectures by professional experts are also arranged by them. The "Alumni Congress", formed some time ago by the students of the College, takes a keen interest in the welfare of the institution as well as in its students.

The strength of the sanctioned staff as it stood at the end of the Five-Year Plan period is as shown below:–

1. Administrative Staff:
   Principal
   Registrar 1

II. Teaching Staff:

Professors	7
Associate Professor	1
Assistant Professors	11
Associate Assistant Professors ..	4
Lecturers	16
Associate Lecturers	12
Demonstrators	28
Visiting Lecturers	12

III. Workshop Staff:

Chief Foreman Instructor	1
Foremen Instructors	6
Mistry Instructors	34
Chief Store-keeper	1
Assistant Store-keepers	2

IV. Library Staff:

Librarian	1
Assistant Librarians	2
Library Assistants	4

V. Practical Training.:

Professor-in-Charge of Training ..	1
Assistants to the Professor-in-Charge of Training	2
Stenographer	1

VI. Physical Training:

Physical Training Instructors ..	6

VII. Medical Staff:

Medical Officers	1
Male nurses	2
Compounder	2
Dresser	1

(The question of increasing the Medical Staff is under consideration. There is a 20-bedded Hospital in the College.).

VIII. Office Staff

P. A. to the Principal	1
Office Superintendent	1
Head Clerk, Accountant & other Assistants	25

IX. Compound Staff:

Care-taker	1

The number of students rose to 618. The present number (in 1956) is 768. To reach the immediate target number of 1,200 students more Hostels are necessary. The construction of two new Hostels is nearing completion. These will be named after the two former Principals, Mr. N. N. Sen and Dr. S. R. Sen-gupta, as the "Sen Hall" and the "Sen-gupta Hall" respectively.

Mr. R. G. P. S. Fairbairn proceeded on leave

preparatory to retirement on May 16,1956 after 18 years' service in the College, and Mr. A. C. Roy, Head of the Department of Applied Mechanics, succeeded him as the new Principal.

The First Five-Year Plan of India was successfully implemented by March, 1956. The second Five-Year Plan of India began from April, 1956, to carry forward the process initiated during the first Plan-period. It may be noted that the Five-Year Plan for the development of the Bengal Engineering College was started earlier in 1948-49 and was implemented in 1952-53 except in respect of certain items, such as, equipment and construction of buildings which could not be completed on account of their cost having gone up by as much as three times, thereby upsetting the original budget provision. The programme of work was, however, carried on. To fit in the further development programme of the College into the Second Five-Year Plan of India, another scheme for an intake of 400 students is now under preparation.

The story of gradual growth of the Bengal Engineering College is a fascinating study. As we proceed from the very beginning of its history dating back to the year 1854, we realise how difficult has been the task of transforming this College from an humble beginning in rented premises to the modern Engineering Township that is to be seen to-day. During the last one century this institution has been playing a vital role in our national life—that of producing the qualified technical personnel with higher engineering knowledge and training. Those who came out of it during all these years served the country at all stages of its development and served well and with credit. Those who will come out of this institution in future will undoubtedly play their part in the nation building programme that lies ahead and contribute their mite as best as ever before. A hundred years ago—on the 24th of November, 1856—the College was started with only 10 students and 2 teachers under its first Principal Lieut. Williams, a man of outstanding abilities and great foresight. During the intervening years, its existence was as stake on two occasions but it triumphed over the temporary set-backs. The work begun by Principal Williams has reached a glorious stage of development under the able leadership of successive Principals. Their efforts have produced results and the College now stands firmly rooted with up-to-date scientific equipment and a batch of selfless teachers to play its part to meet the highest demands of new India of our dream. Let the process continue with undiminishing vigour. We are confident that the Bengal Engineering College will continue to occupy a place of pride and honour in our national life, for centuries to come, and do its very best for the development and prosperity of India and her people.

The Editor acknowledges with gratitude the honorary services rendered by Shri Jagadish Saha of West Bengal Secretariat Library and by the staff in general of West Bengal Secretariat Library and Record Room and the Calcutta University Library.



ENTRANCE TO THE DEPARTMENTS

Sectional Developments and notes

CIVIL ENGINEERING DEPARTMENT

General History

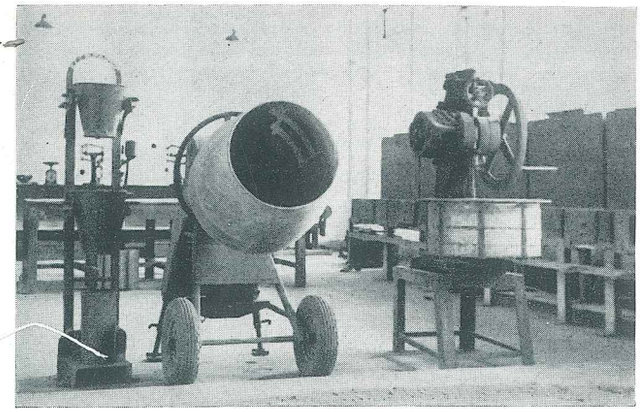
The department of Civil Engineering is the oldest department of the College dating back to the year 1856 when the Institution was first established. For a long time this department continued to be the only department or at least the main department of the Institution. The history of the College, therefore, is largely the history of its Civil Engineering Department, which has been detailed in a separate article. Until, however as late as 1931, the Civil Engineering Department was the only department offering a degree course.

Since 1880, when the Institution was shifted to its present site, the Civil Engineering Department was housed in the western part of the single-storied gothic-styled building which formerly used to be the Bishop's College. The workshops, offices, etc. were housed in other parts of the same building. The building is still standing to-day in all its glory, and at present houses the College Workshop. From 1880 to 1949 it was from this humble yet dignified-looking building that generations of young civil engineers went out to serve their country. For the short period of 1950 to 1952 the department was temporarily housed in the new single-storied building opposite the Smithy Shop, which now houses the new Hydraulics Laboratory. In 1952, the department was shifted to its present position in the eastern wings of the new building which now dominates the view of the campus with its impressive modern facade.

Mutation of courses as took place from time to time has been detailed in the body of the history of the college and not elaborated here.

Recent Developments

Coming to more recent past, the Civil Engineering Department expanded and developed immensely within the last seven years (1950-1956). The nucleus of this development was the plan prepared by the Development Committee set up in 1945. As a result of implementation of this plan the department now has a well-equipped laboratory, furnished with testing equipments for concrete, soils and road materials, a loading frame for testing structural elements, and some testing equipment in the field of public health engineering. The period was also marked by a substantial increase in accommodation for class and laboratory rooms, in staff strength, and in the number of students. At present, the number of students admitted



CONCRETE LABORATORY

each year to this department is 80 and the total strength of students in the department is 340. The development of the department, which started with the beginning of the First Five Year Plan of the country has got further impetus with the advent of the Second Five Year Plan.

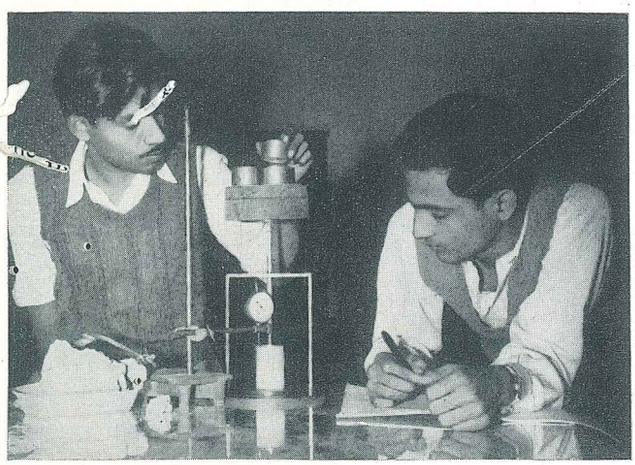
Post-Graduate Courses

A significant recent development is the introduction of a Post-graduate course, leading to the degree of Master of Engineering (Civil Engineering), in 1955. Subjects that have been offered are:—

1. Structural Engineering — as major subject
2. Soil Mechanics
3. Concrete Technology — any two of these as
4. Bridge Design & Construction — minor subjects.

The Master of Engineering course envisages a course of two years' duration, during which courses will be attended on the above-mentioned subjects and a thesis will be completed on some aspect of the major subject. The regulations have been so framed that the thesis carries more weight than the written papers on the subjects mentioned above.

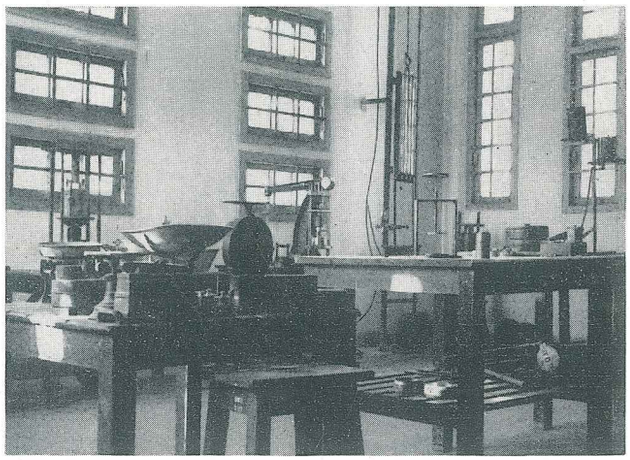
UNCONFINED COMPRESSION TEST EQUIPMENT



Students' Activities

During the recent years, the students of the department have been encouraged to form a society under the name of "Society of Civil Engineering". Its organ, "the Civil Engineer", an yearly publication, has been publishing papers and technical articles for the last few years, and has been acclaimed widely by engineers. The Society also arranges frequent lectures by engineers on various aspects of civil engineering for the benefit of students and holds students' seminar talks or symposiums occasionally. The Society was started with the enthusiastic support of Prof. Karunamoy Ray, Professor 1949-52, and its journal, "The Civil Engineer", owes its existence to the impetus received from Prof. Kshaunish Ch. Ray, the present Professor-in-charge.

SOIL MECHANICS LABORATORY

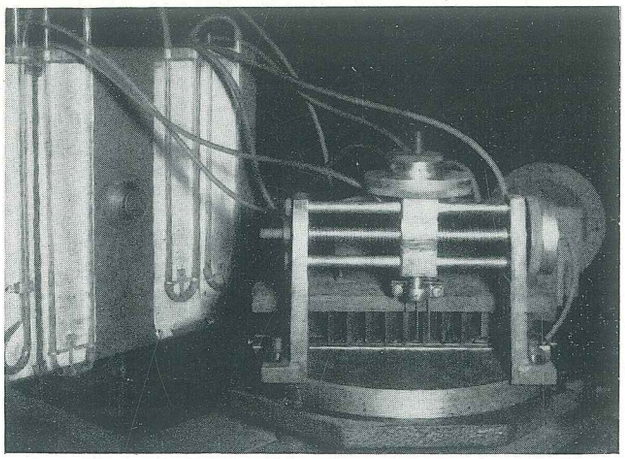


MECHANICAL ENGINEERING DEPARTMENT

The activity of the Mechanical Engineering Department was started in 1878 when an Apprenticeship course was introduced to train a batch of students from Dehri-on-Sone on a Five Year training scheme.

In 1891, a proposal was made to introduce degree and licentiate courses in Mechanical Engineering along the same lines as Civil Engineering and the syllabii were prepared. The courses were not started and the Scheme was dropped in 1902. During the same year the post of Professor of Mechanical and Electrical Engineering was created for teaching the Civil Engineering Graduates and the apprentices. The Professor of Mechanical and Electrical Engineering also took charge as the Superintendent of Workshops. In 1907, a new course to train Motor Mechanics was started which was discontinued in 1910.

The Mechanical Engineering Department came into existence as a separate department in 1913.



BLADE CASCADE TEST RIG

The Department received great impetus under Prof. C. A. King who joined the department in 1914 and put forward a scheme for the development of the Department by improving the courses of studies and all sections of the laboratories including Prime Movers & Workshops by procuring some essential equipments from abroad and also by preparing a large number of small equipments and models in the College Workshops.

The Diploma and Associateship courses were started in 1920-21 and the first batch of Diploma and Associate students came out in 1923 and 1924 respectively. During this period, Prof. R. Wolfenden, put an intensive effort to improve the laboratories and the workshops to bring them upto a Mechanical Engineering degree standard.

The next important event in the early history of the Department was the introduction of the degree course in Mechanical Engineering and the first batch of Mechanical Engineering graduates, three in number, passed the degree examination of the Calcutta University in 1932. Since then the Department has grown steadily and the total strength of students in the department, including the Diploma and Associate Students, increased from 73 in 1931-32 to 123 in 1944-45.

The academic year 1945-46, was a turning point in the history of the college and of the Department. On the recommendations of the Reorganisation Committee the implementation of an all-round development plan was started with great zeal and enthusiasm by Prof. A. C. Roy, the-then Head of the Mechanical Engineering Department and Superintendent of Workshops and was subsequtntly followed up by Prof. R. G. P. S. Fairbairn who came back to the Department after serving for a period of 3 years as the Principal of the Delhi Polytechnic.

Development of the Department

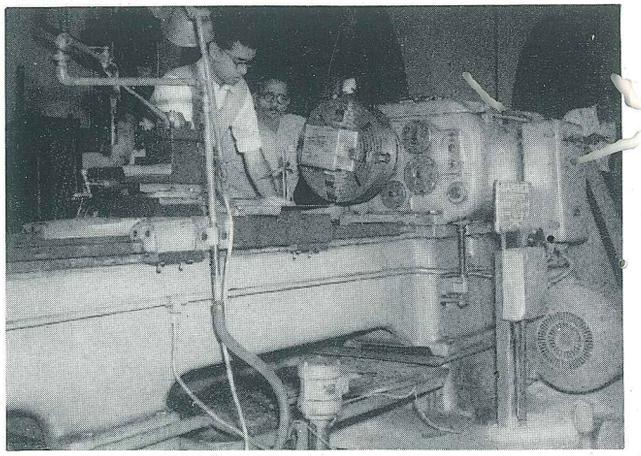
With the development of the college and the increase in the number of students, the department has grown in staff strength, laboratory space and equipment. In 1913, the department started with one Professor and one Assistant Professor with a small laboratory consisting of a few models. The space available for the department was the west bay of the prime movers laboratories, which now is the boiler house. The total strength of the departmental staff now is eight including one Professor and two Assistant Professors. The laboratories have grown in size & number and have been equipped with latest equipments and instruments. The following laboratories have been developed in the department: —

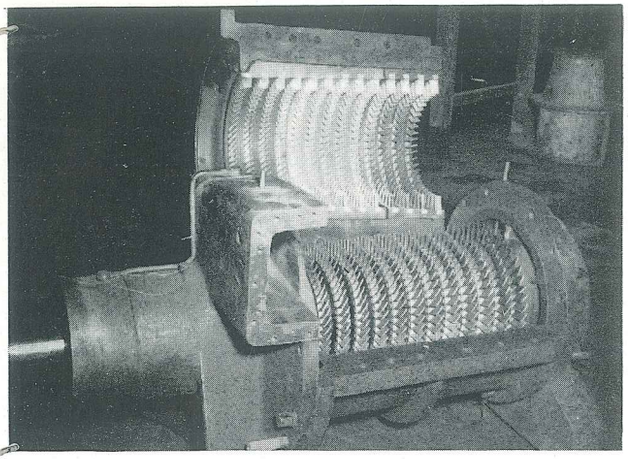
(*a*) Steam Engineering laboratory, with three new boilers including a Babcock & Wilcox Boiler with mechanical stoking arrangement, three steam engines with dynamometers, one Bellis & Morcom Steam Turbine set, a feed pump test set and a large number of other smaller pieces of equipment.

(*b*) Internal Combustion Engine laboratory with four experimental Diesel Engines with dynamometers, three petrol engines of the automobile type with a hydraulic dynamometer, an air-compressor set with receiver and an orifice for experimental purposes, one diesel generating set, and other small instruments. In addition to these this section has been equipped with a variable compression Ricardo E6 experimental engine with electric dynamometer, a Franborough indicator and other accessories for fuel testing and research work.

(*c*) Fuel testing Laboratory with complete set of equipment for testing solid, liquid and gaseous fuels and also for testing boiler feed

NEW RUSSIAN LATHE





AXIAL FLOW COMPRESSOR

water. Some of these equipments are; Bomb Calorimeter, Junkers' Gas Calorimeter, Redwood Viscometer, Flash point tester, Carbon residue apparatus, Petrol distillation apparatus, coal grinding equipment, Orsat apparatus, furnaces, etc.

(*d*) Junior Laboratory for demonstration of the working principles of mechanical equipments and machine elements, consisting of a number of sectioned models, charts and diagrams.

(*e*) Refrigeration and Air Conditioning laboratory:—The main items of equipment in this laboratory are a 5 ton central station type air conditioning plant with evaporative condenser, and a weather maker complete with ducts and grills. The equipment has been adequately furnished so that complete experimentation is possible with scope for post-graduate work.

(*f*) Gas Turbine Laboratory:—This is a new laboratory which has been built up with equipments mostly designed and manufactured in the College. Facilities are available for testing a small axial compressor, combustion chambers, and cascade of blade. There is a Derwent Mark I jet engine which is not ready for a run. This laboratory is used by the post graduate students.

(*g*) Metrology Laboratory:—This laboratory was started in 1925 with a few precision comparators reading upto one ten-thousandth of an inch. This was, perhaps, the first laboratory of its kind in any technical institution in India. Since then a large number of precision instruments have been added to this laboratory for accurate measurement of lengths, diameters, angles, elements of screw threads and roughness of surfaces. Some of the special instruments of these laboratory are level comparator, floating carriage micrometer, pitch measuring machine, Zeiss Optotest, Tool maker's microscope, Taylor Hobson surface measuring machinery.

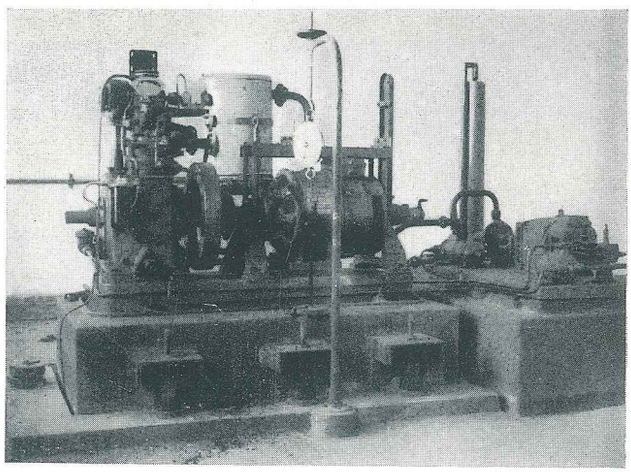
In addition to the above laboratories two new laboratories are in the process of development. These are the Machine Tools laboratory and the fluid mechanics laboratory.

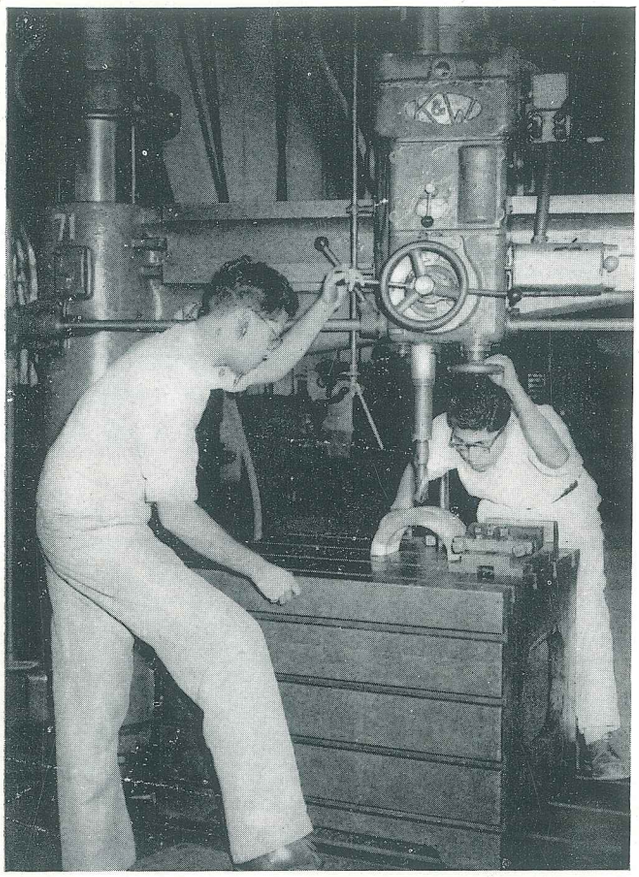
The department has expanded considerably in space during the development period and in comparison with the old set-up in the Prime Movers Laboratory, the Mechanical Department is now housed in a three-storeyed block (Block 4) of the new College buildings. A drawing Hall having a total capacity of 80 students is located on the top floor of this new block while the ground floor has been used for the I.C. Engine and Refrigeration Laboratories.

Post-graduate Courses

Post-graduate courses leading to an M.E. degree in Mechanical Engineering were approved by the University of Calcutta in 1953-54. Simaltaneously, schemes for the development of the post-graduate courses in different mechanical engineering subjects were submitted to the Ministry of Education, Govt. of India. The Govt. of India, on the recommendation of the All India Council of Technical Education approved the opening of Post-graduate Department in "Prime Movers" and have sanctioned staff, contingent expenditure and substantial amount of equipment for this purpose. The State Govt. have also sanctioned their share and the scheme is being implemented this year. In addition, the Ministry of Education have also sanctioned the establishment of a research unit in "Internal Combustion Engineering" for which a few special types of equipment and scholars have been sanctioned.

VARIABLE COMPRESSION ENGINE





MACHINE SHOP AIDS

Although regular students were not registered in the Post-graduate Department until the beginning of the current session, activities in the Post-graduate Department have been started since 1954. Courses are being offered in specialised subjects to the staff and research scholars of the Department. The first M.E. Examination in Mechanical Engineering was held in the month of November, 1956, in which one student was registered. The regular batch of students (two in number) will complete their course and take the examination in May, 1958.

Publications :—A number of technical papers on original research work done by the staff and research scholars have been published in different technical journals.

Society of Mechanical Engineers :—The students of the Department have a society for arranging visits, lectures and technical film shows. In addition, a technical journal is published with articles from students, ex-students and staff on mechanical engineering subjects. The Society is composed of members elected from amongst the mechanical engineering students with two advisers from the members of the staff of the department.

Assistance under T.C.M. contract and Colombo Plan :—Since 1954, the college entered into a Sisterhood Relationship Scheme by virtue of which the Department received the services of three American Professors, specialists in different fields. One member of the staff has been trained in U.S.A. under the same contract. In addition, a number of equipment have been received for both the under-graduate and post-graduate laboratories of the Department.

Under the Colombo Plan, a photo-stat machine has been procured for the department and a few other items of equipment are on the way. Arrangements have been made for training one member of the staff in U.K. under the same scheme.

ELECTRICAL ENGINEERING DEPARTMENT

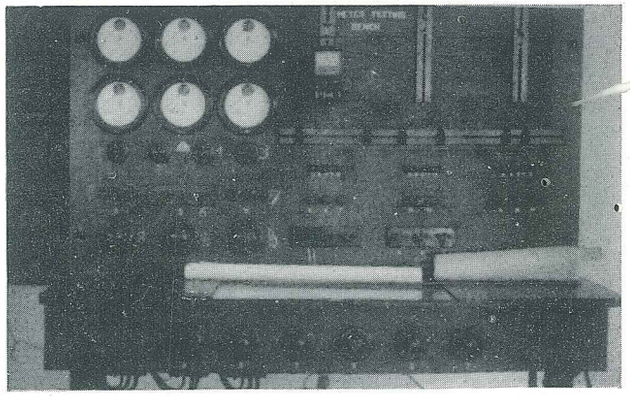
A combined Electrical and Mechanical Engineering Department was started in 1902. This department used to take both theoretical and practical classes in Electrical Engineering for the professional group of the Bachelor of Engineering degree course in Civil Engineering. In addition the department used to train up overseers in the Mechanical and Electrical Engineering for appearing at the joint Technical Board Examination.

In the session 1912-13, the Electrical Engineering Department was separated from the Mechanical Engineering Department with Mr. W. H. Everett as the departmental head.

The Overseer's Course in Electrical and Mechanical Engineering was upgraded to a three-years' Diploma course in the academic session 1921-22. In the same year, this department also undertook to train up artisan boys in armature-winding, wiring of buildings and maintenance of accumulators.

The old storage batteries installed in Dynamo House were replaced by a new battery of 60 cells (capacity 487 amp. hrs.) in the year 1924 and the following

METER TESTING BENCH



additions were made to the-then existing electric plant:—

(i) One 30 K.W. Alternator;

(ii) One 25 K.W. Rotary Converter with Transformer and Starting switchgear;

(iii) One Booster.

The first diploma examination in Electrical and Mechanical Engineering was held in 1923.

In 1925-26, the post of Foreman in Electrical Engineering was created.

In 1929-30, the whole of overhead 220 volt A.C. lines were replaced by underground cables.

In 1930-31, a post of Assistant Professor in Electrical Engineering was sanctioned.

The first batch of Electrical Engineering Graduates under Calcutta University was out in 1935-36.

In 1936-37, the department also undertook to train up Bengal Nagpur Railway Apprentices.

In 1943-44, evening coaching classes in Electrical Engineering were arranged at this department for several R.A.F. units stationed in and near Calcutta. This continued till the session 1944-45.

In 1945-46, the University revised the curricula, syllabii, rules and regulations relating to the B.E. Degree Examinations in Electrical Engineering on the lines recommended by the Development Committee with the D.P.I., Bengal as the Chairman and Dr. S. R. Sen Gupta as Secretary.

With the increase in the activities of the college and consequent demand for more power, the College Electric Supply Scheme was remodelled in 1946-47 and the college started purchasing bulk power at high voltage (6000 volt) from the Calcutta Electric Supply Corporation.

In April 1951, the Electrical Section of the Works & Buildings Department of the Govt. of West Bengal took over the outside installation from this Dept. and they are now in charge of lighting for the college building, residential quarters and hostels. The responsibility for maintenance & installation for all electrical equipments of the college including workshops, however, remains with this department.

The 5-year plan of the college was given effect from 1948-49 and in 1949-50, one post of senior Research Scholar in E.E. was sanctioned for Rs. 200/- per month tenable for three years for carrying Research in Electrical Engineering subjects of Post-graduate standard.

In 1952-53, regulations for Master of Engineering (M.E.) course in Electrical Engineering were drawn up by the University. Under the auspices of the Technical Co-operation Administration, U.S.A., this college entered into a sisterhood plan with the University of Wisconsin for exchange of staff. Prof. R. R. Benedict of Wisconsin joined this department in 1954-55 under this scheme and during his stay for two years he has made valuable contribution towards the development of new Electrical Engineering Laboratory and research facilities.

The Electrical Engineering Department moved into its new abode in Block No. V in January, 1955.

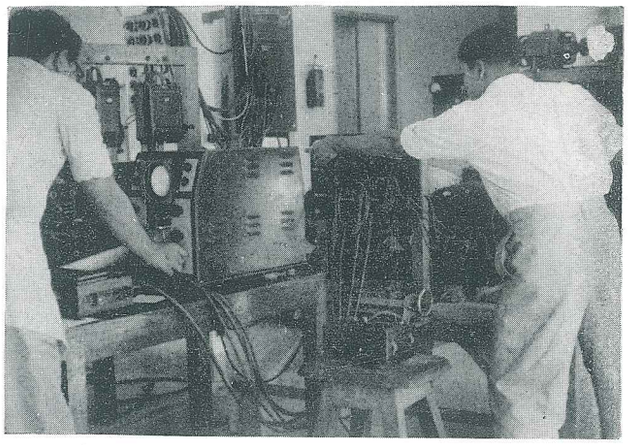
The following new equipments have been added:

A 5 KW, 6-phase Rotary Converter, an Amplydine set, 2.5 h.p. D.C. Dynamometer (made by the Elec. Department), Exploring coil D.C. Generator, a four-machine AC/DC set, a four Cathode-ray Oscilloscopes and one six—element Duddell electro-magnetic oscillograph.

In the high voltage laboratory a number of new experiments have been introduced under the following heads:—

(1) Air break-down test for different types of gaps, such as, rod gap, needle gap, sphere gap.
(2) Potential distribution across the individual insulators of a string.
(3) Dry and wet test on Insulators.
(4) Demonstration of corona formation on lines.
(5) Break down of insulating oil.

EXPLORING OIL MOTOR GENERATOR



Post graduate :—The Department started Post Graduate course from 1956 and by this time has four Post-Graduate students on the roll. The following subjects are being offered this year for the Post Graduate course:—

1. Advanced Electric Machinery.
2. Power Net Works and their performance.
3. Servo-Mechanism and Feed Back System.

CHEMISTRY AND METALLURGY DEPARTMENT

Brief History of the Department

Prior to the year 1897, the teaching of Chemistry, Metallurgy, Geology and Mineralogy was under the charge of the department of Physical Sciences. In 1897 the Department of Chemistry and Drawing was established with Prof. William Tate, A.R.C.S., F.C.S., as the Head of the department. In the next year a separate Department of Chemistry was in existence. This name was changed to the present name *viz.* Department of Chemistry and Metallurgy during 1925-26. A separate Deptt. of Dyeing and Tinctorial Chemistry was in existence with Prof. R. N. Sen as the Head of the Department during 1911-16.

Through the initiative and efforts of Prof. N. N. Sen M.Sc., A.R.S.M. who was the Head of the Department from 1927-49 a three-year Graduate course leading to the degree of Bachelor of Metallurgy was introduced in 1939. A few years later the curricula were revised and a four-year Graduate Course leading to the degree of Bachelor of Engineering (Metallurgical Engineering) was introduced in 1945-46.

In the year 1954-55 a two-year post-graduate course leading to the degree of Master of Engineering (Metallurgy) was introduced.

In the year 1956 a four-year graduate course in Mining Engineering has been introduced in the College and the Mining students have been placed under the charge of this Department, pending the establishment of a separate department of Mining.

During the period of existetnce of the Department, the syllabii for studies in Chemistry, Metallurgy, Geology, Fuels and Refractories have been periodically revised to incorporate new developments and to meet the demands of the Commerce and Industries and the Educational and Research Organisations.

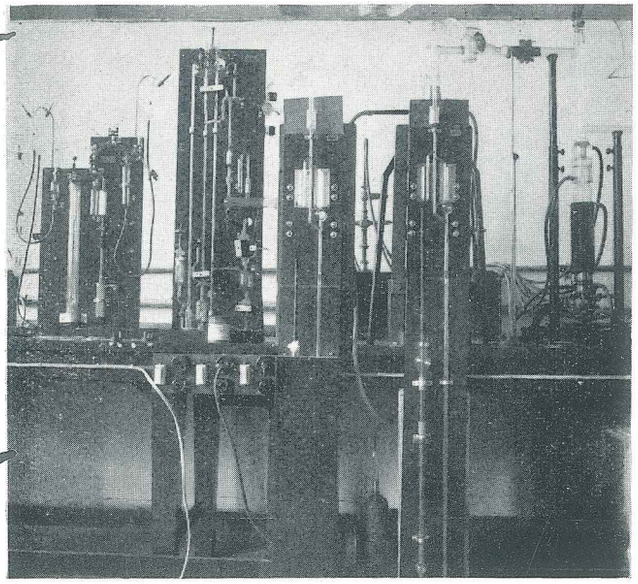
Development of the Department

During 1949-51 the development of the Department was phenomenal under the guidance of Prof. W. Baukloh, ex-Director of the Technical High School, Charllotenburg, Berlin. New and modern equipment were ordered, the syllabii were revised and several useful and important problems of research were take in hand. Prof. Baukloh died in harness on July 21, 1951.

The development plan was taken up with great zeal and enthusiasm by Dr. G. P. Chatterjee, the present Head of the department who with the assisance of his colleagues has been expanding the department which is now adequately equipped for teaching and research in Metallurgy, Chemistry, Fuel and Geology. Apart from laying emphasis on the basic fundamentals in different metallurgical and allied subjects by full time members of the teaching staff several steps have been taken to raise the standard of under-graduate training and education. Arrangements have been made every year to organise two groups of supplementary visiting lectures—one group of lectures by capable men with long industrial experiences to keep the students informed on some recent trends of current practices in industry and the other group of lectures by scientists and research personnel of outstanding abilities from the universities and research organisation with the object of presenting before the students some area of the frontiers of knowledge in the field of science of metals. The department also arranges every year several special lectures and seminar classes in collaboration with the college chapter of the Indian Institute of Metals and the College Society of Student Metallurgists (started in the year 1953-54) with the object of supplementing advanced studies and discussions in different fields of metallurgical science and engineering. The admission of students to the undergraduate has been increased by 50% from this year (1956) to meet the increased demand for technical personnel during the Second Five-Year Plan.

Keeping in view the deficiencies of this country in some essential metal bearing minerals and the consequent importance of training in mineral dressing, several useful equipment have recently been added in the geology and mineral dressing section of the department from the grant-in-aid sanctioned by the Govt. of India in 1953-54, with the object of extending laboratory facilities for undergraduate training and also to initiate research activities in this field. With the starting of Mining Engineering course from this year this section is expected to expand further in the coming years.

Prof. E. Weingartner was associated with this department during 1949-50 as a Guest Professor. During his stay here he initiated research activities on "Fischer & Tropsch" Synthesis of Fuel Oil. With some of the recent additions of fuel equipment, the starting of the mining engineering courses and the demand



VACUUM FUSION APPARATUS

of personnel trained in the specific branches of Fuel Technology, the department envisages expansion in the Fuel Section also.

Apart from raising the standard of undergraduate training it was felt necessary (a) to select talents and provide for their further advanced training so that the product may man metallurgical research and development projects and the different engineering institutions, and (b) to encourage both fundamental and applied research.

With these objects in view post-graduate training and research leading to the degree of Master of Engineering (Metallurgy) was introduced in the year 1954-55 and the first group of students *viz.* Sri P. K. Sen and Sri S. S. Pani who worked as research scholars in the department were awarded the M.E. (Met.) degree in 1955. In the year 1956 the Ministry of Education, Govt. of India, has agreed to provide financial assistance in the form of staff, equipment and contingent expenses for further development of post-graduate course.

With emphasis on the development of industries —particularly the heavy industries (the Iron and Steel), heavy Machineries etc. during the second five Year Plan commencing from 1956, the development envisages considerable further expansion both in undergraduate and post-graduate training and research.

Several senior members of the staff of the department are actively connected with learned organisations and societies like the Indian Institute of Metals, the Mining & Geological and Metallurgical Institute of India, the Indian Science Congress Association, Indian Chemical Society, International Society of Soil Science and other learned organisations and societies.

Dr. B. Chatterjee, D.Sc., of this department has been elected a member of the Senate of the University of Calcutta.

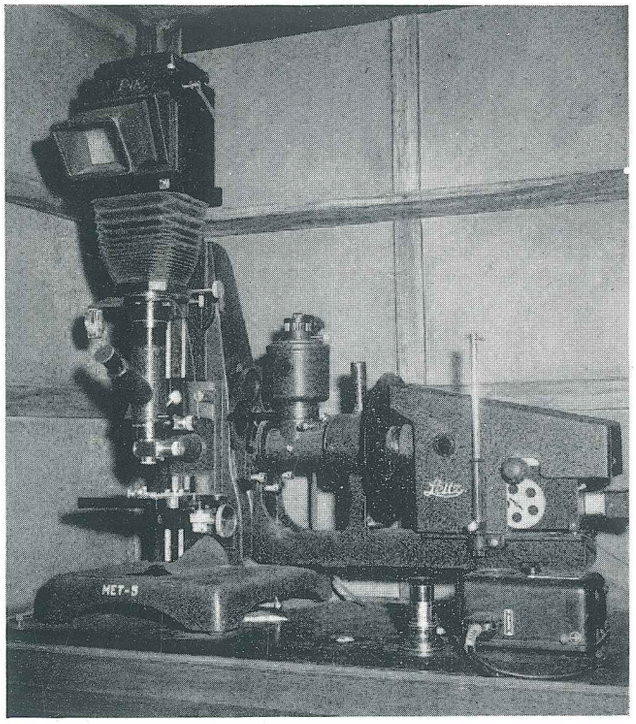
Dr. G. P. Chatterjee has been elected President of the Engineering and Metallurgy Section of the Indian Science Congress Association for the Session 1956-57.

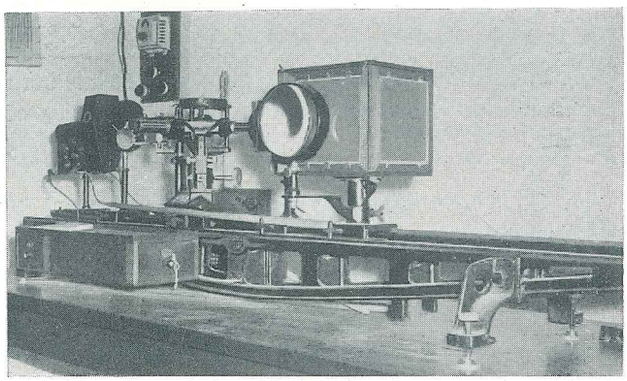
Some Important Equipment and Apparatus

The following list shows some of the important equipment and apparatuses of the department:—

1. 50 KVA X-ray Diffraction Unit.
2. 20 KW High Frequency Induction Melting Unit.
3. 40 KW High Temperature Graphite Resistance Furnace.
4. Salt Bath Type Heat Treatment Furnace.
5. Annealing Furnaces of different types.
6. Panphot Metallurgical Microscope.
7. Reichert Metallurgical Microscope.
8. Vacuum Fusion Apparatus for Gases in Metals and Alloys.
9. Carbon Determinator.
10. Differential Dilatometer.
11. Polarising Microscope.
12. Polarograph.
13. Photoelectric Calorimeter.
14. Precision Potentiometers and PH meter.

PANPHOT METALLOGRAPH





REICHART METALLOGRAPH

*15. Creep Testing Machine.
*16. Fatigue Testing Machine.
*17. Vibration Damping Capacity Testing Apparatus.
*18. Vacuum annealing furnace.
19. Mineral Dressing equipment and apparatuses.
20. Gray King Assay of Coal Apparatus.
21. Carbon and Hydrogen Determination Apparatus.
22. Bone and Wheeler Gas Analysis Apparatus.
23. Rambottom Carbon Residue Apparatus.

*Built in the College.

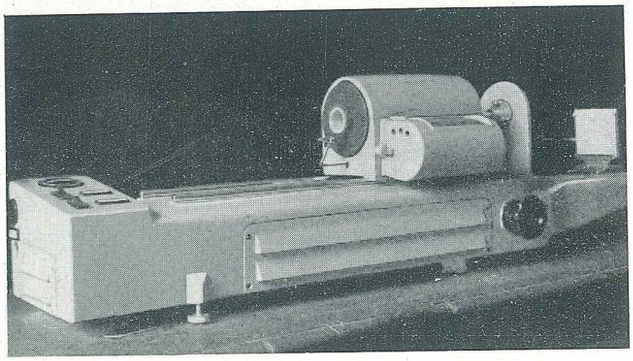
PUBLICATIONS

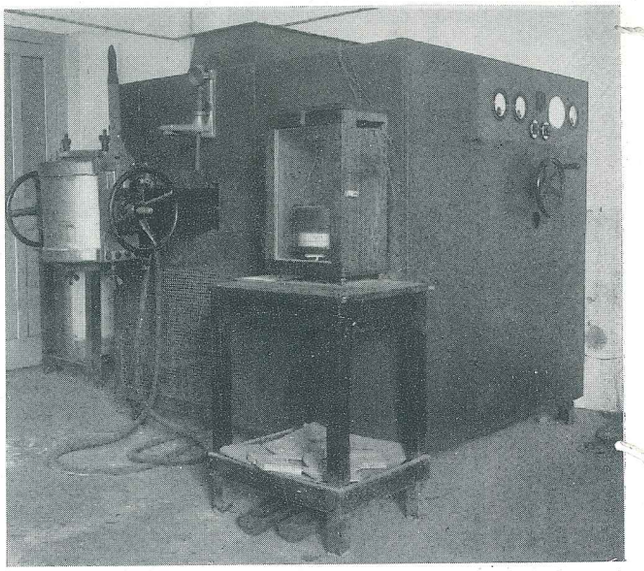
More than 180 papers have been published from the Department in different Scientific Journals in India and abroad in connection with the different research projects indicated above.

ARCHITECTURE, TOWN AND REGIONAL PLANNING DEPARTMENT

The Department of Architecture was started in July, 1949, on the recommendations of the Special Committee appointed by the Government of West Bengal for the reorganisation and development of the College. Under the guidance of visiting staff, drawn mostly from local practising Architects, the Department made

CHEVENARD DILATOMETER





GRAPHITE RESISTANCE TYPE STEEL MELTING UNIT

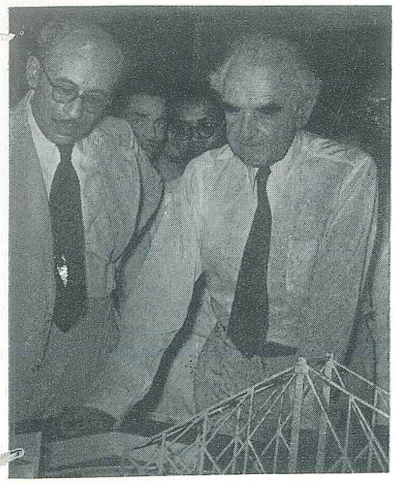
a quiet and non-spectacular beginning. In December 1949, Sri G. K. Paknikar joined the Department as Assistant Professor of Architecture, and acted as the Head of the Architecture Department till October, 1952. During this period, the new syllabus and curriculum of courses were organised and a foundation was laid for the further development of the Department.

Mr. Bernard F. Matthews, F.R.I.B.A., M.T.P.I., a well-known Architect in the city and a member of the Governing Body of the College, has been helping the Department since the beginning.

The Post-Graduate Department of Town & Regional Planning was also started in 1949 under the guidance of Sri A. K. De, Assistant Professor of Town Planning. He also organised the courses from the beginning and acted as the Head of the Department of Town Planning till October, 1952. Sri G. K. Paknikar also assisted him in teaching Town Planning and Landscape Architecture to the Post-Graduate classes. Sri B. N. Chaudhuri, Consulting Engineer, has also been helping in the development of both the Departments since the beginning of the Departments.

In October, 1952, Mr. Joseph Allen Stein, a practising Architect from California, U.S.A., joined the College as Professor of Architecture and Head of both the Departments of Architecture & Town Planning. He left in September, 1955. During this period, the Department made a considerable progress, and two batches of students graduated with the Degree of Bachelor of Architecture. These have been the first Degree-holders in architecture from an Indian University.

In July, 1956, Mr. Eduvardo Sacriste, a practising



RICHARD NEUTRA, AN ARCHITECT OF INTERNATIONAL FAME AND JOSHEPH ALLEN STEIN, HEAD OF THE ARCHITECTURE, TOWN AND REGIONAL PLANNING DEPARTMENT INSPECTING THE MODEL HOWRAH BRIDGE MADE BY THE ARCHITECTURAL STUDENTS

Architect and Professor from Argentina, joined the College as Professor of Town Planning—and is now the Head of the Departments of Architecture & Town Planning.

Under the programme of the 'Technical Co-operation Mission', the Department has been fortunate in having valuable assistance by the following Guest Professors: —

1954-55—Prof. Thomas L. Hansen—University of Colorado.

1955-56—Mr. Richard C. Marshall—San Francisco, California.

1956-57—Mr. Robert F. Olwell—San Francisco, California.

Under the exchange programme of the Technical Co-operation Mission, Sri G. K. Paknikar, Assistant Professor, was sent on deputation to the U.S.A.

Under the same Programme, the Department got a lot of valuable equipment and teaching aids.

There is a Sisterhood Relationship Scheme between this College and the Indian Institute of Technology. An intensive programme of exchange of professors and students' work is under way.

SYLLABUS

In the beginning, the syllabus of Instruction, recommended by the All-India Board of Architectural studies was generally followed for the first year class in Architecture. A Committee was simultaneously appointed by the University of Calcutta to revise the syllabus for the Degree Course in Architecture. The Committee worked for a year and prepared a syllabus based on the experiences of various schools in India and abroad, including the most of the important features of the 'All-India' syllabus. The Department now follows a five-year course with the syllabus approved by the Calcutta University, prepares students for the Degree of Bachelor of Architecture (B. Arch.).

The Town Planning Department offers a part-time post-graduate course of two years for Engineers and one year's course for Architects, and prepares the students for the Diploma in Town & Regional Planning (D.T.R.P.) of the University of Calcutta. The syllabus and curriculam of courses are based on some of the best and experienced schools in U.K. and U.S.A.

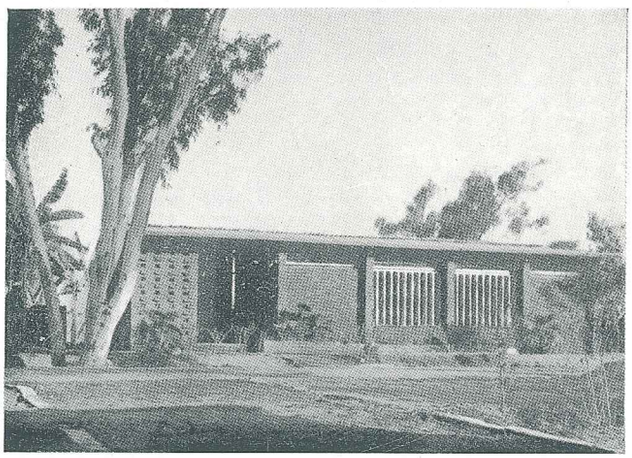
BUILDING & EQUIPMENT

The Department is now housed in the main building of the College.

The departmental library has a complete set of modern books and Magazines from India and abroad. For visual teaching the school is equipped with lantern slides, documentary films, projection equipment, lecture diagrams, building materials, samples and casts, etc. A model-making workshop and a photo laboratory complete the equipment of the school.

A society of students of Architecture & Town Planning has been formed for extra-curricular activities by the students of this Department since 1952. A journal is published every year which includes contribution by the students, and typical work done by the students in the year. It also includes contributions from well-known Architects from India and abroad.

SAMPLE OF TYPICAL URBAN HOUSE DESIGNED AND EXHIBITED BY THIS DEPARTMENT AT THE DELHI LOW COST EXHIBITION



A number of well-known Architects like Mr. Werner Meser of Switzerland, Mr. Richard Neutra of U.S.A., and city planners like Miss Jaqueline Tyrwhitt of Messrs Max Lock from U.K. visited the Department.

APPLIED MECHANICS DEPARTMENT

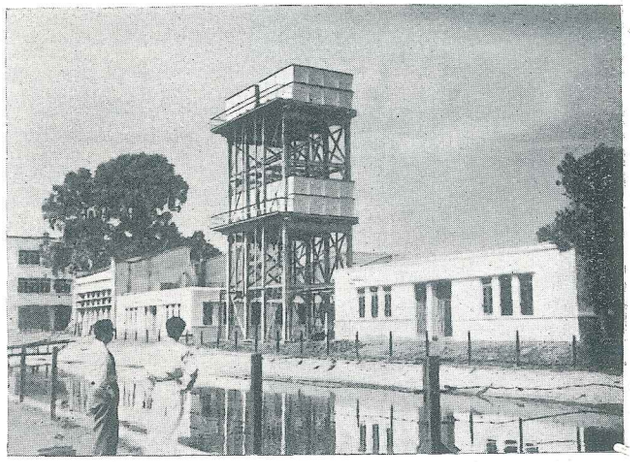
The department of Applied Mechanics was created on the 1st of September, 1947, on recommendation of the Committee set up by the Government of undivided Bengal, in February, 1945, for development of the Bengal Engineering College, when Prof. N. C. Bose was transferred from the Civil Engineering Department of the College to take charge of the new department. In December 1949, Prof. A. C. Roy was appointed Professor and Head of the Department. In June 1952, the services of Prof. Bose was lent to the Government of India and Dr. P. N. Chatterjee, then Associate Assistant Professor of Civil Engineering took his position. In May 1956, Professor A. C. Roy became the Principal of the College and since then Dr. P. N. Chatterjee has been holding the charge of the Department.

The department has been fortunate to get the services of some distinguished professors from the U.S.A. In the Sisterhood relationship between the Bengal Engineering College and University of Wisconsin under the Technical Co-operation Mission programme between India and the U.S.A., three American Professors joined the department as Guest Professors for a period of one year each. The department already had the services of Dr. J. R. Villemonte, Associate Professor of Civil Engineering, University of Wisconsin and Dr. A. C. Ingersoll, Assistant Professor of Civil Engineering, California Institute of Technology, the field of activity of the professors being Hydraulics and Fluid Mechanics. In the field of Materials Testing and Experimental Elasticity the department had the services of Prof. H. Majors, Research Professor of Mechanical Engineering, University of Alabama. This year, it has again been possible to get the services of Dr. Villemonte for one year.

LABORATORIES AND EQUIPMENT

When the department first started in 1947, it had two laboratories under its care, viz., the Strength of Materials laboratory and the Hydraulics laboratory.

Since modest beginning in 1947, a considerable amount of expansion of the laboratories have taken place. The Strength of Materials laboratory has been shifted to its present location in Block II, Ground Floor of the new college building. The old Hydraulics laboratory was shifted to the Polytechnic Building in 1952. Some new laboratories were also established to provide instructional and research facilities to different branches of engineering sciences under the department. At present the laboratories of the department have been classified into the following sections:—

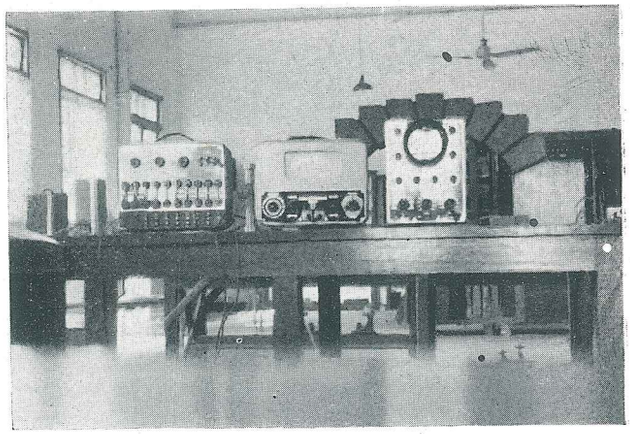


SOURCE OF HYDRAULIC POWER

(a) Junior Mechanics Laboratory; (b) Strength of Materials Laboratory; (c) Fatigue Testing, Technical Dynamics and Vibration Laboratory; (d) Photo-Elasticity Laboratory; (e) Hydraulics Laboratory.

The above laboratories now provide modern facilities not only for undergraduate instructions but also for post-graduate study and research. Without going into details some modern facilities of the laboratories may be mentioned. The Strength of Materials Laboratory contains five Universal Testing Machines having different capacities ranging from 1,000 lbs. to 100 tons. In the field of strain measurement the laboratory has, in addition to various kinds of mechanical extensometer, electrical resistance strain gauges suitable for measurement of both static and dynamic strains. The Fatigue Testing laboratory is equipped with, in addi-

AN ELECTRICAL RESISTANCE STRAIN MEASURING EQUIPMENT—DYNAMIC STRAIN



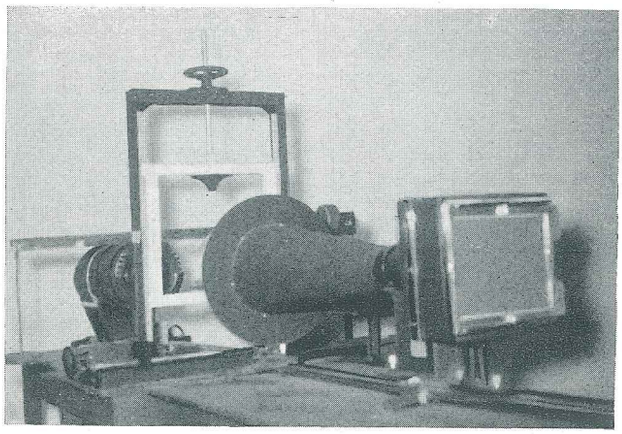


PHOTO ELASTIC EQUIPMENT

tion to other types of machines, a Pulsator machine which can test actual machine components under pulsating loads. Two Creep Testing Machines have been recently procured and are now being installed.

An ambitious expansion programme of the Hydraulics Laboratory is now in progress. The expansion programme has been designed by Dr. J. R. Villemonte and Dr. A. C. Ingersoll who joined the department as Guest Professors under the Sisterhood relationship between the Bengal Engineering College and University of Wisconsin. The new laboratory has been designed in two sections (a) Hydraulic Flow section and (b) Hydraulic Power, Transmission and Servomechanism section.

The department has been fortunate to get the services of Prof. Villemonte, again this year. Apart from getting services of technical personnel under the Sisterhood relationship, the department also received substantial help in the form of special equipment valuing approximately Rs. 50,000/-.

POST-GRADUATE STUDY

The department has been offering the following post-graduate courses for the degree of Master of Engineering: Advanced Hydraulics, Hydraulic Machines, Strength of Materials, Theory of Machines and Photo-Elasticity.

MATHEMATICS DEPARTMENT

The Department of Mathematics had its initiation simultaneously with that of the College in 1856, and since then it is entrusted with the training in the basic Mathematics, theoretical Mechanics and Mathematical Physics required for the students in all the branches of Engineering. The curriculum and its proportionate weightage on the total load has changed considerably during the past century. Uptil 1893 the minimum qualification for admission to the Engineer's course was the passing of the Matriculation Examination and as such instructions had to be given also in subjects like Algebra, Trigonometry and Geometry of Conics which now forms part of intermediate course of the Calcutta University. With the introduction of revised course this was discontinued from the year 1894. Since then Mathematics continued to be a compulsory subject up to third year class for all the branches and also up to the fourth year class for the students of Electrical Engineering till the year 1945, when the syllabus now in force was introduced in which Mathematics forms smaller portion of the total course and is a compulsory subject only up to the second year; except for the Electrical Engineering students who continue up to the third year. Major portion of Theoretical mechanics including Hydro-mechanics which was in the course till 1945 was discontinued and a small portion of it is now given as an additional course which may be taken by the students of all the branches in their fourth year class. From 1956 post-graduate classes in Electrical Engineering are also being taken on advanced Mathematics.

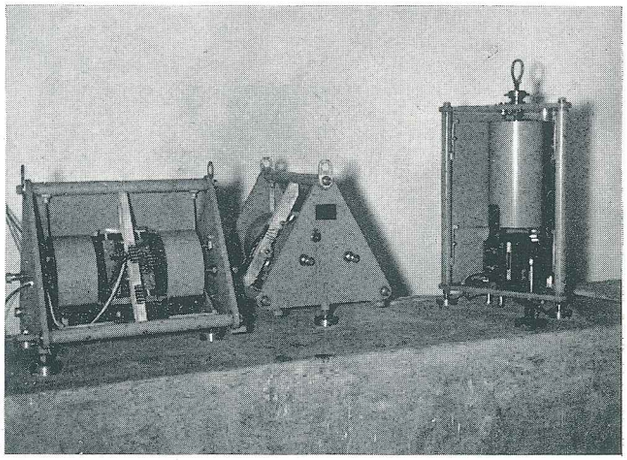
CO-OPERATIION WITH OTHER LEARNED INSTITUTIONS

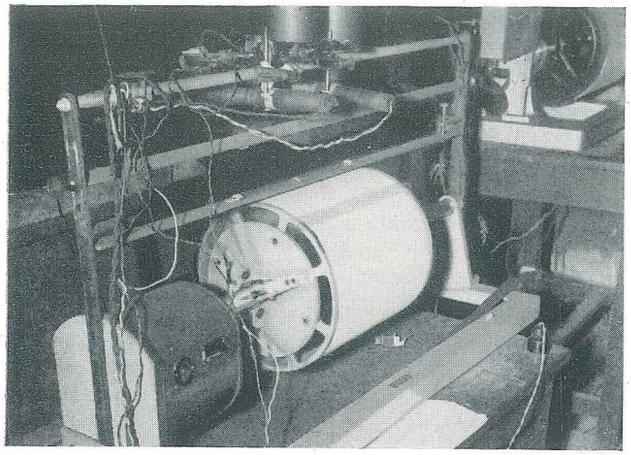
Geophysical data recorded and analysed at the Geophysical Laboratory are regularly supplied to the California Institute of Technology and the U.S. Coast and Geodetic Survey on an exchange basis.

This Department has been selected as one of the few Indian Observatories, for the supply of Cosmic ray data during the International Geophysical year (1957-58). The records are being taken by equipments which were designed in the department and most of which was also fabricated nicely in the college Machine-shop.

Dr. S. K. Chakrabarty was elected President of the Mathematics Section of the Indian Science Congress

ELECTROMAGNETIC SIESMOMETER





HIGH SPEED RECORDER FOR MICROSIESMS
IN CYCLONIC DISTURBANCES

for the Session 1953-54 and presided over the Mathematics Section of the annual session of the Congress at Hyderabad in January, 1954.

Dr. Chakrabarty was the Chairman of the Cosmic Ray Research Committee of the Govt. of India during 1949-51. Prof. U. R. Burman is the Honorary Secretary of the Calcutta Mathematical Society since 1945.

The following members of the Department acted as Post-Graduate teachers of the University in the Departments noted against them.

Prof. J. M. Bose—Department of Applied Mathematics.

Prof. N. C. Ghosh—Department of Applied Mathematics.

Dr. S. R. Sen Gupta—Department of Applied Physics.

Dr. B. B. Sen—Department of Applied Mathematics.

Dr. S. K. Chakrabarty—Department of Applied Mathematics.

Prof. U. R. Burman—Department of Applied Mathematics.

PHYSICS DEPARTMENT

The Bengal Engineering College, born as the 'Calcutta College of Civil Engineering' in Writers' Buildings, Calcutta, was nurtured from its ninth year by the *Physics Department* of Presidency College up to 1879 A.D., the year when it was shifted to its present site.

The history of the Physics Department of the Bengal



COSMIC RAY IONIZATION CHAMBER

Engineering College is as old as the history of the college itself and can be divided into five major periods.

(1) *1856-1890*—Physics formed a major subject of study but did not form a separate department.

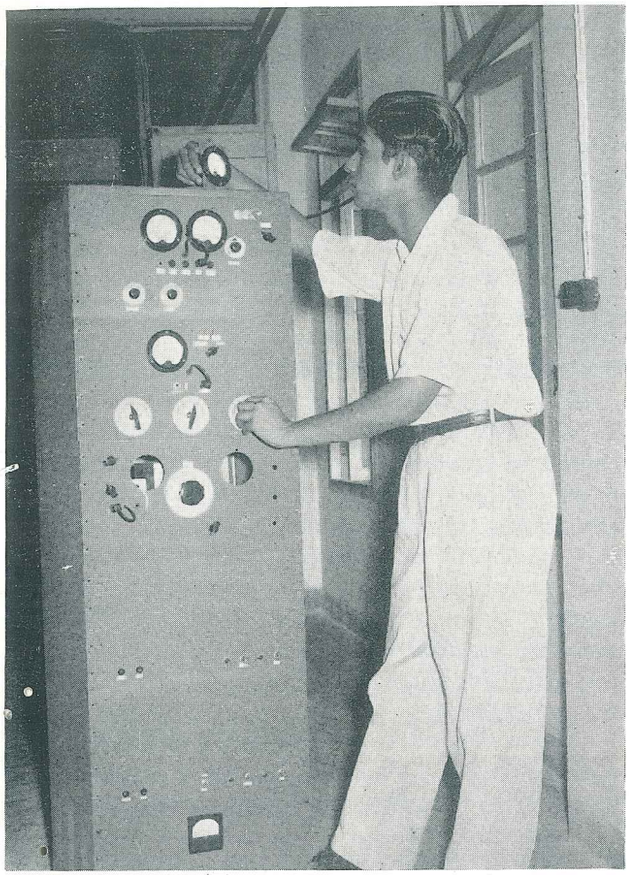
(2) *1890-1918*—Separate department was created for the subject and the department was headed by foreign Professors.

(3) *1918-1946*—The department was in charge of Indian Professors in the British regime.

(4) *1947-1949*—The department, along with other departments of the college was making preparations for expansion after Independence.

(5) *1949-1954*—The department made significant expansions in various ways and included the subjects of Communication and Electronics. This period has also been one of active research in Applied Physics and Electronics.

The Physics Department had no laboratory of its own up to 1896. From 1897 efforts were made to purchase equipment and increase the strength of the teaching staff on the subject and in 1899 the department consisted of one Professor (P. Brühl), one Assistant Professor (S. C. Bose), one Lecturer (R.W.F.



FREQUENCY MODULATED TRANSFORMER

Shaw), and one Assistant Lecturer (G. C. Bose). The college generated electricity from its own electric power plant—one of the first in India—and lighted its first electric light in 1899. It is interesting to note in this connection that, in the same year, the Calcutta Electric Supply Corporation built its first power station (1,000 K.W.) at Emambagh Lane, Calcutta.

In December 1906, exhibit of a motor boat constructed in the Physics Laboratory, obtained a gold medal in the Calcutta Industrial Exhibition.

In 1918, there was a merger of the Physics Department with the Mathematics Department and Prof. Tate was the common Professor. This continued up to 1933.

Attempts were made to carry on research in Physics in this college but the results were not encouraging until after 1949 when Dr. H. Rakshit came as Head of the Department of Physics and Communication. Dr. Rakshit's stay in the Department coincided with the period of the First Five Year Development Programme which brought facilities for post-graduate study and research in the Bengal Engineering College. Many electronic apparatus have since been designed and constructed in this Department and considerable advance has been made on the following problems of research :

(1) The performance of three-phase R-C Coupled Oscillators and their use in wide band of frequency modulation.

(2) Design and Construction of a sensitive electronic torquemeter.

(3) The performance of magnetic amplifiers.

(4) Development of a new technique for accurate measurement of the heights of ionospheric layers—the ionized layers of the upper atmosphere guiding radio waves round the earth. An accuracy of high degree has been attained with an apparatus designed and constructed in this laboratory.

(5) Studies on Supercooling and the liquid State.

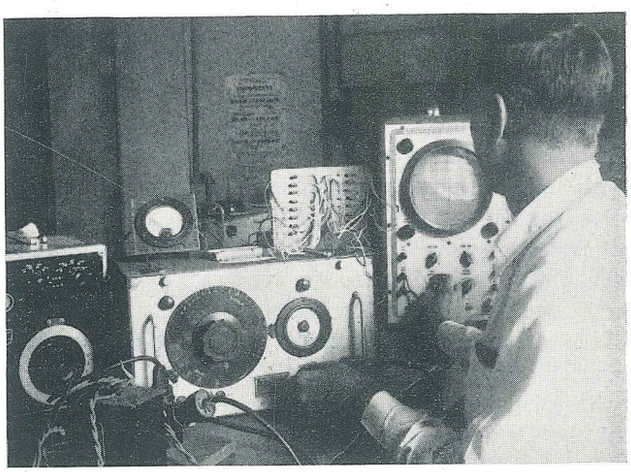
(6) Studies on ultra-high frequency propagation.

Because of the rapidly increasing importance of Telecommunication and our Country's demand for qualified engineers in this line, the college is opening a Separate Department of 'Communication Engineering' during the Second Five Year Programme utilizing most of the equipment of the Department of Physics and Communication. This Department of Communication Engineering will be equipped with facilities for post-graduate study and research in Telecommunication and will also contribute much to the field of original research.

HUMANITIES DEPARTMENT

In keeping with the modern trend in engineering education in advanced countries of the West, which

INVESTIGATING TIME DIVISION MULTIPLEX TELEPHONE SYSTEM IN PHYSICS LABORATORY



wants the engineer not to be a mere expert capable of handling particular technical jobs, but a leader and worker functioning against a broad social background, frontiers of technological education at various colleges and Universities in India have been widened in recent years by the inclusion of a liberal provision for general education. A beginning in the same direction was made at the Bengal Engineering College, Sibpur, in the year 1945 when a new Department of Humanities was opened with provision for instruction in Civics, Sociology, Industrial Relations, Economics and Accounts, besides a refresher course in English composition and a course in general knowledge. All these became compulsory subjects for all branches of study in engineering comprising Civil Engineering, Mechanical Engineering, Electrical Engineering and Metallurgy. When in 1949 the College opened an Architecture Department, the Humanities were included in the curriculum of studies for the Architecture students also, though not to the same extent as in the case of the Engineering students. In 1951, teaching of Hindi as an optional non-examination subject was introduced, and provision has been made for the starting of German classes on the same basis from the current year. Government have sanctioned the appointment of a part-time lecturer in German, and classes will be started as soon as the new incumbent joins his duties. It may also be mentioned that arrangements are being made for the introduction of facilities for instruction in public speaking at the Department from the current year, and as soon as the necessary equipments are received, viz. a magnetic tape recorder and a linguaphone set, which are being ordered, a course in public speaking as a non-examination subject will be included among the activities of the Department.

Past and Present Teachers: The Department has been well served by the teachers who have from time to time been in charge of its instructional courses. It is interesting to note that even before the Dept. of Humanities as such came into existence in a formal way, the College had a lecture course in Accounts as far back as 1924 with Mr. G. Basu in charge of the course as a Visiting Lecturer.

The first whole-time teachers of the Dept. were Sri M. K. Chatterjee who joined the College in February, 1946, as a lecturer in English and was in charge of the Department until August, 1949 and Sri N. K. Choudhury who joined in March, 1946 as the first whole-time lecturer in Economics and was in the College until August, 1947. The first whole-time teacher in Accounts is Sri P. N. Mukherjee who joined in 1950 and the first teacher in Hindi is Sri T. N. Agarwala who joined in 1951. Dr. B. Dhar, the present Head of the Department, has been in charge since the 1st August, 1949, when he joined this institution.

TRAINING & PLACEMENT DEPARTMENT

Early History

The history of the Department of Training & Placement is only eight years old, although the Committee set up in 1945 by the then Government of Bengal for the development of B. E. College and Ahsanullah College of Engineering in Dacca recommended starting this Department in 1946.

The main purpose of this Department is to act as a liaison between the industries and the College. Technical knowledge is incomplete without practical experience to supplement theoretical knowledge given in the College. In the College workshops the students can have a very limited training on use of machines. But training in an industrial concern not only gives him knowledge on co-ordinated use of different machines in a wider scale, but also an opportunity to study the practical organisation and aspects of human relations. For this facility close touch with the industries is necessary.

Due to the close contact that has been established some of the industries are taking interest in utilising the facilities of College by sending technical problems for solution. This will not only benefit industries but also our teachers, research scholars and students in the long run.

The Department started on May 28, 1948, with Prof. S. C. Sen as the Head of the Department, who left in June, 1949, to join Delhi Polytechnic as Principal. Since then Prof. A. S. Sen has taken charge of the Department. The Department was composed of three Assistants to the Professor which has since been modified to two Assistants and one Stenographer.

Direct contact with the students is essential to help them to choose their branch of specialisation after graduation for employment. This Department keeps as much contact with the students as is possible both in the College and after graduation.

Since 1950, the number of graduates placed for training in different branches of Engineering has been as follows:—

1950— 74 (out of 89 graduates).
1951—110 (out of 114 graduates).
1952—108 (out of 117 graduates).
1953—139 (out of 150 graduates).
1954—122 (out of 139 graduates).
1955—102 (out of 118 graduates).
1956—113 (provisional-November results awaited).

The discrepancy between the number of students, graduated and those placed for training, is primarily due to the State nominees, who go back to their States after graduation.

Employment position has improved considerably and industries often send enquiries for suitable Engineers. There are now B. E. College trained Engineers practically in all large industries.

This centenary year may be the beginning of another era of still more co-operation between the Technical Institutions and industries for improvement of standard of studies, research and thereby development of industries.

TRUST FUNDS

FORBES MEMORIAL SCHOLARSHIP FUND, 1908

Administrator—Principal, B. E. College

History.—The fund has been formally created in terms of Government of Bengal, General Department, Education Branch, Notification No. 6075 dated 19th November 1908 and with the securities purchased with the money made over in the year 1857 to the then Principal, Civil Engineering College, Calcutta, by the Committee of the Forbes Memorial Fund for the purpose of creating a scholarship in that College in memory of Major General Forbes of the Bengal Engineers, late Master of the Calcutta Mint. The original corpus of the fund viz. Rs. 7,000/- was subsequently augmented to Rs. 7,500/- in 1946. The following are the rules for the management of the Fund.

1. The endowment shall be called, in memory of the late Major General Forbes, of the Royal Engineerings, "The Forbes Memorial Scholarship Fund," and its object is and shall be the establishment and maintenance of a scholarship of Rs. 10/- per mensem, to be called "The Forbes Scholarship," tenable for two years and awardable every year to the student of the Civil Engineering College, Shibpur (hereinafter called the said College), who, of the students of the said College candidates for the Intermediate Examination in Engineering (now B. E. Part I. Examination) to be held every year at the Calcutta University, shall at such examination obtain the highest aggregate number of marks, provided nevertheless and it is hereby declared that if in any year the student who under the provisions hereinbefore contained would be entitled to the scholarship aforesaid shall decline to accept or shall through any cause be or become incapable of accepting the same, the scholarship shall be awarded to the student of the said College who shall, on the result of the aforesaid examination, be next in order of merit and so on but provided that in no case shall the scholarship be awardable to any student who shall have failed to pass the said examination. In the event of two students of the said College obtaining an equal number of marks at any such examination as aforesaid and being both eligible for the scholarship, the Principal for the time being of the said College (hereinafter called the said Principal) shall, should both such students be desirous of accepting or be able to accept the same, award one scholarship of Rs. 5/- to each such students.

The monthly payments to be made to any recipient of a scholarship under this scheme shall cease upon the death of such student or upon his ceasing to attend the said College in accordance with the rules thereof.

2. The person to administer the property vested by the foregoing notification in the said Treasurer of Charitable Endowments shall be the Principal for the time being of the said College.

3. So much of the net income to be derived from the securities mentioned in the foregoing notification and schedule as may be necessary shall be paid by the said Treasurer of Charitable Endowments in whom such securities are vested by the said notification to the said Principal as such administrator of the property as aforesaid, and on receipt thereof the said Principal shall pay thereof the scholarship or scholarships hereinbefore mentioned in accordance with the provisions of this scheme. The surplus net income (if any) shall be applied at the discretion of the said Principal in defraying any necessary expenses connected with the trust or in increasing the value of the said scholarship or scholarships or in any other way consistent with the declared object of the endowment and shall be paid to the said Principal by the said Treasurer of Charitable Endowments as and when the same may be available and may be required by the said Principal for any of the purposes aforesaid.

4. The Lieutenant-Governor of Bengal (now Governor of West Bengal) shall have full power from time to time to alter the mode of ascertaining the recipients of the said scholarship or scholarships, the amount of the scholarship or scholarships, the conditions of tenure or the period for which the same shall be tenable.

5. The said Principal shall in books to be kept by him regularly enter or cause to be entered full and true accounts of all moneys received and paid by him under this scheme and shall submit to such public servant in such form and at such times as the Local Government may from time to time appoint and prescribe a copy of or abstract from such accounts and such returns in regard to any other matter connected with the administration of the property afore-

said as the Local Government may from time to time require.

The said Principal shall accumulate any surplus net income not applied under clause 3 and may hold such accumulations, with power to apply the same upon the said purposes at any subsequent time, but not to a greater extent than Rs. 1,000/- and if the accumulations shall exceed or be likely to exceed that amount the said Principal shall either remit to the said Treasurer such part thereof, not being less than Rs. 500/- at a time, as he shall think fit, to be invested by the Treasurer and added to the capital of the Fund, or the said Principal may himself invest any part of such accumulations in Government securities and make over and endorse such securities to the Treasurer for addition to the capital of the Fund. All such additions made or hereafter to be made shall henceforth be subject to the provisions of this scheme as now modified as if the same were part of the original Fund.

HEATON MEMORIAL FUND, 1935

Administrator—Principal, B. E. College

History.—In 1923, the members of the Governing Body of the Bengal Engineering College subscribed to a fund for the award of a gold medal known as the "Governing Body Medal", in memory of Mr. B. Heaton, late Principal of this College. The amount thus collected from the members of the Governing Body was Rs. 1,525/- and of this amount, the sum of Rs. 1,296-12-0 was invested in 3½ per cent Government Promissory Notes of Rs. 2,100/- (now augmented in the Government Papers of the face value of Rs. 2,600/-) and the balance was kept in deposit with the Postal Savings Bank. The fund was formally created in Government order No. 2382-Edn., dated 19th July, 1935 and the following are the rules and conditions which govern the award of the medal.

A medal and a prize of books worth Rs. 30/- should be awarded to the student who stands highest in the Project and Thesis (sessional) in the B. E. Part II (final-Civil) Examination subject to the ordinary College rules regarding the award of prizes and medals.

The medal and the prize will not be awarded, unless the Principal reports to the Governing Body that the student who stands first in the group has shown sufficient merit to deserve the award.

The Governing Body reserve the power to vary the conditions of award (including the size and value of the medal) any time and also to reconsider the marks to be taken account of, whenever any change is made in the schedule of marks at the final examination—G. O. No. 2382-Edn. dated 19th July, 1935.

"If at any time, the income of the fund is not sufficient to meet the cost of a gold medal, a silver-gilt medal may, at the discretion of the Governing Body, be awarded in its place vide Government order No. 1002 T. Edn. dated 23rd September, 1935."

TATE MEMORIAL FUND, 1935

Administrator—Principal, B. E. College.

History—This Fund was created in terms of Government order No. 4155-Edn. dated the 28th November, 1935 in memory of Mr. W. Tate, Professor of Chemistry of the College out of a fund raised by subscription among staff and students of the Bengal Engineering College with Rs. 600/-.

(1) One medal called the Tate Memorial Medal is awarded annually to a regular student of the Bengal Physics and Chemistry (Theory & Practice) in B. E. Part I Examination amongst the Civil Engineering students.

(2) One medal called the Tate Memorial Medal is awarded annually to a regular student of the Bengal Engineering College who secures the highest marks in Physics and Chemistry (Theory and Practice) in B. E. Part I. Examination amongst the M.E.,E.E., Met. E. and Min. E. students.

SLATER MEMORIAL FUND, 1935

Administrator—Principal, B. E. College.

(Created under Government order No. 4155-Edn., dated the 28th Nov., 1935)

History—This Fund was created in memory of Mr. Slater's Principalship out of a fund raised by subscription among staff and students of the Bengal Engineering College. The fund is now invested in 3% Government papers of the face value of Rs. 400/-.

A medal called the Slater Memorial Medal is awarded annually to a regular student of the Bengal Engineering College who secures highest marks in Applied Mechanics (Strength of Materials) and Structure and Design (Paper I) in the B. E. (Civil) final Examination.

SIR ASHUTOSH MOOKERJEE TRUST FUND, 1935

(Created in terms of G. O. No. 3097-Edn., dated 23.8.1932)

Administrator—Principal, B. E. College

1. *History*—An informal trust fund called the "Sir Ashutosh Mookerjee Trust Fund" was created with the sum of Rs. 1,079-13-9 only, raised by way of

subscriptions from amongst the members of the staff and the students of the Bengal Engineering College, Shibpore, Dist. Howrah, in 1924 to commemorate the memory of the late Sir Ashutosh Mookerjee.

2. The fund is administered and managed by a Committee consisting of the following:—

(i) The Principal, Bengal Engineering College, President (ex-officio).

(ii) The members of the teaching staff of the College to be nominated by the Principal, who will also appoint one of them to act as Secretary and Treasurer.

(iii) One student representative from each hostel to be elected by the students of the respective hostels.

3. The Committee of management is guided by the rules and condition as set forth below :—

(i) The Committee holds office for a term of one year and any vacancy which may occur in the Committee is filled by election.

(ii) Six members form a quorum.

4. Out of interest yielded by the capital, four prizes of books are awarded; (1) one to the successful candidate who secures the highest marks in Elective, Structures and Design II and Planning, Layout and Estimating in the B. E. Final (Civil); (2) one to the successful candidate who secures the highest marks in Elective, Heat Engines III, Heat Engines (Sessional) and Theory of Machines in B. E. Final (Mechanical); (3) one to the successful candidate who secures the highest marks in Elective, Electrical Machines (Paper), Switch gears and Instruments (Paper) and Transmission & Distribution of Electrical Power in B. E. final (Electrical), and (4) one to the successful candidate who secures the highest marks in Elective, Metallurgy of Iron & Steel, Metallography, Heat-treatment & Pyrometry (Paper) and Metallurgical analysis & Assaying (Paper) in the Final B. E. (Met. E.) examination. In each case the recipient must be a regular student of the College, and must not have spent more than one year in the final year class. A student of the College who fails to keep the requisite percentage of attendance and appears as a non-collegiate student is also eligible for the award. If two or more students qualify for the same award, prizes will be divided between them.

5. The Committee shall have power to withhold the award in any year.

6. Any surplus income shall be invested at the discretion of the Committee; when a sufficient amount has accummulated, it is added to the capital of the Fund.

7. With the sanction of Government the capital of Rs. 1,000/- (Rupees one thousand) is kept in fixed deposit with the West Bengal Provincial Co-operative Bank Ltd., Calcutta, and the balance in the Post Office Savings Bank account of the Fund; both the deposits are maintained over the signature of the President of the Committee of Management of the Fund.

THE BIMALA CHURN LAW FREE-STUDENTSHIP FUND, 1938

(Created in terms of G. O. No. 4192-Edn., dated 23rd July, 1938)

Administrator—Principal, Bengal Engineering College
History—

History—Dr. Bimala Churn Law, M.A., B.L., Ph.D., of 43, Kailas Bose Street, Calcutta, presented 3½ per cent Government Promissory Notes to the full value of Rs. 16,700/- for creating one free-studentship in the B. E. College. The donor endorsed the Government Promissory Notes in favour of the Manager, Reserve Bank of India, Calcutta, and deposited them with that officer. The above Promissory Notes were converted into 3% Government Securities of the same face value (Rs. 16,700/-) on 15th September, 1946 on the expiry of the term.

Conditions for award of the Free-studentship—

(1) The donor, his heir or heirs shall have the right to nominate one regular student in any of the six following departments viz., Civil Engineering, Mechanical Engineering, Electrical Engineering, Metallurgical Engineering, Architecture & D.T.R.P., of the Bengal Engineering College, Shibpur, Howrah, for the free-studentship from amongst the regular students who have been admitted into the College in the ordinary way. The Principal of the College shall forward to the donor, his heir or heirs a list of regular students so admitted for the award of the free-studentship. If in any year, none among the regular students so admitted is found deserving of the free-studentship, no nomination for the free-studentship should be made for the year, and the interest on the donation should continue to accumulate, and should be utilised in future in awarding two free-studentships, if the funds permit, subject to the approval of the donor, his heir or heirs. The Principal of the College should be the administrator of the fund who will draw interest on the corpus regularly, open a Postal Savings Bank a/c., deposit therein the interest and credit to Government

the amount payable by the holder of the free-studentship.

(2) The donor, his heir or heirs shall have the right to cancel the nomination of a candidate who has failed to pass any one of the examinations during his or her four years' course of study and to nominate a new candidate from amongst the regular students of the College who may be found deserving of such free-studentship. The free-studentship shall entitle the holder to exemption from payment of tuition fees and fees for boarding and lodging.

(3) This free-studentship should be named as "Bimala Churn Law Free-studentship" and is open to all students without any distinction of caste, creed and sex.

(4) The free-studentship will be awarded for one year in the first instance and will be continued unless for unsatisfactory progress or otherwise the concession is withdrawn. No fresh free-studentship will be awarded while one is in existence or until sufficient surplus is available for the creation of a second one. The holder of the free-studentship will be exempted from payment of tuition fee and charges for board and lodge to the extent of the amount available as income of the Fund.

(5) The Principal of the College shall furnish the donor, his heir or heirs with an annual report of the progress of study of the student concerned, and the donor, his heir or heirs shall intimate to the Principal his or their intention of allowing the candidate to continue to hold the free-studentship, if the progress report be found satisfactory. In the event of the progress report being found unsatisfactory, the right of the donor, his heir or heirs shall be limited to withdrawing the free-studentship and shall not extend to prohibiting the holder of the free-studentship from prosecuting his or her studies.

(6) This free-studentship should be published in the Calcutta Gazette.

MACDONALD PRIZE FUND

Administrator—Principal, Bengal Engineering College

History—Mr. A. Macdonald, M.A., B.Sc. of 115, Eastwood Mains Road, Clarkston, Glasgow, Scotland, kindly donated a sum of Rs. 3,700/- (Rs. 500/- in August, 1952, Rs. 800/- in September 1953, Rs. 800/- in April 1954 and Rs. 1,600/- in March 1955) for the purpose of awarding a prize of books to the best student residing in the Macdonald Hall. Out of this amount of Rs. 3,700/-, a sum of Rs. 200/- was spent for meeting the cost of prizes for 1953 and 1954, as desired by the donor. The balance of Rs. 3,500/- has been invested in Government papers.

Conditions for the award of Prize :—

The Prize should be awarded to a student residing in Macdonald Hall who is considered to be the best all-round student in the opinion of the College Council.

BENGAL ENGINEERING COLLEGE STUDENTS' AID FUND

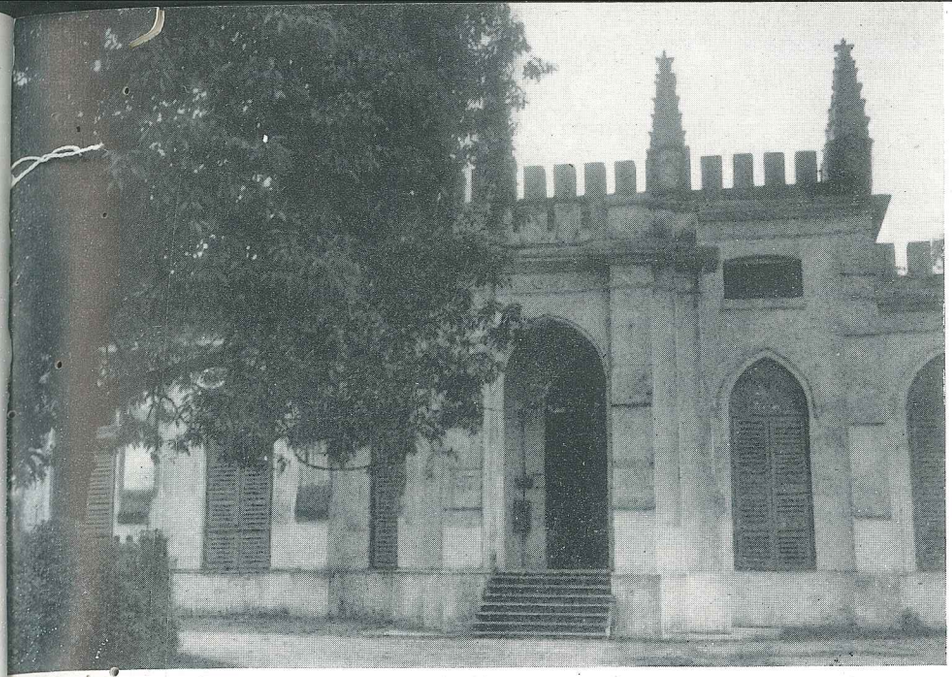
The Fund was created on 11th November, 1951 with a small amount of Rs. 162-12-0 raised by way of subscription from amongst the members of the staff under the initiative of Prof. Karunamay Ray, the then Professor of Civil Engineering, for the purpose of giving financial assistance in the form of interest-free loan to the poor and deserving students of the College, in case of need, subject to usual condition of satisfactory progress, good conduct and regular attendance. The purpose of the Fund is not charity, but to extend financial assistance to the deserving students on the basis of loan of honour. The loan is to be repayable in easy instalments to be decided on individual merit. The Fund is being gradually augmented by voluntary subscriptions from the members of the staff, students and the well-wishers of the College. The total at the credit of the Fund is Rs. 11,127-12-0 as on November 30, 1956, thanks to a generous donation of Rs. 5,000/- given by Messrs. Jessop & Co. The first loan was sanctioned on November 30, 1951.

COMMITTEE OF MANAGEMENT

In conformity with Government order No. 194 T-Edn., dated May 29, 1941, the Fund is administered by a Committee of management consisting of

1. Principal or a member of the staff nominated by him (Chairman).
2. A member of the teaching staff nominated by Principal.
3. President, Students' Union, B. E. College-Member (Ex-officio).
4. General Secretary, Students' Union, B. E. College (Ex-Officio).
5. Registrar, B. E. College—Secretary & Treasurer.

The loan is sanctioned by the Committee subject to the final approval of the Principal.



THE OLD LIBRARY

THE LIBRARY

The history of the Bengal Engineering College Library is tied up with the history of the parent institution. The growth of the Library and the growth of the College have not, however, always been on parallel lines.

The College was founded in November, 1856. The establishment sanctioned for the College on 31st October, 1856 mentioned a Librarian. It was in April, 1857 that a capital expenditure of Rs. 5,000/- and some monthly "allowance" were sanctioned for one year for the Library. By July, 1858, the Library consisted of 1259 "works" in 621 "Volumes".

The growth of the Library during the next thirty years was rather slow. In 1890-91 only 56 books—41 by purchase and 15 by gift—were acquired. The Librarian as a member of the College establishment had other duties to perform, besides taking care of books. In 1903-04 the post of the Librarian was separated from the duties of the Superintendent of Hindu Students' Mess and given to the Gymnastic Instructor, in order to ensure the opening of the Library at hours convenient to students. Recataloguing was a crying need and some members of the teaching staff, following the lead given by Professor Macdonald in the late nineties, helped preparation of a new catalogue. Dr. Cullis and Professor Turner, both of Physics-Mathematics Department, deserve special mention in this connection.

The printing of the new catalogue in 1904-05 marked the beginning of a period of intense and fruitful activity in the Library. In 1905-06 the Government was pleased to raise the annual Library grant to Rs. 2,000/-. The number of books in the Library at the end of the year was 5,446. The efficiency of the pruned and trimmed book collection was further enhanced by the Library's moving in 1906-07 to the commodious old Engineering Department Drawing Hall which had been lying almost unutilized since the removal of the College to the Calcutta Workshops Buildings. In the same year an additional grant of Rs. 500/- for Journals was received.

In 1907-08 a proposal was made by the Government that the supply of all scientific and other periodicals should be stopped. It is heartening to recall that the then Principal, Mr. Heaton, strongly supported the Library on this issue and succeeded in persuading the Government not only to withdraw the retrograde proposal, but to consider several other needs of the Library sympathetically.

In 1912-13, the Library decided to adopt a new system of book classification—the now famous Dewey's Decimal Classification System—which had then become widely popular in U.K. and U.S.A. It was a wise step, but it meant undoing in part the good work that had been done under the initiative of Dr. Cullis and Professor Turner only a decade ago. The Librarian was now a wholetime worker, but the task of renumbering books and preparing relevant Index Cards being heavy a temporary clerk was appointed to assist the Librarian. By 1915-16, the total number of books was a little under 10,000, and a justifiable pride was felt in the achievement of the Library.

Subsequently for thirty long years there was practically no change in operational methods, personnel and space. This relative inactivity, on the part of the Library was difficult to explain, because the period was one of steady expansion for the College and witnessed the Institution of degree courses in three major branches of Engineering namely, M. E., E. E., and Met. E. The year 1946-47 marks the close

of this unhappy chapter of Library history; in that year the Library acquired 221 books—197 by purchase and 24 by gift—and subscribed to 31 periodicals, the total number of books and total circulation being 15,144 and 7,344 respectively. One fortunate circumstance during this period was the steady flow of books as gift; about as many books were received as gift as were purchased with the Library's funds.

A new chapter opened with the provision of additional staff and funds under the plans for post-war development of the College. Additional space was temporarily found in three adjoining rooms which had formerly been used as Staff Common Rooms. The Library was finally shifted to the third floor of the main building in September, 1951. A new Librarian and additional staff, as provided for in the "final plan" of the College, were appointed by 1952.

The progress of the Library since then has been remarkably rapid. In 1955-56, the Library spent Rs. 39,253/-, had a total collection of 24,761 volumes, added 1,580 books, and some 250 important Journals, attended to 120 requests for books per day and lent 16,115 volumes.

HOSPITAL

Ever since the inception of the College in 1880, at Sibpur, provision for medical aids to the students and staff of the College was afforded by the appointment of a resident Medical Officer of the rank of Asstt. Surgeon. The Civil Surgeon, Howrah, was in-charge of Health & Sanitation of the College. There was no provision for Hospital at the time and the necessity of a Hospital for accommodating patients was keenly felt when the College became strictly residential in 1889.

Sanction of a Hospital was obtained in the year 1891-92 and the work was started during that year. Dr. Dino Bandhu Dutt, Hony. Asstt. Surgeon to His Excellency the Viceroy, was the Medical Officer during the start of the Hospital which was opened for patients in February, 1893 in a structure existing at the site of the Eastern Block of present Downing Hostel.

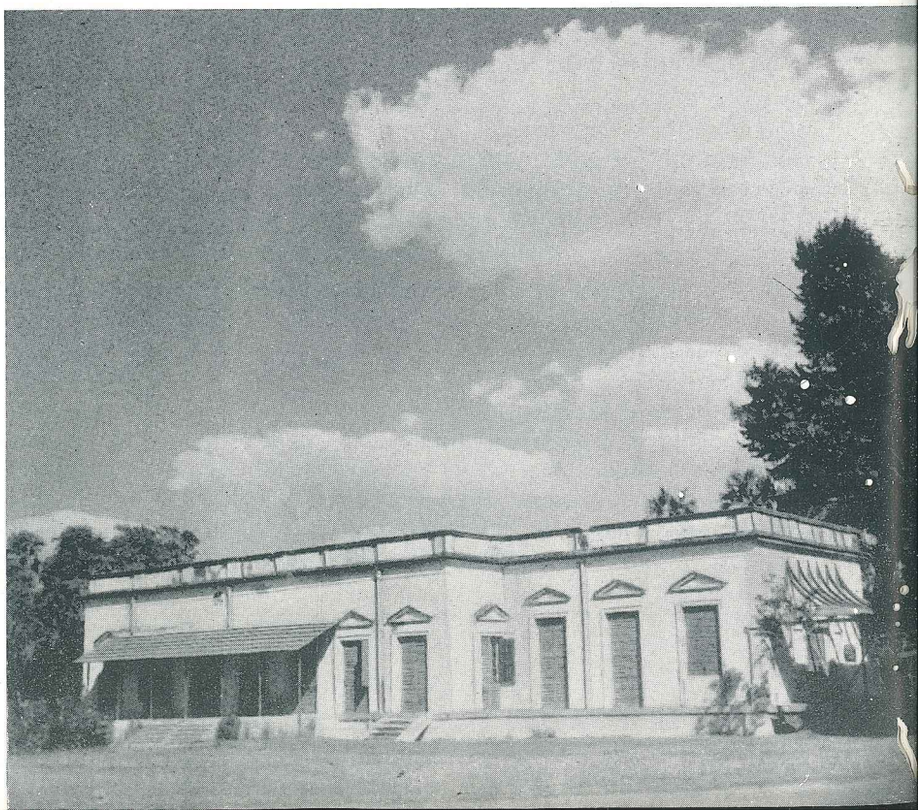
For several years the Hospital functioned in its original site. There was also provision for Isolation block for patients suffering from infectious diseases. This block was at that time located near the present water works and now serves as residential quarters of College staff.

The Hospital was subsequently shifted from Downing House site to the site where the kitchen block of the present Slater Hostel is situated to provide better accommodation to the in-patients. The out-patients' Dispensary was placed in the Octagonal block on the eastern side of the present Baby Slater.

For some years this arrangement of the hospital and dispensary continued till it was finally shifted to its present position.

Though minor cases were attended to in this hospital, serious cases used to be sent to Howrah General Hospital where the students used to stay in the now-defunct European Ward.

The Hospital at present functions with 15 indoor beds and with an attached pathological laboratory started in 1954. Nursing facilities have also been provided by appointment of two male nurses in the same year.



COLLEGE HOSPITAL

POLYTECHNIC

Technical Training Facilities under the Dispersal Scheme

The ever-increasing demand for trained technicians in industry offers an opportunity to our young men for earning a decent living through industrial occupations. To give them an opportunity to prepare for entering such vocations the Government of West Bengal under the Dispersal Scheme have opened technical training centres at various places in the State providing facilities for training in the trades in which employment opportunities exist in local industries. Sibpur Polytechnic operates as a part of this Scheme and is run under the guidance of a Governing Body. (*Vide* G.O. No. 137-Dis., dated 29.7.50.) The Polytechnic was started on 12.7.50.

Purpose of the institution—The purpose of the institution is to develop men who will be efficient workers in a trade and good citizens in a community. Youths are trained in the fundamental trade skill, knowledge, and aptitude that will enable them to enter occupational fields as advanced apprentices or learners.

Training is provided generally in two stages—the first stage being devoted to basic training, the second stage more directly connected with the branch of the trade for which the trainee shows special aptitude, ability and interest. Each trade has its related subject-matter classes where the technical elements of the trade are taught. In the shops the trainees actually work at the trades and this work is supplemented by a certain amount of theory, but emphasis is laid on practice.

Technical and manual education is supplemented by instruction in Social Sciences including Languages, Elementary Mathematics, General Science, Drawing and Blue Print Reading, and any other subjects deemed necessary to give the pupils a normal cultural background.

Trades—Training facilities are provided in the following trades :—

(1) Automobile mechanic ; (2) Blacksmith ; (3) Carpenter ; (4) Electrician ; (5) Electroplater ; (6) Fitter ; (7) I. C. Engine Mechanic ; (8) Laboratory Helper ; (9) Machinist ; (10) Mason ; (11) Moulder ; (12) Pattern-maker ; (13) Painter ; (14) Plumber ; (15) Radio Mechanic ; (16) Refrigeration Mechanic ; (17) Roneo-printer ; (18) Sheet-metal worker ; (19) Tool Maker ; (20) Tracer ; (21) Turner ; (22) Welder ; and in other trades in which employment may be found in local industries.

Duration of training—The duration of training is ordinarily one year. A little over three-fourths of the time is spent in shops and the rest in class-rooms.

Session—There are normally two sessions which commence on 1st July and 1st January each year.

AMTALA STATE WELFARE HOME ATTACHED TO THE BENGAL ENGINEERING COLLEGE, SIBPUR, HOWRAH

The Technical Training Scheme for 75 grown-up orphan boys of the Amtala State Welfare Homes under the Education Department, Govt. of West Bengal, was started in the Bengal Engineering College on June 21, 1951, in terms of G.O. No. 963-Misc., dated May 30, 1951.

The boys are housed in the State Welfare Home premises at Amtala, Howrah, about a mile from the College in charge of a resident Superintendent. The cost of their maintenance, such as food, clothing, recreation, etc. is entirely borne by the Education Department.

The period of training varies from 2 to 5 years. The inmates have their training in the following trades :—

Trades

1. Radio Mechanism.
2. Roneoprinting.
3. Electroplating.
4. Masonry.
5. Painting.
6. Welding.
7. Tin Smithy.
8. Turning.
9. Automobile Mechanism.
10. Electric.
11. I.C. Engine Mechanism.
12. Fitting.
13. Blacksmithy.
14. Carpentry.
15. Moulding.
16. Machinist.
17. Plumbing.

Regarding extra curricula activities the State Welfare Home boys take their due share in the dramatic performances. They also join in the sports functions along with the trainees of the Sibpur Polytechnic. A Junior Division of N.C.C. Troop with 33 cadets was raised in the Home in March, 1954, under the command of the 1st Bengal Battalion N.C.C. The troop is running most satisfactorily. They won first prize in the joint parade with other Home and school troops at Darjeeling Annual Camp held in October, 1954, and the best troop Trophy at Chittaranjan Annual Camp in October, 1956. The boys maintain excellent health.

ARTISAN APPRENTICES AT BENGAL ENGINEERING COLLEGE WORKSHOPS

The Scheme was sanctioned in 1908 as per Bengal Government letter No. 4273 dated 8.9.1908, and the Rules were amended in 1937 as per Govt. Order No. 2413-Edn., dated 24.7.37 and further amended by Govt. Memorandum No. 2592-Edn., dated 13.12.41.

The general rules were as follows :—

1. Boys (preferably the sons of workmen) would be admitted for apprenticeship training in any of the following trades in the workshops : (1) Carpentry, (2) Blacksmithy, (3) Fitting, (4) Turning, (5) Pattern making, (6) Foundry, (7) Electrical repair.

   (In course of years some more Trades *viz.*, Water Works, Power House, Automobiles etc. were introduced.)

2. Admission may be made at any time during the year at the discretion of the Principal.

3. No Educational qualifications are necessary for admission to those classes.

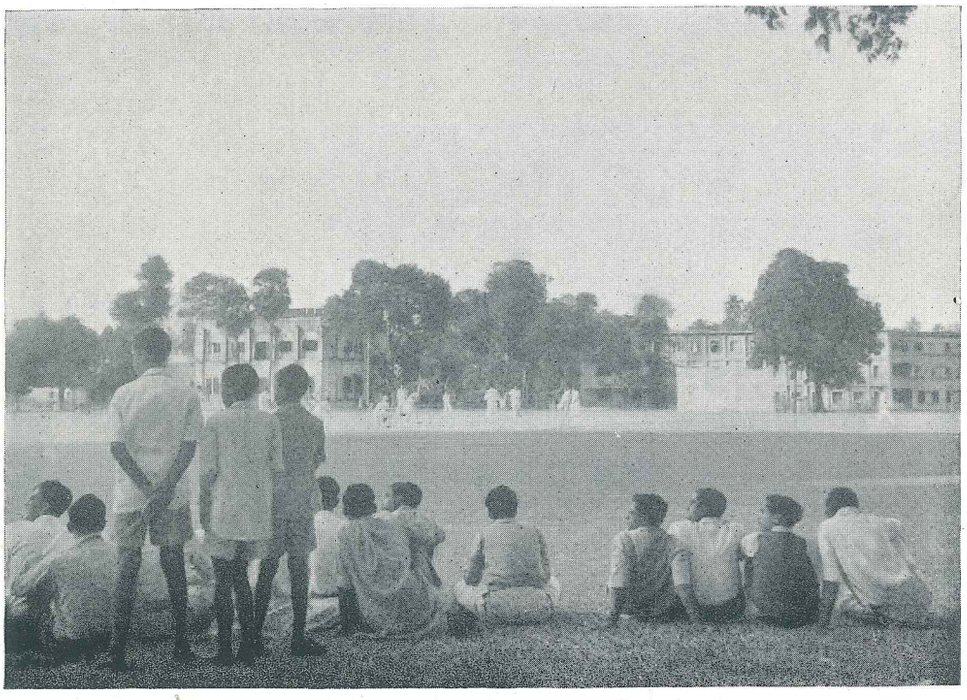
4. Boys may be admitted on attaining the age of 14 years. There is at present no superior limit of age.

5. No residential accommodation is available, but arrangements can be made for a mid-day meal on payment.....

6. At the discretion of the Principal, apprentices may be paid stipends from Rs. 2/- to Rs. 5/- a month according to their skill. In addition, they would be credited with one-half of the value of their earnings, which would be paid only upon the satisfactory completion of training. If the apprentice leaves before completing the course to the satisfaction of the Principal, he would forfeit the whole of the money standing at his credit.
   (The maximum annual expenditure on stipends and half-earning should not exceed Rs. 1,200/- in any one year.)

7. On leaving after complete training, trained apprentices would receive a certificate stating the trade in which they have become proficient. As regards leave, discipline etc. they are governed by rules and regulations. Every year a number of students are awarded prizes for encouragement. In 1955 a separate proposal for the entire scheme had been submitted to Government which is still under consideration of the Government.

RELAXATION



MILITARY TRAINING



C.U.T.C.:

There were two Platoons of C.U.T.C. attached to this College and their achievements in late twenties was remarkable. Under the keen and earnest activities in the lines of militarism of Commanders Lt. B. C. Gupta and Lt. A. C. Chakravarty, the College Unit was the smartest unit in the whole corps during the annual camp held in 1928.

It is gratifying to note that the trophies for football, hockey and basketball were all owned by the Sibpurities in the camps. To add feather to our cap Mr. Sudhir Kumar Banerjee won the Satish Ch. Ghosh's Silver Medal awarded by the Calcutta University on his standing first in the annual shooting competition.

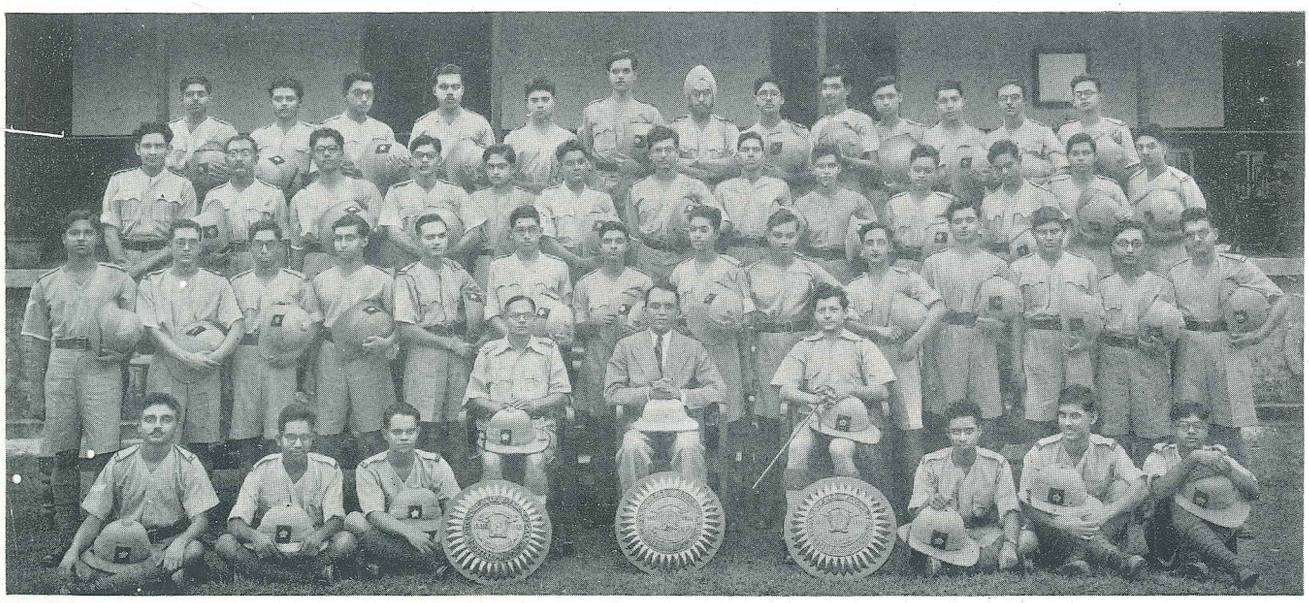
In 1931 Lt. B. C. Gupta left for the Dacca Engineering School. The College Platoon is greatly indebted to Lt. Gupta whom an old Sibpurite describes as "a stern disciplinarian and a social genius".

During the tenure of Lieutenant Chakravarty, the College U.T.C. recouped its reputation in 1934. The College came to the forefront in camps in all spheres of activities.

The unfailing energy and vigour of Lt. Chakravarty had at last been rewarded by the formation of a sound training corps in our College.

In 1937 the Platoon got the advantage of having a miniature range in the College Compound and had quite good practices at firing at their own fully equipped miniature range and also practised marching with drums in the College Compound. In an interplatoon musketry competition in C.U.T.C. B.E. College stood first this year and the subsequent two years thus acquiring a unique distinction of having won a shield from the very first year of its existence.

INTER PLATOON MUSKETRY COMPETITION CHAMPION 1937 TO 1939 D. COY. B.E.C. PLATOON



CAPT. H. C. CHAKRABORTY | DR. A. H. PANDYA | LT. A. M. AHMED

In 1930-39 the U.T.C. Camp was held at Ranchi during the Pujahs. The Cadets got the training in the use of gas masks and, as a result, the Cadets had gas mask drill in the College Parade ground. In the annual musketry course held at Belghurriah, Mr. Ardhendu Chatterjee figured conspicuously having scored maximum number of points. Mr. K. P. Chatterji also of our College came next. Mr. K. D. Dey of our College stood first in Part IV of the musketry course.

In 1940-41 this Platoon had figured conspicuously in different spheres of activities. In the University Junior Military Certificate Examination seven appeared from this unit and all of them were successful, four having obtained honours. This year the unit lost the service of Capt. Chakravarty on his being transferred to Presidency College and Lt. A. M. Ahmed took charge of the unit. This year as a war measure shooting practices were stopped and Platoon strength was also decreased very much as there was not any enrolment of freshers.

After Lt. Ahmed left, the platoons were under the able guidance of Mr. Nadiruzzaman and then of Mr. A. K. Ghosh, both of the mechanical engineering department.

4TH BENGAL ENGINEERING PLATOON N.C.C.

In the wake of the NCC act this unit came into being in July, 1948. In the initial stages the arduous job of laying the foundations of this unit fell in the lot of Capt. now Maj. Peters. He had the unique distinction to be its first Officer Commanding.

Major Peters by dint of his sustained efforts put the unit on firm footing. To start with we had 60 cadets on the rolls. The first annual training camp was held with the 2nd Coastal Battery at Diamond Harbour under his able guidance. Imagine how thrilling must it have been for the cadets to be given the honour of presenting a guard of honour to the Chief Minister Dr. B. C. Roy and to G.O.C. 20 Inf. Div. then Maj. Gen. Lakhindar Singh. During this camp the cadets also put up an aerial ropeway and studied its various uses in the field. Capt. Peters was then succeeded by Capt. Gulati. Partly because NCC was a new set up and partly because it was the first Command for Capt. Gulati, he evinced great enthusiasm and interest in stablizing this unit further.

It was during his time that the first examination in Bengal for Certificate "B" was held. To have 9 candidates out of 12 successful was a remarkable achievement on the part of both the Officer Commanding and the cadets, especially taking into consideration the gradual building up of the tempo

4 BENGAL ENGINEERING PLATOON N.C.C.

joined the annual training camp during Puja Vacation held at Allahabad under the patronage of HQ 625 Army Troop Engineers.

The command was later assumed by Capt. Nabh Kumar and then by Capt. S. K. Mayer in quick succession. Finally in 1951 Capt. U. P. Misra took over the command of this unit. From the College staff Dr. S. K. Mukherjee joined the unit as 2/Lt. NCC.

Capt. U. P. Misra commanded this unit for the longest period so far i.e. for 3½ years. He was succeeded by Capt. D. B. Chopra in December 1954. Mr. B. K. Dutt was commissioned in Nov. 1954 as 2/Lt. to be the NCC Officer.

It is advantageous for the 1st and 2nd year students to enrol in the NCC to be able to put in maximum of 3 years in the NCC, after which they can obtain the highest proficiency certificate i.e. Certificate "C".

The present strength of the unit is 118 cadets on rolls and by the time we go on annual training camp to Poona this year, the strength is likely to shoot even beyond the authorised establishment i.e. 120.

Apart from imparting the military training including the technical training, we have several activities to instil enthusiasm amongst the cadets. The major ones are—

(*a*) Social Service Camp
(*b*) Annual Training Camp
(*c*) Instructional Tours
(*d*) Celebration of Annual Day both the NCC and the Unit.
(*e*) Certificate Examination
(*f*) Flag Day Collections

On the 24th September, 1956 this unit celebrated its annual day for the first time in its brief history. The occasion was highlighted with the distribution of about 20 prizes to the best cadets of the previous year.

4TH BENGAL EME SEC NCC

This Unit was raised in June, 1949. Two members of the teaching staff—Lt. A. K. Majumdar and Lt. P. K. Das were commissioned in NCC in Sep., 1949 after undergoing a precommissioned training for 20 weeks at EME Centre Jalahalli, Bangalore and at EME School, Kirkee. Since then they have been acting as NCC officers of this Unit. The Unit started functioning with one Regular Army Officer, two NCC officers, one JCO, two NCO's, one civilian clerk, two laskars, one peon, one driver and one cleaner. The authorised strength of 60 Cadets was on roll then.

The recruitment of the first batch of Cadets were done under the personal supervision of Col. F. C. Foreman REME the then ADME of Bengal, Bihar and Orissa Area. In 1955 the strength of the cadets of this unit has been increased from 60 to 120.

Training started in November 1949. Cadets are given general Military training and technical training in Citizenship, Elementary first aid, Sanitation and Hygiene, Social Service and Public Speaking and Map Reading.

After the completion of two years' training the Cadets are eligible for 'B' Certificate Examination and after successful completion of 3 years' they become eligible for 'C' Certificate Examination.

N.C.C. Cadets have to attend two camps in a year-(*a*) Annual Training Camp, (*b*) Social Service Camp.

ANNUAL CAMP

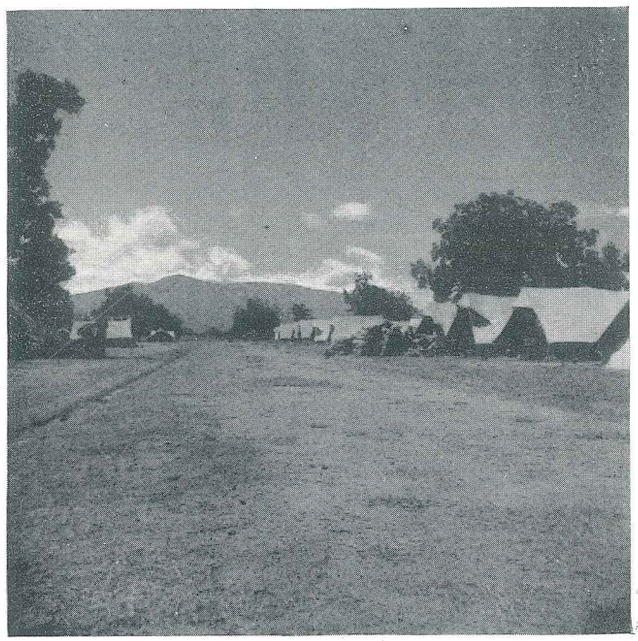
Annual training camp is held once a year generally during the Puja Vacation. During the camp period the Cadets have to follow a busy daily routine. The NCC annual camps are the best training ground for Cadets to have heavy Military training and to learn strict discipline.

The Cadets of this Unit attended the following Annual Training Camps:—

Place.		*Period of Stay.*
(i) RAMGARH	...	10 Oct. '50 to 25 Oct. '50.
(ii) ALLAHABAD	...	24 Dec. '51 to 9 Jan. '52.
(iii) AGRA	...	24 Dec. '52 to 9 Jan. '53.
(iv) KIRKEE, POONA	...	7 Jan. '54 to 21 Jan. '54.
(v) RAMGARH	...	7 Oct. '54 to 20 Oct. '54.
(vi) AGRA	...	8 Oct. '55 to 21 Oct. '55.
(vii) SECUNDERABAD	...	9 Oct. '56 to 22 Oct. '56.

SOCIAL SERVICE CAMP

Not only does the NCC impart military training in the interest of efficient defence of the country but it also dedicated to the service of the people through programmes for social welfare. The specific object of the social service camps, organised by National Cadet Corps are:—(*a*) to enable the Cadets to experience the dignity of labour and to arouse awareness in them of societies' problems and need for their solution, (*b*) to set up an example of selfless service and team-work worthy of further emulation and to give a lead in organised work with a view to utilising to the maximum possible extents the spare time, energy and other resources of the people. These camps are generally organised in community project areas.



RAMGARH CAMP (N.C.C.)—1954

The Cadets of this Unit attended the following Social Service Camps:—

Place.		*Project.*	*Period of attendance.*
(i) Durgapore	...	Digging a Canal at Durgapore under the Damodar Valley Project.	1953
(ii) Fulia		Construction of Embankment for irrigation channel under the West Bengal Community Project.	1954
(iii) Saktigarh	...	Construction of Road under West Bengal Community Project.	1955
(iv) Jadavpur ...	...	Digging of a swimming pool and erecting a Miniature Range in the compound of the College of Engineering and Technology, Jadavpur.	1956

PROCESSORS' COMMON ROOM

The Professors' Common Room was organised as soon as the College was shifted to its present site in 1880. Situated at the present Athletic Club Building, the Common Room catered only for the Professors of various departments of the College, together with the senior members of various Jute Mills and Paint works far and near the College. Of several activities of the Common Room, a Language Class in Bengali conducted by Mrs. Wright, wife of a General Manager of Shalimar Paints need special mention. Apart from Billiard, Tennis and a monthly Ball-room dance at the Assembly Hall, the Common Room had a Golf-section, which was the centre of attraction to its more than two hundred members. With the fencing near the activated sludge plant as its Western Boundary, the golf course extended upto the road to the main College Buildings, in the west, whereas the northern and the southern limits were respectively Maharani Sharnamayee Road and the pond near the smith shop. It was in the year 1924-25 that a sudden calamity overtook the Common Room and the golf-section had to be abandoned. A prominent member of the Common Room while searching for a golf ball near the activated sludge plant came unknowingly in contact with a live electric wire and was electrocuted. With golf removed from the activities of the Common Room, its membership dropped steadily till only the Professors and their wives were on the roll.

In 1949, an unanimous resolution opened the door of the Common Room to all gazetted staff members of the College and their wives. At present, there are about fifty members of the Club. Apart from an excellent Billiard Table, the Common Room has at its disposal one Hard Court and two lawn Tennis Courts. Badminton, Table-tennis and cards are other games organised by the Common Room. The Common Room has a reading section which contributes to a large number of Indian and foreign journals and has a well organised library which has been formed by the benevolent contribution of its members.

NAMES OF PRESIDENTS

Principal	S. F. Downing	(1880-1891)
„	J. S. Slater	(1892-1893)
„	B. Heaton	(1894-1921)
„	T. H. Richardson ...	(1922-1927)
„	A. Macdonald	(1928-1935)
„	R. Wolfenden	(1936-1938)
„	A. H. Pandya	(1939-1942)
„	C. V. Millar	(1943-1944)
„	N. N. Sen	(1945-1948)
„	S. R. Sen Gupta ...	(1949-1953)
„	R. G. P. S. Fairbairn ...	(1954-1955)
„	A. C. Roy	(1956)

STAFF COMMON ROOM

As far as it could be gathered it appears that a room was provided, in the year 1917, as a Waiting Room for the Teachers. The same year the teachers thought of the feasibility of starting a Club for the Indian members of the Staff of the College. The year, 1917, may be taken as the year of establishment of the Staff Common Room although it was established formally in 1926.

The rules and byelaws were framed by Principal Macdonald in 1927. Under these rules, all the members of the staff became eligible for membership. Members were classified (a) ordinary-College Staff, (b) visiting—officers of the neighbouring Government Offices and (c) Honorary members-Ex-College Staff. A Committee consisting of the Vice-President, the Hony. Secretary and Treasurer and three ordinary Members was entrusted with the management of the Club. They were elected by ballot at the Annual General Meetings. The Principal was the Ex-Officio President of the Common Room till 1951. Since 1952, the President of the Club is also elected by Ballot and at present the total number of Committee members is six.

The Common Room provided facilities for indoor games like Carrom, Chess, Cards, 'Pasha', Table Tennis etc. and the Tennis section of the club was very active and was attached to the Common Room upto January 1951 when it was separated and attached to the Professors' Common Room. In addition to these there was a music section also.

In 1934, under the request of Mrs. Macdonald, the Managing Committee agreed to lend the Staff Common Room, thrice a week, for ladies, resident within the College Campus. The members of the Common Room were also invited in the 'Social' organised by the Ladies Section. Mrs. J. M. Bose was the First Secretary of the Ladies Section. Subsequently Mrs. S. C. Roy organised the Ladies Section for some time. After the departure of Mrs. Macdonald, however, the Ladies Section ceased to function.

The name of the Club was changed from the "Indian Staff Common Room" to "Staff Common Room, B. E. College" in 1933.

The members of the Common Room had all-round activities in social and benevolent work. During the World War II, an emergency store was opened at the College, named, "B. E. College Emergency Stores" under the able guidance of the then Principal late Dr. A. H. Pandya with Shri A. K. Das as Secretary.**

At present the Staff Common Room offers enough facilities for indoor games and a number of additions

to the existing amenities have been made. The Library Section has undergone appreciable expansion and at present about 1,200 volumes are in circulation amongst the members.

During recent years there have been some variety entertainments, dramas and film shows. Since 1955, tournaments in different indoor games have been organised to promote competitive spirit and to better the standard of the games.

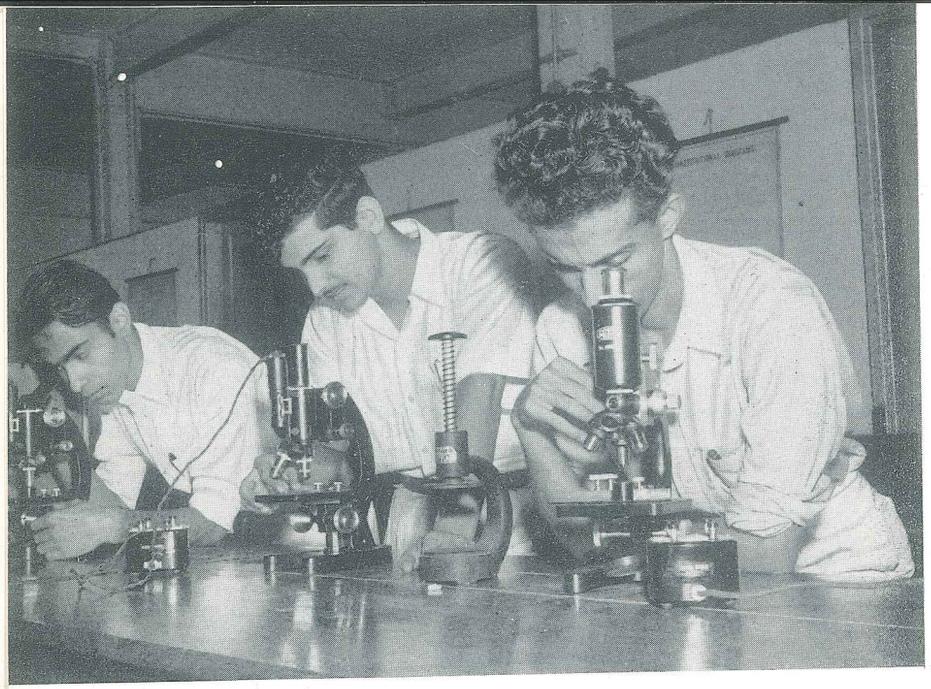
LIST OF PRESIDENTS

Till 1950-51 the Principals were the Ex-officio Presidents.

1951-52	...	Prof. A. S. Sen
1952-53	...	Shri B. N. Banerjee (Retired on 2.7.52) & Prof. A. K. Dey
1953-54	...	Prof. K. C. Ray
1954-55	...	Prof. R. G. P. S. Fairbairn
1955-56	...	Dr. S. K. Chakravarty
1956—	...	Dr. G. P. Chatterjee

LIST OF SECRETARIES

1927-33	...	Late Prof. P. C. Ganguly
1933-34	..	Shri B. N. Banerjee
1934-35	...	Shri H. C. Sen
1935-36	...	Prof. A. M. Ahmed
1936-43	...	Prof. A. K. Dass
1943-44	...	Shri M. K. Mondal
1944-51	...	Prof. N. C. Bose
1951-52	...	Shri A. N. Dutta
1952-54	...	Shri S. C. Ganguly
1954-55	...	Shri A. N. Dutta
1955-56	...	Shri S. K. Sen Gupta
1956—	...	Shri N. Das Gupta.



Research Activities

Available records do not show any systematic or connected history of research work in this College during the period 1856 to 1900. No specific record is again available for the period 1915 to 1947. With the implementation of the recommendations of the Reorganisation Committee with regard to staff, equipment and the facilities and the financial assistance received from the Council of Scientific and Industrial Research, the Atomic Energy Commission, Government of India, considerable research work has been done during the period 1948-1956 and is being pursued with great zeal and enthusiasm in different branches of Science and Engineering. It is proposed therefore to enumerate briefly the research activities of the College during the periods (1) 1901-1914 and (2) 1948-1956.

RESEARCH ACTIVITIES DURING 1901—1914

The record of research in this College started in 1901 when Shri Upendra Nath Kar, a B. E. student was awarded the Elliot Research Scholarship of Rs. 100/- per month, tenable for one year, to enable him to prosecute his studies and investigations in the region of Electricity and Magnetism with special reference to Electrical Engineering, at the laboratories of this College. Research tests on Indian timbers were undertaken in this College. 400 specimens of timber were collected for this purpose through the Forest Dept. of the Government in 1902-1903. A certain amount of cement testing was also taken up. The research test on timbers was continued upto the year 1906-1907, when the results were published in the form of Forest Bulletin. Observations on dewfall were taken up in 1908-1909 and some amount of work was done in connection with the proposal for choosing a standard temperature for the tropics and to work out tables for the use of physicians and chemists in India and other tropical countries. During the year 1910-11, a number of rock-slides were prepared and 65 specimens of Indian timbers were tested in the Laboratories of the College. During the next year a good deal of research work was initiated in the small physical laboratory and workshop. During the year 1912-13, systematic studies were made on some new methods of mordanting and dyeing. Various types of technical analysis (such as those of water, oil, butter, soap, sugar, tannins, colouring matter, opium etc.) were taken up in the Industrial Chemistry Laboratory. A paper on "A rapid method of estimating Sodium Sulphide in a standing bath of sulphide dye" was sent for publication in the journal of the Society of Dyers and Colourists. Some other investigations were undertaken with a view to work out some simplified methods of Turkey Red dyeing.

CIVIL ENGINEERING DEPARTMENT

Though independent and sporadic research activity by members of the staff in the Civil Engineering Department was not uncommon in the earlier days, a substantial research work has been done in the department since 1949, and in the list which follows, it will be apparent that problems of varied nature were investigated and studied.

Structural Engineering

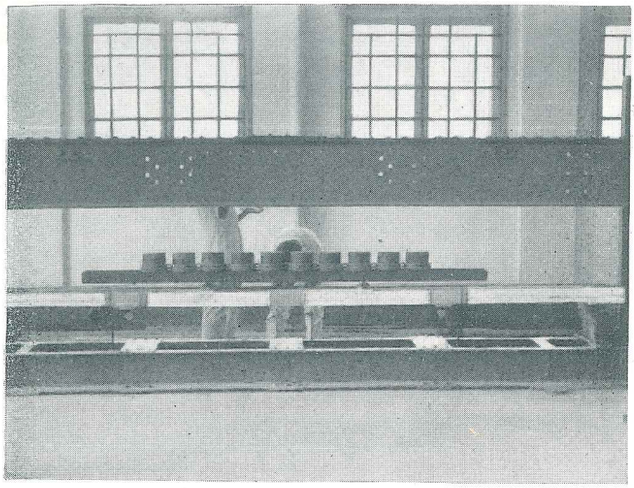
Analytical Study and Preparation of Design Tables for Rigid Portal Frames.

Study of Forced Vibration of Struts and Ties.

Effect of Direct stress in Members of a Rigid Frame. Frame.

Study on the most economical form of Steel Structures.

Prestressed Steel Structure.



TESTING PRE-STRESSED CONCRETE FLOOR BEAM

Ultimate Design Method for Building Frames.
Finite Plates and Application to Bridge Structures.
Continuous Raft Foundation for Building.
Finite Slabs on Elastic Solid Foundation.
Elliptical stiffening in Well Foundation.
Influence fields for Finite Continuous Plate.
Dynamic Behaviour of Prestressed Concrete.

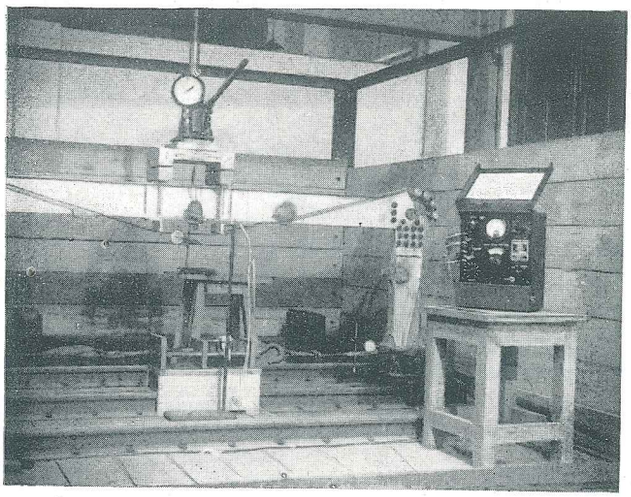
Concrete Technology

Effect of Pozzolona as an Admixture in Concrete for massive Concrete Structures.
Shrinkage of concrete and its effects.
Prestressed Concrete Structures.
Prestressed Concrete in composite construction.
Continuity with Precast unit.

Soil Mechanics

Plate Bearing Test; Bearing Capacity and Depth of Foundation.

EXPERIMENTAL SET-UP FOR A PRE-STRESSED STEEL PORTAL



Resistance of Piles in clay to sheer failure of the clayey soil.

Future studies include

Ultimate Load Design of Building Frames and the effect of—

(1) Stability of Columns;
(2) Foundation Settlement and
(3) Presence of Cladding Walls and Floors.

Effect of Cladding walls in redistribution of Stress in the Design of Multi-storey Rigid Framed Buildings (C. S. I. R.)

Fundamental Dynamic Behaviour of Different Structural Material, Shapes and Sizes.

Continuity in Prestressed Concrete Structures (C.S.I.R.).

Studies of Foundation in Expansive Clay (C.S.I.R.).

Rigid Plate Portals and Balanced Cantilever Plate Bridges.

Further studies on continuity in Precast Reinforced Concrete.

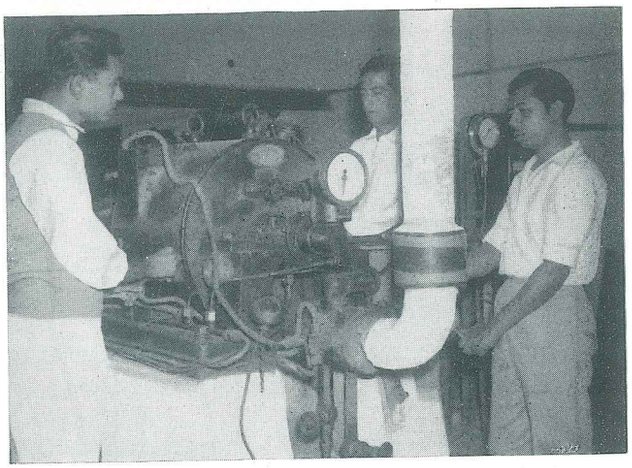
Prestressed Steel continuous Structures.

MECHANICAL ENGINEERING DEPARTMENT

The research activity of the department was started in 1949 when a modest research project on "Development of Gas Turbine" was taken up by the staff of the department with one Senior research scholar, of the Ministry of Education, Govt. of India. The design and manufacture of the basic components viz. the compressor, the combustion chamber, and the turbine, for a 100 H.P. gas turbine was started and by the end of 1950 some of the basic units were ready for test. Simultaneously a research scheme was submitted to the Council of Scientific and Industrial Research for financial assistance which was very favourably received by the Council and sanctioned the establishment of this research project in the department in 1950.

Gas Turbine Research :—Since then the work has been taken up on a bigger scale and the work has been broadly divided into six divisions, viz.—

(i) Design and construction of—
  (*a*) Compressor (axial type).
  (*b*) Combustion Chamber.
  (*c*) Turbine.
(ii) Development of simple manufacturing technique for the production of blades.
(iii) Development of suitable compressor blade form to give the desired aerodynamic characteristics.
(iv) Development of appliances for fuel injection.
(v) Development of measuring instruments and technique.
(vi) Development of materials for turbine blades.



STEAM TURBINE SET-UP

The work on these fields have progressed steadily during the last six years with Dr. S. R. Sen Gupta, as the Investigator-in-Charge upto 1953 and Adviser since then. The progress made in the different aspects of the scheme as briefly as follows:—

(i) (*a*) *Compressor :*—A 3-stage compressor has been designed, manufactured and tested for study of the stage performance characteristics. A 12-stage compressor has been built and tested upto 10,000 r.p.m.

(*b*) *Combustion Chamber :*—Three model combustion chambers have been designed, constructed and tested to study the best air distribution pattern from the point of view of flame stability, pressure loss, and combustion efficiency. A fourth chamber with a higher heat release rate is on test.

(*c*) *Turbine :*—A two-stage reaction turbine was designed, constructed and tested. Test results showed some defect in the flow path and it has since been redesigned. It is under construction in the College shops.

(ii) A simplified manufacturing method has been developed for production of twisted airfoil section blades with the standard machine tools, available in the College Workshops. This work is now being extended to study the effect of manufacturing inaccuracies on the performance characteristics.

(iii) Work is being carried out to develop a simple and effective blade shape which will involve simple machining operations without seriously affecting the performance. A small cascade test viz. has been designed and constructed for this purpose.

(iv) Some work has been done to develop fuel automiser and pumps for gas turbine chambers.

(v) In the development of measuring instruments two new electronic instruments have been developed viz. one for measurement of high rotation speed and one for torque. This work is being carried out under the supervision of the Physics Dept.

(vi) Four new alloys suitable for turbine blades have been developed in the College laboratories. This work has been done with a view to develop alloys which contain the elements that are available in India. The work is being guided by the Metallurgy Department.

The progress in the different aspects of the project has been satisfactory and the Council of Scientific and Industrial Research have continued to finance the scheme for the last six years, which is very heartening.

I. C. Engine Research :—Work was also started on the possibility of using power alcohol only as fuel in Auto-engine and a scheme was submitted to the Council of Scientific & Industrial Research which had their financial approval in 1953-54. Two engines one-four stroke, and one-two stroke were converted to alcohol injection version and work was carried out with some interesting results.

Flash Steam Generator :—Another research project was approved in the Mechanical Engineering Department by the C.S.I.R. for the development of a new type of steam Generator, in which steam is formed by spraying water into a heated tube. This work was carried out by an ex-student, Shri R. K. Mukherjee, who has developed the scheme and holds Indian & British patent for this type of new steam generator. In addition to these sponsored research projects, the staff of the Department are engaged in other interesting research problems. Some of these subjects are:—

Utilization of Solar heat, precision casting technique, Chip formation in cutting processes, and photo-easticity.

ELECTRICAL ENGINEER DEPARTMENT

Problems on Fractional H. P. Motors solid dielectries, methods of determining the m.m.f. of taper teeth for electric machines and application of Fuse-breaker Co-ordination in primary distribution system were the subjects under investigation. Apart from the departmental staff, one Senior Research Scholar, Government of India, was engaged in the above investigation. The investigations were recorded in the form of four papers.

Investigations in regard to the design of current transformers were started in the year 1954-55 and in the subsequent year investigations on rotating electrical machinery was started. With the start of Master's Degree Courses in Electrical Engineering, the research activities got an impetus, which was further helped by the sanction of post-graduate courses in Electrical Machines Design by the Government of India. The following research problems are at hand at present in the Department.

1. Development of Position Control Servo-Mechanism.
2. Study on a simpler method of analysis of non-linear Servo-Mechanism.
3. Eddy-current effect in the solid rotor of a Polyphase Synchronous machine.
4. Dynamic Braking performances of an Induction motor.
5. Effect of airgap on the Induction motor torque.
6. Design and construction of a Torque-meter and a Load Angle-meter.
7. Saturation in Synchronous machines.
8. Development of Magnetic amplifiers.
9. Investigation of the possibility of making precision current Transformers from Silicon-Steel Core.

Two Government of India Senior Research Scholars and two West Bengal Government Research Scholars have joined the Research Team of the Department.

METALLURGY, CHEMISTRY & GEOLOGY DEPARTMENT

Several research Schemes like "Gases in metals", "Solid Gas-reactions" etc., were initiated during the year 1949-50 by Prof. W. Baukloh, Dr. Ing., Habil, Ex-Director, Technical High School, Berlin, Germany. Dr. Weingaertner in collaboration with the members of staff of the Department and Dr. A. N. Roy undertook research work in connection with Fischer—tropsch Synthesis. Dr. G. P. Chatterjee started work on the vibration damping capacities and on X-ray studies of metals and alloys. Dr. B. Chatterjee started research work on soils.

During the year 1950-51, investigation on—

(1) Catalytic interaction between metallic oxides and carbonaceous Gases;
(2) Mechanism of interaction between Gases and Carbon of Iron Carbon alloys;
(3) Interaction between Metals and Ceramics under controlled atmosphere;
(4) Behaviour of Zinc in some common Brasses at elevated temperatures under vacuum;
(5) Gases in metals & alloys;
(6) Nodular Cast Iron;
(7) Behaviour of Magnesium in some Alluminium-Mg alloys at high temperature;
(8) Mechanism of solution of solid metals in liquid metals under controlled condition;
(9) Alitising of Iron;
(10) Aluminium Soldering fluxes;
(11) Diffusion of Zinc in alpha-brass;
(12) Thermo-electric behaviour of metals and alloys;
(13) Inoculation treatment of Cast Iron;
(14) Auto-spheroidising characteristics of Steel;
(15) Clay-minerals in Soils;
(16) Engineering properties of Soils;
(17) Blonding & Standardisation of foundry sands, etc.,

were initiated. Dr. G. C. Basak and Sri N. C. Neogi continued work on Fischer-tropsch Synthesis of Petrol.

In the year 1951-52, in addition to the above schemes, the following new projects were under investigation:—

(1) 'X'-ray diffraction studies of a binary alloy containing metals with dissimilar crystal structures, valencies, and ionic radii; (2) A new type of age-hardening phenomenon; (3) Atmospheric corrosion with reference to some copper base alloy; (4) Hardness and work hardenability of metals and alloys; (5) The rate of film-formation of metals and alloys; (6) Studies on pin-holes in Aluminium; (7) Nature of catalysis in the decomposition of carbon-monoxide; (8) De-carburisation and Dephosphorisation of alloys in controlled atmosphere; (9) Broken bonds in quartz; (10) Febric analysis of crushed conglomerates and quartzites; (11) Geological Survey in the neighbourhood of Gorumalisan Hills, Mayurbhanj; (12) Problems of silting in Damodar Valley and its catchment area and (13) Studies on Microdstructures & digestibilities of Indian Bauxites and function of different treatments.

During the year 1952-53, the following new research projects were taken up:—

(1) Anodic surcharging on the behaviour of some plain carbon steel; (2) Grain growth of alpha brass; (3) Effects of Titanium on the ageing characteristic of alloys; (4) Reduction of Phosphorous in Indian Pig-Iron by basic converter process; (5) Oxidation characteristic of high carbon steels at different potentials; (6) Relation between static and dynamic properties of carbon steel under different thermal treatment; (7) Constant strain creep-testing of metals and alloys; (8) Phase diagram of alloys; (9) Effect of titanium on the corrosion characteristic of alloys; (10) Soil stabilisation by chemical methods; (11) Utilisation of metal scraps; (12) Lattice transformation in minerals; (13) Recovery of Sulphur from Indian coals; (14) Petrology,—origin and emplacement of

Chotanagpur Granite; (15) Sedimentological aspect of Tertiary sand-stones near Bagrakot, Darjeeling District; (16) Structural and Petrological Problems of the area around Birmitrapur, Orissa; (17) Geological observations on the coal occurrences around Daltonganj. Dr. S. C. Das Gupta initiated research work on transformations in steel and associated phenomenon in 1952-53.

During the year 1953-54 the research projects, mentioned earlier were continued and a number of research papers were published in India and abroad.

During the year 1954-55 the following research projects, in addition to those mentioned earlier, were taken up:—

(1) Creep behaviour of metals and alloys; (2) De-Sulpharisation of alloys under gaseous anneal; (3) Nucleation of Martensite in alloy steels; (4) Work hardening of Austenitic steels and (5) stabilisation and conditioning of Austenitic transformation.

Sri P. K. Mukherjee initiated research work in 1954-1955 on the various aspects of the Geology of the northern part of the Rajmahal Hills with particular reference to the Petrology of the Lava flows.

During the year 1955-56, in addition to the research projects mentioned in the earlier years, the following new projects were under investigation:—

(1) An elastic behaviour of metals and alloys; (2) Fatigue of metals and alloys; (3) Underground corrosion of metals and alloys and (4) Broken bonds in silicate minerals.

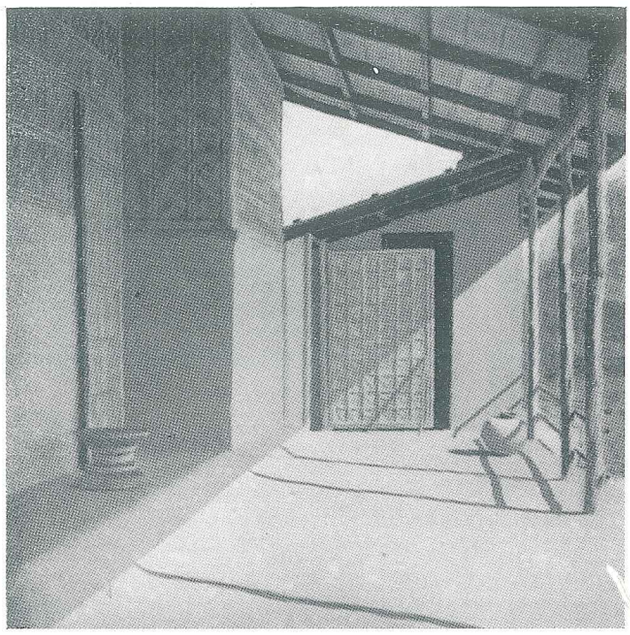
During the period under review some research schemes sponsored by the Council of Scientific & Industrial Research have also been in progress in the department:—

(1) Effects of Gases in Steel; (2) Gas-turbine & Jet-propulsion units—material development; (3) Studies in binary and ternary alloy systems with Titanium as one of the alloying elements; (4) Studies on the corrosion of metals and alloys with special reference to the effect of Titanium and (5) Development of new alloys with reference to elements available in India.

ARCHITECTURE, TOWN & REGIONAL PLANNING DEPARTMENT

An intensive programme of research on "Low Cost Housing" was undertaken by the Department under the guidance of Professor J. A. Stein. Several designs for single-storied and multi-storied housing suitable for tropical urban areas were developed with a view to reducing the cost.

The department designed, and in collaboration with



A TYPICAL VERANDAH IN A LOW COST HOUSE DESIGNED AND EXHIBITED BY THIS DEPARTMENT AT THE DELHI LOW COST HOUSING EXHIBITION 1955

Prof. A.C. Roy of the Department of Applied Mechanics, constructed two low-cost houses as part of the Government of West Bengal Exhibition at the International Exhibition of Low Cost Housing held in New Delhi in 1954.

The Bengal Engineering College design for the Urban House was selected by the International Federation of Housing and Town Planning as being the best house for hot-humid climates at the Exhibition. A combination window-shutter developed for this house was considered to be one of the most successful devices at the Exhibition and is being adopted by a number of agencies interested in housing.

The programme got further impetus by the grant of two research scholarships by the Ministry of Education, Government of India in 1954.

Further studies of the most comfortable, attractive, and economical methods of planning and construction of single-storey, double-storey and apartment type dwellings were made and designs suitable to urban and suburban situations in the hot-humid areas of the tropics were evolved.

An intensive study and research into selected problem areas in the City of Calcutta was also undertaken by the department. The most important of such areas was the aproaches to the Howrah Bridge on both sides of the bridge. The Aproach on the Calcutta side was studied in detail under the guidance of Prof. Richard C. Marshall, Guest Professor under T.C.M. Programme. An advisory scheme was also prepared.

The scheme, it is understood, is now approved in principle by the Traffic authorities concerned.

An extensive programme of research on the "Open spaces in Calcutta—their problems and prospects" has been undertaken by the Department under Prof. A. K. De. The survey of the existing conditions is being done by Sri T. C. Chatterjee, Lecturer in Town Planning. An analysis of the conditions and an advisory proposal for the whole city will be included in the studies.

APPLIED MECHANICS DEPARTMENT

The history of research activities of the department started from recent dates after it came into existence in 1947. The activities have been centered mainly around the fields of Elasticity, Material Testing, and Hydraulic Flow, brief accounts of which are indicated below:—

A. Elasticity:

(1) "Model Tests on Deflection of a Two-Hinged Elastic Arch", (1949-50).
The tests were made to verify the Deflection Theory of two-hinged elastic arches. A good agreement between the theoretical and experimental results was obtained.

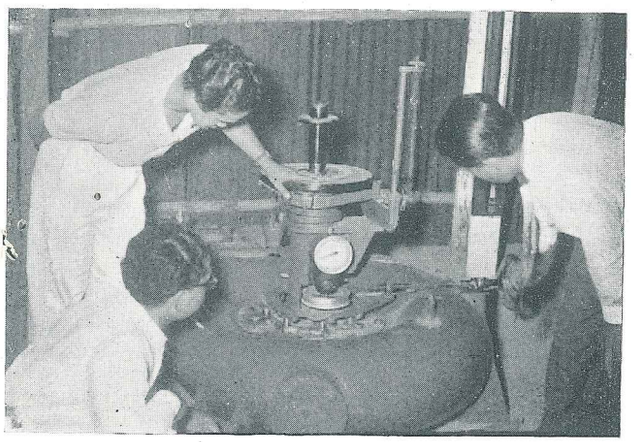
(2) "Analysis of Two-Dimensional Footings having variable Moments of Inertia", (1954-1955).
An analytical as well as a numerical method of solution of the problem was developed.

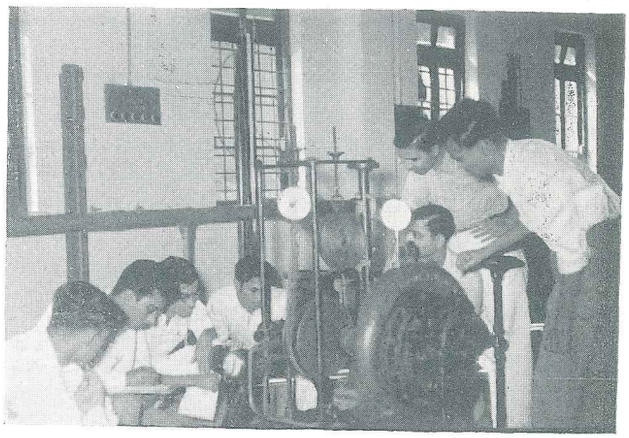
(3) "Photo-Elastic Study of Stresses in Uniform and Tapered Beams resting on an Elastic Foundation" (1955-56).
This study was taken up by a post-graduate student for his M.E. thesis. The first phase of this work has been completed and an extension of the work is in progress.

B. Materials Testing:

(4) "Study of Fatigue Characteristics of some Indian Steels", (1953-54).

AN ADJUSTABLE BLADE KAPLANT TYPE TURBINE-HYDRAULICS LABORATORY





REACTION TURBINE

In this study the Endurance Limit of some Indian steels have been determined. Further studies on the Scatter Theory of fatigue failure and the effects of high stress for a limited number of cycles are in progress.

(5) "Influence on Cold Drawing of Steel upon Brittle Transition Temperature", (1955-56).
This was a part of a project started in the U.S.A. and completed in the department by a guest professor, under the T.C.M. scheme.

(6) "Development of Non-Destructive Testing of Concrete, Bricks and other Clay Products", (1956-).

An equipment for the above study by the Resonant Frequency methods has been developed. Tests are now being made on Bricks to correlate their resonance frequencies with quality. The problem has recently been accepted by the C.S.I.R. as one of their sponsored project.

(7) "Development of Pulse-Velocity method for Testing concrete", (1956-).
Development of an equipment for the above is in progress. This problem is another C.S.I.R. sponsored project.

C. Hydraulic Flow:

(8) "Study on the causes of Failure of the Casings of Reflux Valves at the Uttarbhag Pumping Station", (1953-54).
At the request of the Directorate of Irrigation, Govt. of West Bengal this study was made in co-operation with two guest professors of the College under the T.C.M. scheme. The true causes were determined and a comprehensive report was submitted to the Directorate.

(9) "Study of the Inlet Conditions of the Low-Lift High Capacity Pumps at Uttarbhag Pumping Station", (1956-).

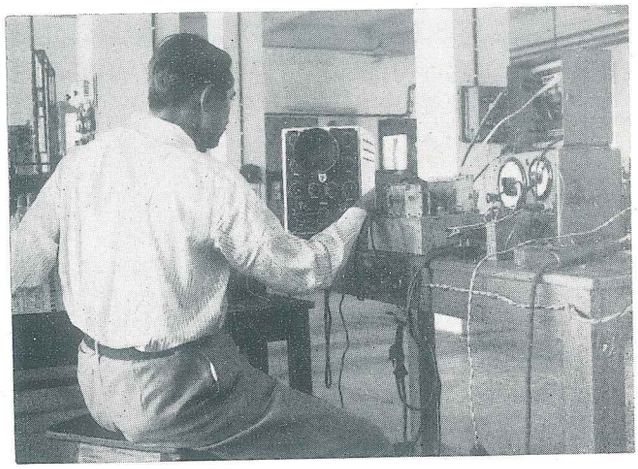
This investigation has been recently undertaken at the request of the Directorate of Irrigation, Govt. of West Bengal.

MATHEMATICS AND GEOPHYSICS DEPARTMENT

In addition to the normal teaching some teachers of the department carried on original research work and advanced studies. The research works carried out by the teachers do not, however, adhere to a definite programme, but each research worker persued the subject or subjects on which he was interested. Particular mention may be made of Dr. C. E. Cullis who made a thorough study of Matrices & Determinoids during 1904-1908, and gave a course of Readership lectures at the University of Calcutta during 1909-1910 and also incorporated these results in two volumes under the title Matrices and Determinoids, published later by the Cambridge University, Prof. B. B. Sen and Dr. A. M. Sen Gupta carried out researches on different problems of elasticity and published a large number of papers. Since 1949 research works in the department have been concentrated mostly on nuclear physics and Cosmic radiation and Geophysics. A specially designed building was constructed for setting up highly sensitive electromagnetic seismographs. A three component Benioff seismometer were installed in 1952 and is in continuous operation since then. A research project sponsored by C.S.I.R., on the study of Microseisms and their correlations with cyclones is in progress in the Geophysical Laboratory since 1952. Another research project sponsored by the Department of Atomic Energy, Government of India on the study of Cosmic Ray fluctuations is in progress since 1951. Some interesting results on both the projects have been obtained and the results have already been published. A group of research workers registered for the D. Phil. degree of the University of Calcutta are at present working on the different aspects of Geophysics and quantum mechanics with particular reference to Cosmic ray physics. While working in the department Professor B. B. Sen was admitted to the D.Sc. degree of the Calcutta University in 1948, Dr. R. Pratap was admitted to the Ph.D. degree of Bombay University in 1953 and Dr. A. M. Sen Gupta was admitted to the D.Phil. degree of the Calcutta University in 1955.

PHYSICS DEPARTMENT

Research in the Physics Department was mainly concentrated upon problems on Communication and Electronics immediately after its charge was taken over by Dr. H. Rakshit in 1949. Some schemes submitted to the Council of Scientific and Industrial Research, Government of India, were sanctioned and



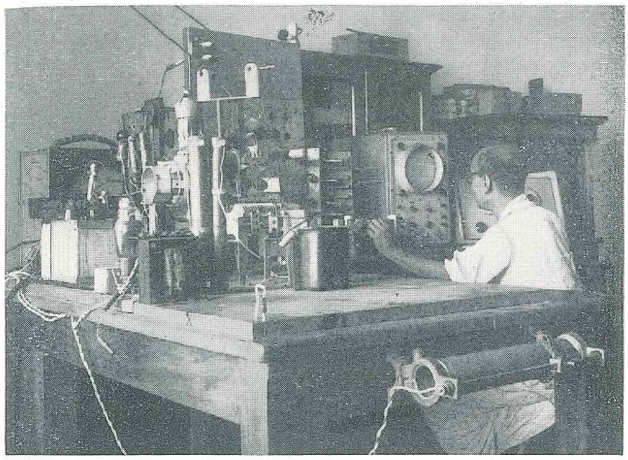
NEW TYPE OF THREE-PHASE R. C. COUPLED OSCILLATOR DEVELOPED IN THE LABORATORY

financial help was also available from the Council to provide Scholars and meet contingent expenses.

In 1950, Dr. Rakshit made extensive study on the published literature on Radio Astronomy at the request of Late Prof. M. N. Saha, F.R.S. and contributed a comprehensive article in Science and Culture ("Radio noise from extra terrestrial Sources"). Earlier, a symposium on microwaves was called at Delhi under the auspices of the C.S.I.R. and Dr. Rakshit led a study group on 'Microwave emission from the the Sun'. It may be recalled in this connection that this was the first instance of an Indian Scientist engaged in the fascinating subject of Radio Astronomy. In the same year a paper on a simple method of wide-band frequency modulation was also published.

In 1951, two scholars were provided by the C.S.I.R. (one working on Three-phase R-C coupled F-M Oscillator and another on Measurements on Gas Turbines, and one scholar was provided by the Ministry of Education, Government of India (working on Ultra-high frequency Oscillators). Furthermore, research on Magnetic Amplifiers was carried out by Shri P. N. Das, Assoc. Lecturer of the Department and on 'Supercooling and the Liquid States' by P. K. Chatterjee, also Lecturer of the Department. Besides guiding the research on the above problems Dr. Rakshit was engaged in developing a delay pulse coincidence technique for measurement of ionospheric heights.

In 1952, sufficient progress was done in the above lines of research, the C.S.I.R. has renewed the grants, and the laboratory conditions were more conducive to research. A note was submitted to the Indian Science Congress by Shri P. K. Chatterjee on some observations on supercooling and theory of the liquid state. Another note was communicated to Science & Culture by Dr. Rakshit on a new method for ionespheric height measurements. This method, it should



ONE OF THE MOST SENSITIVE APPARATUS DEVELOPED IN THE WORLD FOR IONOSPHERE HEIGHT MEASUREMENT DESIGNED AND CONSTRUCTED BY DR. H. RAKSHIT

be noted, far surpassed in accuracy all the existing methods for similar measurements. The details of the circuit were later published in Zeits fur. Physik. A note on magnetic amplifier with Stalloy Core was communicated to the Science Congress by Shri. P. N. Das.

In 1953 and 1954 extensive work was started on 3-phase R. C. Oscillators and their Frequency modulation and on measurements on gas turbines. A paper by Dr. H. Rakshit and Shri M. Mallik was published in the Indian Journal of Physics.

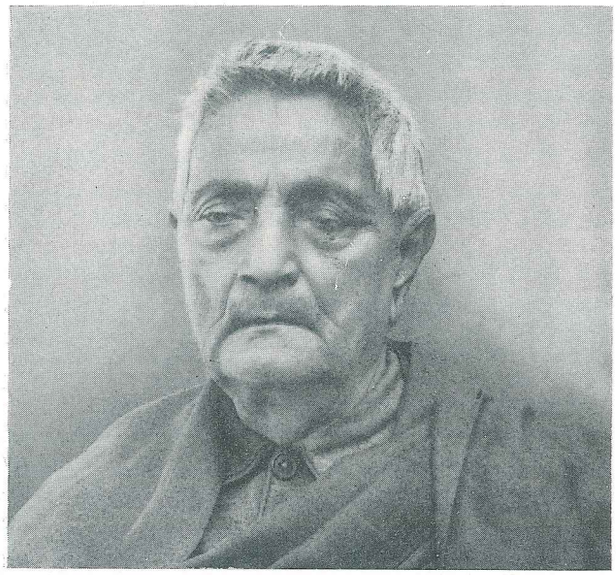
The work on Ultra-high frequency Oscillator was completed. Observations on u.h.f. propagation in gangetic West Bengal were started by Shri Y. S. Chandrasekhar. Mr. Mukherjee was engaged in temperature measurements of gas turbine. Dr. Rakshit left the Department in November this year and the C. S. I. R. Schemes in the laboratory terminated.

New research work has been undertaken on problems of the following groups :—

(1) Radio-electronics
(2) Radio Waves and Circuits
(3) Radio and Troposphere
(4) Ionospheric Radio
(5) Radio noise of extra terrestrial origin
and
(6) Radio measurements and standards.

It is to be noted that the above groups have been based on the recommendations of the International Union of Scientific Radio (U.R.S.I.) (Union Radio Scientifique Internationale) and the Department aspires to contribute substantially to the Indian National programme on the above subjects during the International Geophysical year (1957-58). The laboratory is already equipped with the apparatus for doing research on subjects (1) to (4) and it is hoped that, with the creation of the New Department of "Communication Engineering", our research workers on Communication and Electronics will be able to fulfil their ambition.

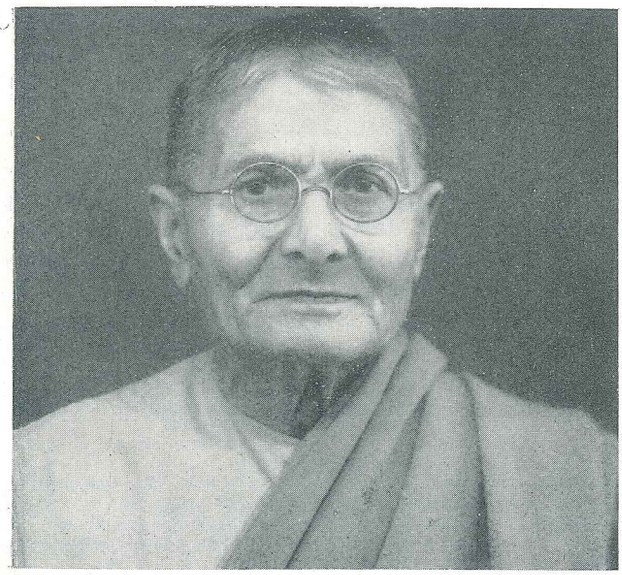
The Alumni Forum



PHANINDRA NATH MUKHERJI (1899)



KARUNA KUMAR DATTA GUPTA (1899)



RAI BAHADUR ANUKUL CHANDRA MITRA (1900)

We pay homage to the seniormosts amongst us

I am glad indeed to hear that the present students and ex-students of the Bengal Engineering College are holding a Congress on Saturday, 18th of August. As an engineer myself I have taken a deep and constant interest in the progress of engineering and technical education here. During my visit to the Sibpur College I was much impressed with the standard of education there, but I believe that a much higher standard is needed to turn-out engineers who would hold their own with the best trained engineers from Europe and America. I hope and believe that the plans for the future that are now being worked out will have this effect - and I will watch the working out of these plans with the greatest interest.

I welcome this effort of students and ex-students to combine and hope that out of it will arise a new enthusiasm for the engineering profession in Bengal.

R McCaig.

Government House,
CALCUTTA.
The 30th July 1945.

GOVERNOR OF BENGAL

BENGAL ENGINEERING COLLEGE ALUMNI CONGRESS

The Alumni are a galaxy of stars in the vast expanse of the horizon of an Institution. It was found necessary to harness them in a corporate body for joint concerted action for the benefit of the Institution.

There had been stray contemplations regarding its formation for quite a long time until in March 1945, a definite formation took place in a Re-Union meeting with the following persons to form a provisional committee, which led to the birth of the Congress.

Provisional Committee

Shri T. Mitra, the then Engineer, Government of Bengal (Chairman).
Shri B. N. Chaudhuri.
Shri G. S. Mitter.
Shri Mazharul Islam.
Shri Partha Kumar Ghosh.
Shri D. K. Chakravarti (Convenor).

This Committee undertook a colossal amount of work. Its foremost duty was to compile a register of all its students, so that they may be contacted.

This committee had also to prepare a constitution which can be taken up by the proposed Congress.

All the items were fairly elaborate and painstaking. The names of the ex-students were obtained from the University calendars. The then Librarian of the Calcutta University helped much by extending his co-operation in all possible manners. After a strenuous work, a list of ex-students with addresses could be compiled.

Whole-hearted appreciation and promises of co-operation started pouring in. This gave the members of the provisional committee a good amount of fiillip to move forward.

The constitution received very careful and cautious checks and many came forward with their suggestions.

It was then printed and circulated amongst ex-students. Sufficient time elapsed before it was considered, so that every point could be given its due share of consideration.

It was on the 18th day of August, 1945, that the first meeting of the Congress was held at Calcutta in the Indian Association Hall of haloed memory. On the day of the meeting, the Hall was packed to its capacity,—everyone was eager to contribute his share to the constitution. It was here that the Congress was conceived with high hopes and aspirations. The then Governor of Bengal, His Excellency Mr. R. G. Casey blessed the proposed Congress and wished it god-speed. Amidst affectionate applause and throbbing enthusiasm the Congress saw the light of the day with the following committee to guide its destiny.

Shri S. K. Chakravarti—*President.*
Shri N. N. Sen—*Vice-President.*
Principal, B. E. College.
Rai S. K. Guha Bahadur—*Vice-President.*
Shri T. Mitra—*Vice-President.*
Shri D. K. Chakravarti—*Honorary Secretary.*
Shri Akshoy Bose—*Honorary Treasurer.*
Shri P. K. Das—*Assistant Secretary.*

MEMBERS

Shri J. N. Das Gupta.
Shri B. N. Chaudhuri.
Shri P. B. Ghose.
Shri M. A. Bari.
Shri S. R. Sarkar.
Shri Partha Kumar Ghosh.
Shri Mazharul Islam.

This committee decided to register the Congress under the Indian Companies Act with the following objects:

(1) To foster closer relationship amongst the students and ex-students of the B. E. College.
(2) To safeguard the interests of Engineers in general and those of the B. E. College in particular.
(3) To bring about social and professional intercourse amongst the present and past students of the B. E. College.
(4) To advise the College and the University authorities in the matters of improvement of teaching and curriculum and also to suggest means about students' welfare in all aspects.
(5) To maintain a register of employment and help the members in securing training and work.
(6) To secure recognition of our degrees abroad.
(7) To establish and encourage research fellowships for advancement of engineering science and to grant scholarships, stipends, etc. for studies in India and abroad.
(8) To create a fund for certain scholarships to deserving students for prosecution of their studies.
(9) To establish and run a library, magazine museum, laboratory, exhibition, etc. for the benefit of the profession.
(10) To take over, amalgamate or co-operate with such bodies or associations as are conducive to the best interests of the Congress.

(11) To do and perform such other acts and things as may be incidental to or conducive to attainment of the aforesaid objects or any of them.

The membership of the Congress was divided into four classes (a) Honorary Members, (b) Ordinary Members, (c) Teacher Members, and (d) Student Members.

On the 7th day of November, 1945, the Congress was registered with 67 members on its roll and with the following Honorary members:—

1. P. N. Banerjee,
   Dean of the Faculty of Engineering.
   University of Calcutta.
2. John Chambers,
   Chief Engineer,
   C. & W. D.,
   Bengal.
3. Rai Bahadur P. L. Gupta.
   Chief Engineer,
   East Indian Railway.
4. Khan Bahadur Q. Z. Hussain,
5. P. C. Bose,
   Chief Engineer, Public Health, Bengal.
6. E. A. Nadirshah,
   President,
   Institution of Engineers (India).
7. P. N. Banerjee,
   Vice-Chancellor, Calcutta University.
8. Sir S. S. Bhatnagar,
   Director, Scientific & Industrial Research.
9. Dr. S. Dutta,
   Director of Public Instruction, Bengal.
10. Sir Biren Mookerji, Kt.
11. Sir L. P. Misra, Kt.
12. S. C. Banerjee, M.I.C.E.
13. Nalini Ranjan Sarkar.
    Chairman, All-India Council for Technical Education,
    Government of India.
14. W. C. Kelland.
    Chief Engineer B.N.R.

The first issue of the monthly Bulletin was issued in January, 1946. It was usually a four-page Bulletin and circulated to members giving information about the various items of interest to members particularly giving a special stress on the activities of the Congress in details.

To bring all Alumni into the fold of the Congress a membership drive was undertaken and was considerably successful. Since then the membership has been persistently on the increase. It may be of interest to note that the present Editor of the Souvenir Volume



H. C. MUKERJI, OUR DYNAMIC SECRETARY

was also the Editor of these Bulletins at the earliest stages.

A membership badge was ordered in England and they had arrived in the country on the 20th of October, 1947, when the then Secretary, Shri P. K. Das had brought it to the notice of members.

Every year it was usual for the Congress to publish a list of members and in 1947 the membership list was nicely printed in a brochure form.

The office of the Alumni Congress was, from the inception, situated at 1/1B Mission Row, Calcutta. The office was moved to 12, Old Post Office Street, Calcutta, in June, 1950 and the present office is also situated in the same place.

Since then, in addition to having only an Annual General Meeting at the end of the year, which was the usual practice so long, social gatherings, such as garden parties, dramas, amusements and variety performances by Alumni children, Autumn Socials, meetting the outgoing students of the College, etc., have been held and all these have created a vast platform for better understanding and closer relationship amongst the Alumni of our College. The present Hony. Secretary, Sri H. C. Mukerji, deserves our heart-felt gratitude for all the spade work done by

him in this respect. Whatever success the Alumni Congress has achieved today is due to the untiring zeal and energy of Sri Mukherjee, ably assisted by his worthy lieutenant Sri Siben Sen.

It is quite in the fitness of things that all alumni have joined hands magnanimously and have eagerly undertaken to shoulder the responsibilities of the Centenary Celebrations of the College.

The Celebraions Committee is now headed by our illustrious alumnus Sri J. N. Das Gupta, an ex-President of the Congress. Sri S. N. Gupta, a Vice-President of the Congress at present, is the Hony. General Secretary aided by others from the Alumni Congress.

Sri T. P. Marik, the present President of the Congress, has been elected the treasurer of the celebrations, and it is heartening to note that the success of the celebrations has been largely due to his untiring efforts towards fulfilment of the onerous responsibility that has developed on him.

It is gratifying to record that out of the earnest endeavours of the Alumni the seed of a long cherished Alumni home within the college campus is going to be sewn on this historic occasion,—the CENTENARY CELEBRATIONS OF THE COLLEGE.

THE PRESENT COMMITTEE

President:
Sri T. P. Marik.

Vice-Presidents:
Prof. A. C. Roy (Ex-officio),
Principal, B. E. College.
Sri K. C. Banerjee.
Sri S. N. Gupta.

Hony. Secretary:
Sri H. C. Mukerji.

Hony. Asstt. Secretaries:
Sri Abani Banerjee.
Sri P. K. Ghosh.

Hony. Treasurer:
Sri R. N. Banerjee.

Members:

Sri Siben Sen
„ P. N. Basu.
„ D. K. Bose.
„ B. N. Chaudhuri.
„ D. K. Chakravarti.

● ● ● ●

List of Presidents:
Sri S. K. Chakravarti (1945).
Sri J. N. Dasgupta (1946).
Rai S. K. Guha Bahadur (1947).
Sri S. C. Dam (1948).
Sri T. Mitra (1949).
Sri Akshoy Bose (1950-51).
Late T. P. Datta (1952).
Sri J. Ganguly (1953).
Sri B. N. Chaudhuri (1954).
Sri T. P. Marik (1955).

List of Honorary Secretaries:
Sri D. K. Chakravarti (1945-46).
Sri P. K. Das (1947).
Sri H. P. Dev (1948—resigned in Nov. due to ill health).
Sri A. M. Banerjee (1948).
Sri M. L. Dutt Roy (1949).
Sri S. C. Chakrabarty (1950-51).
Sri R. N. Banerjee (1952-53).
Sri H. C. Mukerji (1954).

Past Presidents



S. K. CHAKRAVARTI 1945



J. N. DAS GUPTA 1946



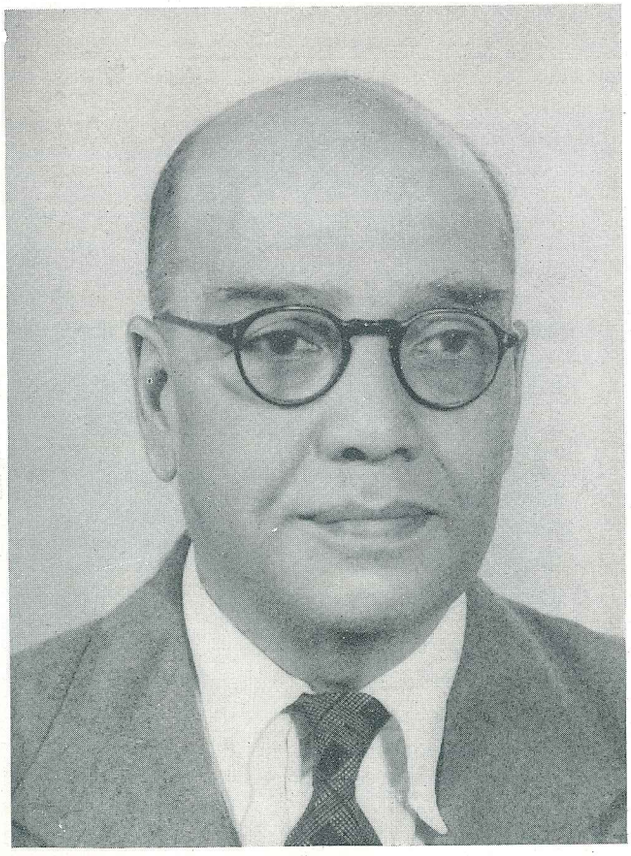
RAI BAHADUR S. K. GUHA 1947



T. MITRA 1949



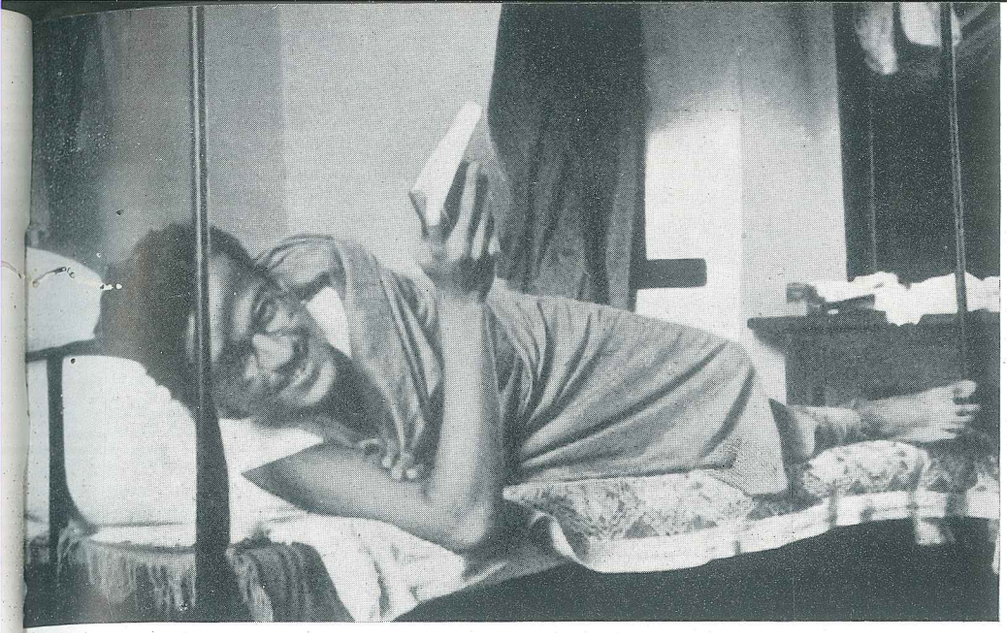
AKSHOY BOSE 1950-1951



J. GANGULY 1953



B. N. CHAUDHURI 1954



Students' Forum

HOSTELS

The history of the hostels under the Bengal Engineering College is as important as the history of the College itself. This is a residential educational institution partially from 1880 and fully since 1889 and so the accommodation of all its students in the hostels with proper amenities of life is of equal importance for the proper education and training of its students for the profession. A chronological history of the different hostels of this college with their developments and amenities is related below:

1. DOWNING HALL-EASTERN AND WESTERN BARRACKS

Downing Hall is the oldest hostel of the Bengal Engineering College and bears this famous name after Mr. S. F. Downing who was principal of this College from 1880 to 1892 and during whose principalship this Hall was constructed.

The life of this hostel is as long as 70 years and its history is full of event.

Soon after this College had been shifted from Presidency College, Calcutta in 1880 to its present site of old Bishop's College, the Govt. sanctioned in 1884 an estimate of Rs. 1,79,363/- towards the construction of this hostel for the accommodation of Indian students and the construction of this hostel comprising of three blocks (East, West & Central) was completed in 1886. Each block is a two storeyed building, except the Central, which is three storeyed. The rooms are mainly four seated and are spacious and well ventilated.

The Hall with its three blocks and the spacious lawn in a calm and pleasant surrounding facing the Ganges presents a majestic view.

The Hall passed through a series of changes in its name, in mode of accommodation and administration in course of these 70 years which are worth mentioning here.

Originally it was constructed as Quarters for Hindu students' Mess or generally known as Native Hindu Mess although soon afterwards in 1910 the name was changed to Indian Students' Mess. The name was



DOWNING HALL

then changed to Hindu Apprentice Barrack as upto 1921-22 M.E., E. E. and Mining trainees were called apprentice students and C. E. students were known as engineer students. Both Hindu and Muslim students were accommodated in this Apprentice Barrack. The Hindu students' Mess was now two separate blocks provided with Dining Hall, Kitchen and store room, and located just behind the central block. This Hindu Mess was common to all the Hindu students residing in the apprentice Barracks as well as in the Engineers' Barrack, now known as Slater Hall. The Muslim students, residing in the Apprentice Barracks, were accommodated in the eastern portion of the Central Block and had their own messing arrangements. It may be noted that for sometime about 1908 the eastern portion in the first floor of the central block had to be used as hospital as a temporary measure. It is also interesting to note that the Central spacious room in the 1st floor of the central block was used for a long time as 'Harisava' where Hindu students and staff used to take part in their religious activities.

The Hindu students' Mess though financed entirely by the students was since its inception under the rigid control of the Superintendent Hindu students' Mess appointed by the Government. In the year 1915-16 as a result of representation from the students, the Government sanctioned a re-organisation of the Hindu students' Mess and the students got some representative control in the management of the Mess under the supervision of the Mess President, nominated by the Principal from time to time. During this year the post of Hostel Superintendent was sanctioned and Sri Surendra Nath Das was appointed Superintendent of both the Apprentice Barracks and the Engineers' Barrack accommodating all Hindu & Muslim students with Sri A. T. Lahiri as Assistant Superintendent.

In the year 1918 another post of Hostel Superintendent for Engineers' Barrack was sanctioned and Sri R. R. Ghosh was appointed the Superintendent of the Engineer Students' Barrack. Sri Das died this year and Sri B. C. Mitra became the Superintendent of the entire Apprentice Barracks.

In the year 1924, the name of the Hall was changed to Downing House. To cope with the increase in the number of Muslim students in the College, the entire Eastern block of this Hall was set apart for the Muslim students and all the Muslim students were allotted to this block in 1932 under a separate superintendent Janab K. A. Kamran. Muslim students had their Dining Hall in the ground floor of this eastern block but the cooking had to be done in the servants' block. In the year 1939-40, all the Muslim students of this eastern block of the Downing House had to be shifted to the Heaton Hall and the vacancy so caused was filled by transferring Hindu students from the Heaton Hall.

During this change in 1939-40 the entire Downing House was divided into two separate hostels—Downing Hall East and Downing Hall West. Downing Hall East with the Eastern block and half of the central block was put under Sri P. B. Ghosh as superintendent and Downing Hall West with the Western block and the other half of the Central block was under Sri B. C. Mitra as Superintendent.

At present, Downing Hall East has normally an accommodation for 76 students and Downing Hall West can accommodate normally 80 students both having the facilities of a joint common room and a joint reading room.

The Downing Hall East and the Downing Hall West are still under a joint Mess fully controlled by the Mess Committee constituted as follows:—

1. 4 elected student members from each Hall.
2. 2 ex-officio monitors from each Hall.
3. The College Medical Officer.
4. 2 Superintendents of the two Halls.
5. Steward as the Secretary.

The superintendents of the two Halls act as the President of the Mess Committee in rotation.

Other improvements made in these Halls after its construction in 1886 are as follows:

(i) Two sanitary latrine blocks each attached to the Eastern and Western blocks were constructed in 1923-24.

(ii) Covered bathing places for the students were provided in 1938-39.

Recently the first floors of the Eastern and the Western blocks have been connected to the 1st floor of the Central block with over bridges for the advantage of the students.

A list of the Superintendents of these two Halls is given below:—

1.	Sri A. T. Ganguli	Native Mess	1892-1903
2.	Sri Rakhaldas Banerji	,,	1903
3.	Sri Syamapada Banerjee	,,	1904
4.	Sri Jotindra Nath Banerjee	,,	1905
5.	Sri Kamakshya N. Banerjee	,,	1906-1907
6.	Sri A. T. Lahiri	,,	1908-1915
		(Hindu Students' Mess)	
7.	Sri Surendra N. Das	,,	1915-1918



SLATER HALL

8.	Sri B. C. Mitra	Hindu Apprentice Barrack	1918-1932
9.	Sri B. C. Mitra	Hindu Downing House	1932 to 1939-40
10.	Janab K. A. Kamran	Muslim Mess	1932-1939

Downing Hall East

1.	Sri P. B. Ghosh	...	1939-1945
2.	Sri N. C. Bose	...	1945-1952
3.	Sri S. K. Bhattacharya	...	1952

Downing Hall West

1.	Sri B. C. Mitra	...	1939-1948
2.	Sri T. K. Banerji	...	1948-1949
3.	Sri A. C. Chakraborty	...	1949-1950
4.	Sri K. K. Majumdar	...	1950

SLATER HALL

In the Centenary Celebration of the College, this Hall, as one of the two oldest barracks of the students has a significant role.

The Hall, as it stands now, consists of one two storeyed building, (containing ten rooms), a small single storeyed building, (containing two rooms), and a Dining House. The construction of all these buildings was taken up as early as 1903. The two residential blocks were originally designed to accommodate eighty Hindu Engineering Students in the two-storeyed block and sixteen Muslim Engineering Students in the small single-storeyed block. The third building, where the present Dining House is located, was constructed to open a separate Ward of the College Hospital for the patients suffering from infectious diseases.

The Hall was not christened until 1925-26, when it was named after one of the Ex-Principals, Mr. J. S. Slater, who was the Principal of the College from 1892 to 1903 and under whose principalship these buildings were constructed.

The composite character of the student population was retained upto 1925-26, when the Muslim students were transferred to another Hall and this Hall has been accommodating only Hindu students since then.

At present, one of its twelve rooms has been spared for the purpose of Common Room, leaving the rest to accommodate eighty-eight students. Each room contains eight seats.

Initially, the Hindu Students of the Hall used to have a Common Mess with other Hindu Students of the then Apprentice Students' Hall (now known as Downing Hall). The Mess Expenses were borne entirely by the students, though the administration of the Mess was under the rigid control of a Superintendent, appointed by Govt. In 1915, as a result of a strong representation of the students, it was decided that the Mess would be run by the representatives of the students with reasonable administrative control through President of the Mess Committee, selected from staff.

As regards Muslim students, their number being few, it was decided that they would be provided with a room for the Mess, but the students would run it privately.

In 1950-51, under the Development Set-up, a change in the system was effected for better administration. Since then, each of the Halls has been provided with



HEATON HALL

a mess of its own. Slater Hall, thus, was provided with a Dining House, located in the third building, which was modified in the meanwhile.

According to available records and reports, the first superintendent of this House was Mr. Surendra Nath Das, who was virtually controlling all the students —Hindus and Muslims—of the Apprentice Students' House and Engineering Students' House, known as Downing Hall and Slater Hall. A list of his successors is given below for record :—

Name and Period

1. Sri Surendra Nath Das—upto 1918.
2. Sri Rama Ranjan Ghosh—from 1918 to 1935.
3. Sri Jitendra Nath Chakravarty—from 1933 to 1948.
4. Sri Birendra Nath Banerjee—from 1948 to 1952.
5. Sri Phanindra Nath Mukherjee—from 1952 . . .

HEATON HALL

The magnificient three-storyed building, with its lofty height facing the College Oval and the grand old church of the Bishop's College is known as Heaton Hall.

It is the third hostel of the old set up. It was constructed in 1923-24 at a cost of Rs. 1,20,000/- to accommodate the European students of the College. It received its name Heaton after Mr. B. Heaton who was the Principal of this College from 1903 to 1923.

Subsequently, with the decrease in the number of European students, the Hindu students were allowed accommodation in this hall. In the year 1940, to provide accommodation to the increased number of Muslim students, the hall was set apart for the Muslim students on the basis of a representation made to the Government. The European students were shifted to one of the blocks of the old Bishop's College with Mr. C. T. Copeland as Superintendent. The Hindu students were shifted to the Downing House (East) under Sri P. B. Ghosh as Superintendent and all the Muslim students living in the different hostels were allotted this Hall with Mr. K. A. Kamran as Superintendent.

After the independence of the country and the partition of Bengal, there was an abrupt fall in the strength of the Muslim students and since then this hall has become a cosmopolitan hostel for the students of different faiths and the European Mess or hostel has been abolished. It has its own mess of cosmopolitan character run by the representative members of its mess committee. This is the only mess in the college where a cook is provided by the Government. The kitchen of the hostel is in a separate block in the ground floor.

There are 60 seats at present. Half of the ground floor is now allotted to the College N.C.C. for their stores and armoury. There is a spacious dining Hall, a prayer room for the Muslim students, and a common room in the ground floor.

The list of the Superintendents of this Hall is given below.

1. Mr. J. V. Francies (1923-1928)
2. Mr. C. V. Miller
3. Mr. C. R. Copeland
4. Sri J. D. Choudhury
5. Sri P. B. Ghosh (1932-1940)



RICHARDSON HALL

6. Janab K. A. Kamran (1940-1947)
7. Sri R. N. Das (1947-1948)
8. Dr. G. C. Basak (1948-1953)
9. Sri A. N. Dutt (1953-1956)
10. Sri S. N. Karmakar (1956-)

RICHARDSON HALL

The Richardson Hall was the first of the new series of hostels which were built during the implementation of the final development plan of this College in order to provide permanent accommodation to the entire student population of this institution.

The hostel was completed in the year 1951 and began functioning in the beginning of the academic session in the same year. It was christened after the name of Mr. T. H. Richardson, an ex-Principal of this College from 1923-1928.

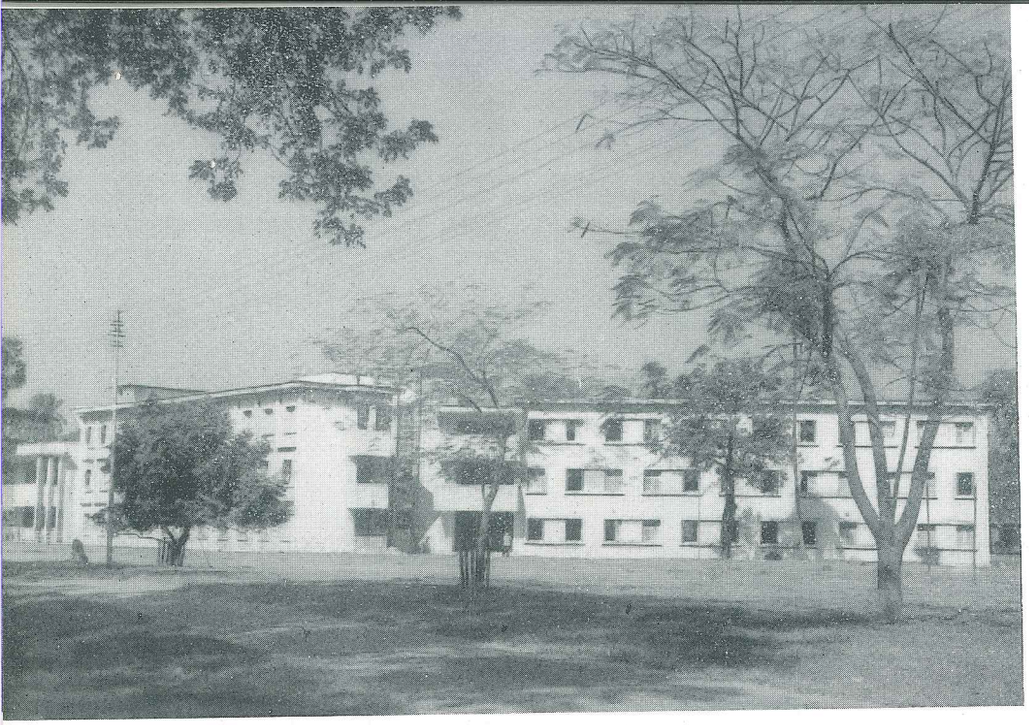
The Richardson Hall was constructed at a total cost of Rs. 5,61,553/-.

This hall was formally opened by Dr. Tarachand, the then Secretary to the Government of India in the Ministry of Education at 6 p.m. on the 17th August, 1951 before a distinguished gathering. The entire function of the opening ceremony was organised by the students of this College.

This is a three-storeyed building facing the main block of the College building and separated from it by a spacious playground. It has hundred well-ventilated, single-seated rooms, a spacious dining hall, a good kitchen and two common-rooms and also provided with modern amenities. In its front, a beautiful garden has been laid and maintained by the students of the hall. The activities of the common



MACDONALD HALL



WOLFENDEN HALL

room, both recreational and cultural, are managed entirely by a committee of the residents of the hall.

The following is the list of the superintendents:

1. Prof. K. S. Rane—1951-52.
2. Prof. M. L. Das Gupta—1952-56.
3. Sri N. C. Neogi—1956 ....

MACDONALD HALL

This hostel was constructed during the session 1951-52 and it started functioning from July 7, 1952, with Shri A. K. Majumdar, as the Superintendent. The total expenditure incurred in the construction of this Hall was Rs. 5,72,912/-.

This hostel is the second in the series of hostels which were constructed under the Final Development Plan of the Bengal Engineering College, and is of the same type as that of the Richardson Hall, which was built in 1951-52. This hostel has got accommodation for 102 students in single-seated rooms. The present strength of boarders is 101.

The students make their own arrangement for messing by forming a Mess Committee from amongst themselves with the Superintendent as the ex-officio President. They make their own arrangtments for their amenities.

This hostel has been named after Mr. A. Macdonald, who was Principal of this College from November 16, 1928 to November 1, 1936.

It is gratifying to note that Mr. Macdonald has very



PANDYA HALL

kindly made an endowment of Rs. 3,700/- for the interest of which of a prize of Rs. 100/- is given every year from 1954 onwards to the best student of this Hall. This is known as Macdonald Prize.

WOLFENDEN HALL

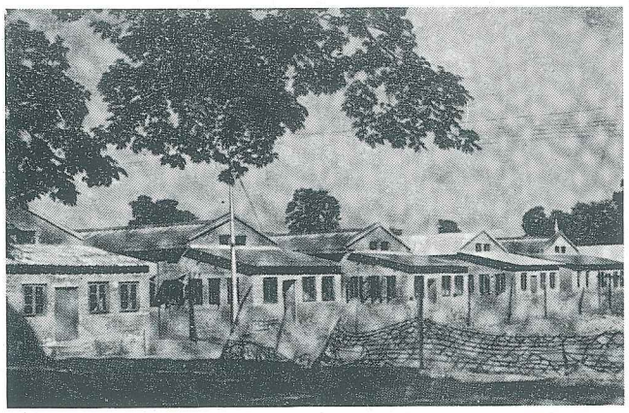
This residential hall marks the third link in the chain of new hostels which are being constructed since the year 1951 under the B. E. College Development Plan. It was constructed in 1954-55 with a total expenditure of Rs. 7,32,846/-. It is named after Mr. R. Wolfenden who was the Principal of this College from 1936-1938.

It is a three storeyed building and presents a majestic view facing the great college Oval. Although the main features of the hall are the same as the previous other two new ones, the architectural design is slightly different. The Hall is provided with single seated well ventilated rooms. There are also provisions for common rooms and reading room in the ground floor. The kitchen and the spacious dining hall are located in an adjacent separate block. The Mess is managed by the representative student members of the mess committee.

This hall was opened in July, 1953 with Dr. G. C. Basak as its superintendent.

PANDYA HALL

This Hall is the 4th one in the series of new hostels which are now under construction under the Development Plan of the College. It is a magnificient three storeyed building near the main gate of the College.



C. A. D. AND L. D. BARRACKS

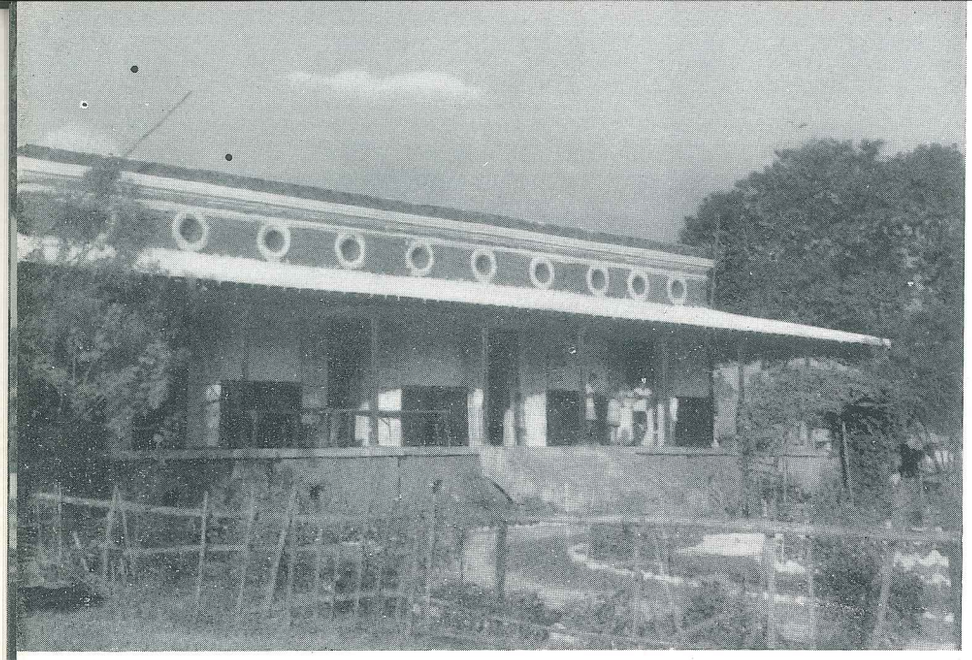
This Hall has been designed in a way similar to the Wolfenden Hall.

The construction of the Pandya Hall was completed in 1955 at a total cost of Rs. 6,57,706/-. It has a maximum accommodation for 102 students. The rooms are single seated and well ventilated. It has in the ground floor a reading room and a common room with a provision for indoor games. The kitchen and the dining hall are in the ground floor attached to it.

The Hall bears its name after Dr. A. H. Pandya, the first Indian illustrious Principal of this College from 1939-43. This Hall was opened in July, 1954

THE OVAL





OLD INSTITUTE

with Sri B. B. Mukherji as the 1st Superintendent. Prof. M. L. Das Gupta is the superintendent of the Hall at present.

BARRACKS

It may be worth mentioning here that the C.A.D. and L.D. Barracks, which were constructed during the last World War, had to be used as hostels from 1946 to 1954, to accommodate the increased number of students. The construction of these new hostels helped a lot in finding better accommodation for the students.

Other two hostels with a provision of 102 single seated rooms, a common room, a reading room, a kitchen, a dining Hall and other modern facilities in each, are nearing completion. These are expected to be opened in January, 1957. One of these Halls will be named Sen Hall after Prof. N. N. Sen who was the Principal of this College from 1945 to 1949. The other one is expected to bear the name of Sen Gupta Hall after Dr. S. R. Sen Gupta, the illustrious Principal of the College from 1949-1954. The construction of a few more hostels to cope with the proposed increase in the intake of students in the College is under the consideration of the Government and is to be completed in the coming successive years.

STUDENTS' UNION

B. E. College Students' Institute was more or less a substitute for the Union. The history of the Institute should be the history of the Union, which was born only a few months back.

When there was only the degree course in Civil Engineering in this college there was one club for Engineer Students. This club had social and cultural functions only. It had a library of its own, containing mostly easy reading story books. There was also a social service league. One of the main functions of this organisation was to conduct a night school where artisan boys were taught by engineering students. There was one Debating Society which amalgamated with the social service league later on. The Engineering Students' Club was situated in the old hospital building and it was removed, in 1930, to a building (now the dining room of the Slater House) towards the west of the Slater House.

By this time degree course in Mechanical Engineering was introduced in the college. The students of this branch of engineering started another club of their own.

There were a few different organisations of the students of the B. E. College before the establishment of the B. E. College Students' Institute.

Mr. Macdonald, the then Principal of the College, advised the students in 1932 to leave aside the unfriendly attitude that existed amongst the students of different branches of Engineering and of the apprentice group. "I.....suggested", he wrote, "that taking the present building as a centre, a design might be prepared for a union for all students of the College". He added that degree courses in all departments were going to be introduced soon. "So..... in view of the fast approaching unity in the technical life of the college, it appears to be not unreasonable that the unity should find definite expression in the social life of the college in the founding of a real union, where all students could meet".

Students readily responded to his suggestion and finally the Principal organised the students under a Students' Institute.

A constitution of the Institute was framed and was passed with amendments in the second general meeting of the B. E. College Students' Institute held in the Assembly Hall at 6-30 p.m. under the presidency of Mr. A. Macdonald, Principal. The constitution was finally approved by the Principal on the 11th of April, 1932.

Membership of the Institute was compulsory to students and optional to members of the staff and ex-students, the ex-students and members of the staff having no voting power.

The Engineering Students' Clubs (Civil and Mechanical) were welded into an Institute, which was formally opened by Rai Bahadur Chunilal Sarcar.

The Institute had three sub-committees, namely, library sub-committee, social sub-committee and social gathering sub-committee. There were four sub-institutes, one in each of the following hostels: Heaton Hall, Downing Hall, Slater House and European Parrack. Each Sub-institute kept daily newspapers, journals and arranged for indoor games and amusements.

Government however, did not approve of the constitution finally. The want of a suitable constitution was felt badly by the students who framed another constitution in 1941. The 6th clause of this constitution was "To maintain the rights of the students". It was passed by the executive committee of the Institute. This constitution also was not approved.

This year the Institute had also started a first-aid training scheme and the college Medical Officer was teaching the students, twice a week, in the evening. Arrangements were also made with St. John's Ambulance to hold first-aid certificate examination.

By the year 1946, the social and political climate of India changed radically and the students felt the necessity of an Union, approved by the college authority, which may stand for the students whenever necessary. Students tried to 'mobilise their opinion through the Institute Committee so that the Institute could function as a strong organisation like other college Unions'.

The General Secretary of the Institute wrote in his report in 1947, "We are glad to announce that the long-felt need of a college union is fairly on its way to fulfilment. A general meeting was convened where an expert committee for drafting the union constitution was elected and the work is now near completion".

The University Commission visited the College in 1950. The Commission listened to the demands of the students for a Union and supported it. But the constitution framed by the students was so much modified by the Government of West Bengal that the same was not acceptable to the students. The General Secretary of the Institute stated, "It is most unfortunate that one of the best nation-building Institutions of India should not have a Students' Union in the mid-twentieth century".

In the session 1950-51, another committee of students drafted a fresh constitution of the proposed union. This constitution also was not accepted.

In 1953. the then Principal assured the students that a Students' Union was going to be formed and so, the election of the Students' Institute was postponed on the anticipation that the election would be held only after the approval of constitution of the Union. Two representatives were elected from each class to form a committee and to draft a constitution of the pro-



STUDENTS INSTITUTE,
FORMERLY THE
ASSEMBLY HALL

posed union. The election of the representatives was conducted by the College authorities. A constitution was drafted after long discussions with the representatives of the Principal. The students reasonably hoped that a union was really going to be formed. But the constitution was also not accepted.

The Institute Committee decided in 1955, to begin an active movement to get the constitution approved by the various authorities concerned. A constitution committee was formed by the Students' Institute.

The constitution drafted in 1953 was modified slightly in a meeting of the representatives of the students and the Principal. The then Principal, Mr. R. G. P. S. Fairbairn approved of the constitution on the 22nd March, 1956 and the present Bengal Engineering College Students' Union came into being from July, 1956.

The objects of the Union are (a) to serve as the only representative body of the students of the B. E. College, (b) to look after the interest and welfare of the students, (c) to endeavour by all means to maintain a sense of unity, fellow-feeling and fair-dealings amongst the students, (d) to promote the social and cultural life of the students along healthy lines and to help them to equip themselves mentally, morally, culturally and physically as future citizens of India, (e) to encourage engineering research and enquiry, rationality of outlook, and free discussions amongst the students regarding engineering problems of the country, (f) to develop better communion between the students and the members of the staff, (g) to promote co-operation amongst the present and past students, (h) to help cultural and social organisations in their humanitarian activities.

All the students whose names are on the college rolls are the members of the Union. Membership is optional for post-graduate students and research scholars and they are designated as Associate Members.

The Union has the following sections :—(1) Social Section, (2) Literary Section, (3) Indoor Section, (4) Debate Section, (5) Library Section.

The Honorary Auditor appointed by the Principal B. E. College audits the accounts of the Union every year.

On the occasion of the centenary of the college, let us hope that the Union will be fulfilling its aims and objects with great zeal and enthusiasm and will have ever-increasing prosperity.

BECA

BECA—The B. E. College Annual—is the herald of Reunions between past and present students and hence, dearest to the heart of all Shibpurites. This is really the medium through which a close contact is maintained between the past and the present.

To trace its inception, we have to go as far back as 1903 when the first students' attempt to bring out a journal materialised in the form of a Magazine called "Shibpur College Parika" published in Bengali. Thenceforward stray attempts were made by the College Students to publish Magazines which came out irregularly till 1928. In this year there had been a firm move among students to publish an annual regularly and out of this new formation, the Civil Engineering Annual made its first appearance. This Magazine steadily continued to be published gradually improving its contents and volume. It was in 1936 when the first combined reunion took place, that the student magazine underwent a tremendous improvement and assumed the name of " B. E. College Annual" which combined the two magazines—Civil Engineers' Annual and Engineers' Annual, the latter having been published on the occasion of the reunion of Mechanical and Electrical Engineering students from 1932.

The Magazine now was classed as one of the best magazines on Engineering lines and improved by leaps and bounds in quality both of contents and get up. Later this annual has assumed the shortened name "BECA" and is now published in above name.

List of Editors:

CIVIL ENGINEER'S ANNUAL

1933
Kalika Sinha.
Suraj Dutta.
Ramprosad Basu.
Amal Mitra.

1934
Suraj Krishna Dutta.

1935
Provas Kumar Mukherjea.

BENGAL ENGINEERING COLLEGE ANNUAL

1936
Shyam Sundar Bhattacharya.
Saroj Ranjan Roy.

1937
Prafulla Ganguly.
Shyam Sundar Bhattacharyya.

1938
Shyam Sundar Bhattacharyya.
Dev Kumar Chakravarti.

1939
Syed Abdur Rashid.
Madan Mohan Bhattacharyya.

1940
Madan Mohan Bhattacharyya.
Brindaban Chand Samanta.
1941
Saradindu Datta Majumdar.
Sachindra Nath Chatterjee.
1945
Satyen Ghosh.
Krishna Sankar Sil.
Tapas Ranjan Sen.
1946
Hemen Mazumdar.
Majidul Raq.
Ashim Mukherjea.
1947-48
Pranab Sankar Roy.
Amar Krishna Bose.
Mihir Krishna Goswami.
Nirmal Kumar Guha Roy.
1948-49
Sourindra Mohan Deb.
Ranjit Chatterjea.
Bimalendu Sen.
1949-50
Sushil Chandra Banerjea.
Bimalendu Sen.
Dilip Kumar Roy.
Amitava Dasgupta.
Subodh Chakravarty.
1950-51
Dilip Kumar Roy.
Bimal Kumar Banerjea.
Prasanta Kumar Banerjea.
Amitava Dasgupta.
Aloke Banerjea.
1951-52
Nripendra Mohan Bakshi.
Arun Kumar Dasgupta.
Amiya Kumar Banerjea.
Pijush Kumar Sinha Roy.
Amalendu Chakravarty.
1952-53
Prasanta Kumar Bhattacharyya.
Govinda Das Dhar.
Gautam Ghosh.
Amalendu Chakravarty.
Abhash Bhattacharya.
1953-54
Bidyut Kumar Chatterjea.
Biswanath De.
Sashil Ranjan Kar.
1954-55
Kishore Ranjan Roy.
Mukulendra Narayan De
Nihar Kumar Sen.
Sushil Kumar Das.
Biman Dasgupta.
1955-56
Paramesh Ranjan Dhar.
Arun Kumar Mitra.
Pabitra Mitra.

THE ENGINEER'S ANNUAL

1935
Saroj Roy.
1940
Bhupati Nath Chaudhuri.
1941
Bhupati Nath Chaudhuri.
K. C. Banerjea.
R. B. Chakravarti.

GAMES

ATHLETICS :

12th February,
1892 : First Annual Sports held.
J. Parsons was the champion.
10th February,
1893 : Annual Sports held.
Heaton was the starter.
Douglas and Billand were the judges.
Maltese Cross the best athelete.
1905 : C. Brown.
S. Street.
G. Lewty.
F. Showors.
H. Hardine.
broke some College records.
1916 : Smith was the champion in University sports.
1932 : Sudhir Kanjilal made his mark in College Athletics—represented Calcutta University in one mile and half mile race and made a record in the latter event.

OLD BOYS RACE



D. Purkait made a record in Calcutta University Sports in one mile race and was a good athelete.

1935 : M. Mookherjee was the first Indian Champion athlete in the College. He represented the University at Lahore. Siben Sen and W. Anderson set College records in Pole Vault and long jump respectively.
M. Mookherjee later annexed the best man's cup for champion athelete for three consecutive years.

1938 : N. Ganguly, S. Gupta, Mingail and A. Sen Gupta qualified for Bronze and Silver Badges.
Siben Sen broke his own previous record in Pole Vault.
Old Boys' race introduced.

1939 : College records were set:
Dhiren Ghosh: High Jump.
V. G. Aratoon: Discus throw.
S. Ali: Javelin throw.
College annexed the Trophy of Tug-of-War in the Inter-Collegiate Sports.
N. Ganguly and A. Ghosh represented the University in 3,000 meters Cycle Race and 400 Meters race.

1940 : D. Ghosh broke College record in High Jump and Hop & step jump and secured first place in both events in Inter-Collegiate Sports.

1944 : P. R. Terry represented the University at Lucknow.
M. Islam set up a University record in high jump.

1948 : The College team won the Dwarikanath Memorial Shield and the Relay race in Inter-Collegiate Sports.

1949 : Awtar Singh secured a place in University Sports.

1950 : Ashis Ghosh broke College records in Hop step & jump.

1954 : M. A. Jacob set a new college record in 800 meters.
R. A. Fonseca stood first in Running Broad Jump in the University Sports.

1955 : S. Gan won the Best Sprinter's cup.
A. Rakshit had the distinction of individual champion in College Atheletics.

HOCKEY

1900 : This game was rigorously started and had since then a very proud record.
Shibpore College Athletic Club was the first affiliated Club of Bengal Hockey Association.
Beat the Dalhousie Club a very strong side in the Beighton Cup.

1905 : Won the senior division hockey league in the very first year of its inception and double honours by annexing the Beighton Cup.

1906, 1908, 1911, 1920 : Won the Senior Division Hockey League.

1921 : Won of the Beighton Cup.

1934 : Sri J. Raj represented in the University Hockey Team.

1946 : Retained the University Hockey League Championship. Annexed the Ashutosh Chowdhury Cup.
N. Lakin and A. Banerjee were selected to represent the University at Lucknow. Lakin captained the team.

1948, 1950 : Winners of Inter-Collegiate knock out Hockey tournament, Dr. S. R. Sen Gupta Cup, and Runner's up in League tournament.

1952 : Won double honours.
Winners of the Inter-collegiate League and knock out tournaments with an unbeaten record.
B. Chakravarty who performed more than one hattricks, Awtar Singh and N. Chakrabarty represented University in the Hockey team.

FOOTBALL

1900 : Finalists in Trades Cup Calcutta.

1951 : Hardinge Birthday Shield under Captaincy of S. K. Biswas.
P. Doyle captained the University Football Team.
The Inter-class, Inter-Department and Inter-Hostel Tournaments and regular features.

CRICKET

1892 : The first Official Cricket match between College team and Mr. Walkins XI—The College won.

1893, 1897, 1899 to 1905 : Won the Harrison Challenge Shield

1938 : Ashim Bose and Ajit Sinha set up a College record of 117 runs for the first Wicket Partnership.

1940 : D. P. Chatterjee achieved the distinction of scoring centuries more than once. Aboni M. Banerji made his mark in ball.
A. Das Gupta, a provincial player later, along with D. P. Chatterjee represented, Howrah XI against Bengal Gymkhana.

Abani Mohan Banerjee was the Captain of the team.

1954 : Runners up in S. Roy Memorial Shield in the Inter-Collegiate knock out tournament.

TENNIS

1929 : Hard Court Tennis Court constructed near the Staff Quarters.

1930 : Ten new Tennis Lawns were put up on the east of the Downing Hall.

1956 : The College team went up to the final of the Inter-Collegiate Tennis tournament.

BASKETBALL & VOLLEY BALL

1936 : H. Roy, P. Banerjee and S. Roy represented Bengal in the Indian Olympic Games. H. Roy was known as the Basketball Wizard being one of the best scorers in India.

1937 : H. Roy, P. Banerjee and B. Auddy represented Calcutta University in Allahabad and won all the matches they played in this connection. They were awarded College Blues.

1938 : Winner of the Inter-Collegiate Basketball League.

1939 : H. Roy, Captained the Bengal Basketball team and won the All-India Laurels for the team.

1940 & 1941 : Won Howrah District Volley-ball knockout and League competitions—S. Bhattacharyya, Captain.

1951 : Runners up in Inter-Collegiate Basketball Tournament.

1953 : Ajit Banerjee represented the Calcutta University in Volley Ball and was awarded University Blue.

1956 : Runner's up in Inter-Collegiate Basketball Tournament.

BADMINTON

1951 : S. Biswas captained the Calcutta University Badminton team and was awarded a University Blue. Winner in the Inter-Collegiate Badminton knockout tournament.

WEIGHT LIFTING

1948 : H. D. Netto represented the Bengal Provincial Weight Lifting team. He was also selected to represent Bengal in the Indian Olympic Games in 1951.

SWIMMING

1906 : Swimming Section opened. Ballantine presented a cup for competition. S. Street annexed the Cup for two consecutive years.

1938 : The College Swimming Tank renovated—an elegant and 20′—0″ high diving platform installed with two steps under the captaincy of D. Mukherjee.

1939 : Swimming Tank equipped with water polo fixtures and a floating pontoon.

Glossary of Records

List of Governing Body Members etc.

List of Staff upto 1955

List of Present Staff

List of Medalists and Prize Winners

List of Ex-students

List of Present Students

BOARD OF VISITORS

1892

Board of Visitors (Ex-Officio)

1. Secretary to the Govt. of Bengal, Public Works Department.
2. Director of Public Instruction, Bengal.
3. Joint–Secretary, Govt. of Bengal, Public Works department
4. Civil Surgeon, Howrah.
5. Inspector of Schools, Presidency Circle.
6. Principal, Civil Engineering College, Sibpur.
7. Executive Engineer, Calcutta Workshops Division.
8. Magistrate of Howrah.
9. Superintendent of Works, Calcutta.

Ordinary Members

10. Babu Kunja Lal Banerjea.
11. W. H. Ryland, Esq.
12. Babu Bhudev Mukherjee.
13. Mahamahopadhyay Mahes Chandra Nyartana, C.I.E.
14. The Lord Bishop of Calcutta.
15. Maharajah Sir Jitendra Mohan Tagore, K.C.S.I.
16. Brigade Surgeon G. King.
17. F. J. E. Spring, Esq.

1893

Ex-officio

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Ordinary Members

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12. Major D. Prain.
13. F. J. E. Spring, Esq.
14. A. Macdonell, Esq., Secretary
15. Rai Radhika Prasanna Mukherjee Bahadur.

1900

Ex-officio

1. Secretary to the Govt. of Bengal, Public Works Department.
2. Director of Public Instruction, Bengal.
3. Secretary to the Govt. of Bengal, Irrigation & Marine deparment
4. Civil Surgeon, Howrah.
5. Inspector of Schools, Presidency Circle.
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7. Magistrate of Howrah.

Ordinary Members

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12. Major D. Prain.
13. F. J. E. Spring, Esq.
14. A. Macdonell, Esq., Secretary.

15. Rai Radhika Prasanna Mukerjee Bahadur.

1901

Ex-officio

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2. Secretary to the Govt. of Bengal, Public Works Department, Roads & Buildings Branch.
3. Secretary to the Govt. of Bengal, Public Works Department, Irrigation Branch.
4. Principal, Civil Engineering College.
5. Inspector of Schools, Presidency Circle.
6. Director of Land Records and Agriculture.
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8. Civil Surgeon, Howrah.
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12. Mahamahopadhyaya Mahes Chandra Nyaratna.
13. F. J. E. Spring, Esq.
14. Rai Radhika Prasanna Mukerji Bahadur.
15. B. Heaton, Esq., Secretary.

1902

Ex-officio

1. Director of Public Instruction, Bengal.
2. Secretary to the Govt. of Bengal, Public Works Department Roads & Buildings Branch.
3. Secretary to the Govt. of Bengal, Public Works Department Irrigation Branch.
4. Principal, Civil Engineering College.
5. Inspector of Schools, Presidency Circle.
6. Director of Land Records and Agriculture.
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11. The Manager of the Eastern Bengal State Railway.
12. The Agent and Chief Engineer, Bengal Nagpur Railway.

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1903.

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3. Secretary to the Govt. of Bengal, Public Works Department Irrigation Branch.
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1903

Ordinary Members

13. Major D. Prain.
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15. Mahamahopadhyaya Mahes Chandra Nyaratna.
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18. B. Heaton, Esq., Secretary.

1904.

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17. B. Heaton, Esq., Secretary.

1905

Ex-officio

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5. Inspector of Schools, Presidency Circle.
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1906.

Ex-officio

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2. Secretary to the Govt. of Bengal, Public Works Department. Roads & Buildings Branch.
3. Secretary to the Government of Bengal, Public Works Department, Irrigation Branch.
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5. Inspector of Schools, Presidency Circle.
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1907

Ex-Officio

1. Director of Public Instruction, Bengal.
2. Secretary to the Govt. of Bengal, Public Works Department Roads & Buildings Branch.
3. Secretary to the Govt. of Bengal, Public Works Deptt., Irrigation Branch.
4. Principal, Civil Engineering College.
5. Inspector of Schools, Presidency Circle.
6. Civil Surgeon, Howrah.
7. Magistrate of Howrah.
8. The Lord Bishop of Calcutta.
9. The Superintending Engineer, Central Circle.
10. Director of Agriculture.
11. The Agent of the East Indian Railway.
12. The Manager of the Eastern Bengal State Railway.
13. The Agent and Chief Engineer, Bengal Nagpur Railway
14. The Chief Inspector of Mines, India.

Personal Members

15. James Grundy, Esq., Inspector of Mines, India.
16. Maharajah Sir Jetendra Mohan Tagore, Bahadur.
17. S. S. Heslop, Esq.
18. W. H. Everett, Esq., Secretary.

Mining Advisory Board Ex-Officio

1. The Principal, C. E. College.
2. The Chief Inspector of Mines, India.
3. Mining Inspector, Bengal.

Personel Members

4. James Grundy, Esq., Inspector of Mines, India.
5. S. S. Heslop, Esq., Manager, New Birbhum Colliery Co.

1908.

Ex-officio

1. Director of Public Instruction, Bengal.
2. Secretary to the Govt. of Bengal, Public Works Department Roads & Buildings Branch.
3. Secretary to the Government of Bengal, Public Works Department Irrigation Branch.
4. Principal, Civil Engineering College.
5. Inspector of Schools, Presidency Circle.
6. Civil Surgeon, Howrah.
7. Magistrate of Howrah.
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3. Mining Inspector, Bengal.

Personal Members

4. S. S. Heslop, Esq., Manager, New Birbhum Colliery Co.

1909

Ex-officio Members

1. Secretary to the Govt. of Bengal, Public Works Department Roads & Buildings Branch.
2. Director of Public Instruction, Bengal.
3. Commissioner of the Burdwan Division.
4. Agent, East Indian Railway.
5. Manager, Eastern Bengal State Railway.
6. Agent, Bengal Nagpur Railway.
7. Chief Inspector of Mines.
8. District Magistrate of Howrah.
9. Civil Surgeon, Howrah.
10. Inspector of European Schools, Bengal.
11. Principal, Civil Engineering College, Sibpur, Secretary.

Eastern Bengal and assam Representatives

12. Secretary to the Government of Eastern Bengal and Assam, P. & W. Department.
13. Head Master of the Dacca School of Engineering.

Burma Representative

14. Director of Public Instruction, Burma.

Ordinary Members

15. The most Revd. R. S. Copleston.
16. The Hon'ble Mr. F. A. Slacke, Member, Board of Revenue.
17. Mr. S. S. Heslop, General Manager, New Birbhum Coal Company.
18. Mr. Phani Bhusan Mukerjee, Inspector of Schools, Presidency Division.
19. Babu Nibaran Chandra Sirkar of Messrs. N. C. Sirkar and Sons.
20. Mr. R. N. Mookerjee of Messrs. Martin & Co.
21. Mr. W. R. Steele, of Messrs. Burn & Co.
22. Dr. Nil Ratan Sirkar.
23. Nawab A. F. M. Abdur Rahman.
24. Mr. W. B. MacCabe, Chief Engineer, Corporation of Calcutta.
25. Mr. G. F. Adams, Senior Inspector of Mines.
26. Mr. W. Tate, Prof., Civil Engineering College, Sibpur, Assistant Secretary.

1910

Governing Body

1. The Hon'ble F. A. Slacke, Member of the Board of Revenue—Ex-officio President.
2. Secretary to the Govt. of Bengal, Public Works Dept. (Building Branch)—Ex-officio Vice-President.
3. The Director of Public Instruction, Bengal—Ex-officio Members.
4. Mr. T. H. Richardson, Professor
5. Mr. P. Bruhl, Professor.
6. Mr. W. R. Steele, Messrs. Burn & Co.
7. Mr. R. N. Mookerjee, Martin & Co.

(4–7) } Member.

8. Principal, Civil Engineering College, Sibpur—Ex-officio Secretary.

Board of Visitors (Ex-officio)
Bengal Representatives

1. Secretary to the Govt. of Bengal, Public Works Dept., Roads & Buildings Branch.
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10. Inspector of European Schools, Bengal.
11. Principal, Civil Engineering College, Sibpur, Secretary.

Eastern Bengal and Assam Representatives

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13. Head Master of the Dacca School of Engineering.

Burma Representatives

14. Director of Public Instruction, Burma.

Ordinary Members

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16. The Hon'ble Mr. F. A. Slack Member, Board of Revenue.
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23. Nawab A. F. M. Abdur Rahman.
24. Mr. W. B. MacCabe, Chief Engineer to the Corporation of Calcutta.
25. Mr. G. F. Adams, Senior Inspector of Mines.
26. Mr. W. Tate, Professor, Civil Engineering Department, Sibpur, Assistant Secretary.

Mining Advisory Board (Ex-officio)

1. The Principal, Civil Engineering College.
2. The Chief Inspector of Mines, India.
3. Mining Instructor, Bengal.

Personal Members

4. Mr. S. Heslop, Manager, New Birbhum Colliery Co.
5. Mr. G. T. Adams, Inspector of Mines in India.

1911

Governing Body

1. The Hon'ble Mr. F. A. Slacke, Member of Council-in-charge of Education—Ex-officio President.
2. Secretary to the Govt. of Bengal, Public Works Deptt. (Buildings Br.)—Ex-officio Vice-President.
3. The Director of Public Instruction, Bengal—Ex-officio Member.
4. The Chief Inspector of Mines, India—Ex-officio Member.
5. Mr. T. H. Richardson, Professor.
6. Mr. J. Taylor, Messrs. Burn & Co. } Member.
7. Mr. R. N. Mookerjee, Martin & Co.
8. Dr. A. DuPre Denning.
9. Mr. E. H. Robertson.
10. Mr. P. Bruhl offg. Principal, Civil Engineering College, Sibpur—Ex-officio Secretary.

BOARD OF VISITORS

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26. Professor W. Tate, Assistant Secretary.

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Personal Members

4. S. Heslop, Esq., Manager, New Birbhum Colliery Co.
5. G. T. Adams, Inspector of mines in India.

1912

GOVERNING BODY

Ex-Officio President

1. The Member of Council-in-charge of Education

Ex-officio Vice-President

2. The Secretary to the Government of Bengal, Public Works Department (Building Branch)

Ex-officio Member.

3. The Director of Public Instruction, Bengal

Members

4. Mr. T. H. Richardson, Professor, C. E. College.
5. Mr. W. F. Harnett, Loco and Carriage Superintendent, E. B. S. Railway, Kanchrapara.
6. Sir R. N. Mookerjee, C.I.E., Martin & Co.

Ex-officio Secretary.

7. The Principal, C. E. College, Sibpur
8. The Chief Inspector of Mines, India
9. The Superintendent of Industries
10. Mr. W. Tate, Professor, C. E. College.

Member.

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Ex-officio

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9. The Civil Surgeon of Howrah.
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11. The Principal, Civil Engineering College, Sibpur, *Secretary.*

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14. The Director of Public Instruction, Burma.

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17. Mr. S. Heslop, General Manager, New Birbhum Coal Company.
18. Mr. Phani Bhusan Mookerjee, B.Sc., Inspector of Schools, Presidency Division.
19. Babu Nibaran Chandra Sirkar, Messrs. Martin & Co.
20. Sir R. N. Mukerjee, C.I.E. Messrs. Martin & Co.
21. Mr. J. Taylor, Messrs Burn & Co.
22. Dr. Nil Ratan Sirkar, M.A., M.D.
23. Nawab A. F. M. Abdur Rahman
24. Mr. W. B. MacCabe, M. Inst., C.E., F.I.C., Chief Engineer to the Corporation of Calcutta.
25. The Senior Inspector of Mines.
26. Professor W. Tate, Assistant Secretary.

1913

GOVERNING BODY

1. The Member of Council-in-Charge of Education

Ex-officio President.

2. The Secretary to the Government of Bengal, Public Works Department (Buildings Branch)

Ex-officio Vice-President.

3. The Director of Public Instruction, Bengal

Ex-officio Members.

4. Mr. T. R. Richardson, Professor, C.E. College.
5. Mr. W. F. Hernott, Loco. and Carriage Superintendent, E. B. S. Railway, Kanchrapara.
6. The Superintendent of Industries

Members.

7. Sir R. N. Mookerji, K.C.I.E., Martin & Co.
8. The Principal, C.E. College, Sibpur.
9. Mr. E. H. Roberton, Professor, C.E. College.—
10. The Chief Inspector of Mines, India—

BOARD OF VISITORS

1. The Hon'ble Mr. P. C. Lyon, C.S.I., Member, Bengal Executive Council.
2. Secretary to the Government of Bengal, Public Works Department.
3. Director of Public Instruction, Bengal.
4. Commissioner of Burdwan Division.
5. Agent, East Indian Railway.
6. Agent, Eastern Bengal State Railway.
7. Agent, Bengal Nagpur Railway.
8. Chief Inspector of Mines.
9. District Magistrate of Howrah.
10. Civil Surgeon of Howrah.
11. Inspector of European Schools, Bengal.
12. Principal, Civil Engineering College, Sibpur, Secretary.
13. Secretary to the Government of Bihar and Orissa, Public Works Department, Roads and Buildings Branch.

14. Director of Public Instruction, Burma.
15. Director of Public Instruction, Assam.
16. Head Master of the Dacca School of Engineering.
17. Principal, Bihar School of Engineering.

Ordinary Members

18. The most Revd. R. S. Copleston, D. D., Lord Bishop of Calcutta.
19. Mr. S. H. Heslop, General Manager, New Birbhum Coal Company.
20. Mr. Phani Bhusan Mukerji, B.Sc. Inspector of Schools, Presidency Division.
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25. Nawab A.F.M. Abdur Rahman.
26. Mr. W. B. MacCabe, M.Inst. C.E., F.I.C., Chief Engineer to the Corporation of Calcutta.
27. Mr. R. R. Simson, Senior Inspector of Mines.
28. Mr. W. Tate, A.R.C.S., F.C.S., Professor of Civil Engineering College, Sibpur, Assistant Secretary.

1914

GOVERNING BODY

Ex-officio President

1. The Member of Council-in-charge of Education—

Ex-officio Vice-President

2. The Secretary to the Government of Bengal, Public Works Department, (Buildings Branch)

Ex-officio Member

3. The Director of Public Instruction, Bengal.

Members

4. Mr. T. H. Richardson, Professor, C.E. College.
5. Mr. W. Harnett, Loco. and carriage Superintendent E. B. S. Railway, Kanchrapara.
6. Sir R. N. Mookerji, K.C.I.E., Martin & Co.

Ex-officio Secretary

7. The Principal, C. E. College, Sibpur.

Ex-officio Member

8. The Chief Inspector of Mines, India.
9. The Superintendent of Industries.
10. Mr. E. H. Roberton Professor, C. E. College

BOARD OF VISITORS

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7. Agent, Bengal Nagpur Railway.
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15. Director of Public Instruction, Assam.
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24. Nawab A.F.M. Abdur Rahman.
25. Mr. W. B. MacCabe, M. Inst. C.E., F.I.C., Chief Engineer to the Corporation of Calcutta.
26. Mr. R. R. Simpson, Senior Inspector of Mines.
27. Mr. T. H. Richardson, Professor, Civil Engineering College, Sibpur, Assistant Secretary.

1915

GOVERNING BODY

1. The Member of Council–in–Charge of Education
Ex-officio President.
2. The Secretary to the Government of Bengal, Public Works Department (Buildings Branch)
Ex-officio Vice-President.
3. The Director of Public Instruction, Bengal.

Members.

4. Mr. T. H. Richardson, Professor, C.E. College, Superintendent, E.B.S. Railway, Kanchapara.
5. Md. W. F. Harnett, Loco and Carriage
6. Sir R. N. Mookherji, K.C.I.E., Martin & Co.

Ex-officio Secretary

7. The Principal, C.E. College Sibpur.
8. The Superintendent of Industries.
9. Mr. A. Maconal, Professor, C. E. College.

Ex-officioMembers.

10. The Chief Inspector of Mines, India.

BOARD OF VISITORS

Ex-officio

1. The Hon'ble Mr. P. C. Lyon, C.S.I., Member, Bengal Executive Council.
2. Secretary to the Government of Bengal, Public Works Department.
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6. Agent, Eastern Bengal State Railway.
7. Agent, Bengal Nagpur Railway.
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9. District Magistrate of Howrah.
10. Civil Surgeon of Howrah.
11. Inspector of European Schools, Bengal.

Secretary.

12. Principal, Civil Engineering College, Sibpur,
13. Secretary to the Government of Bihar and Orissa, Public Works Department, Roads and Buildings Branch.
14. Director of Public Instruction, Burma.
15. Director of Public Instruction, Assam.
16. Head Master of the Dacca School of Engineering.
17. Principal, Bihar School of Engineering.

1915

Ordinary Members

18. Mr. S. H. Heslop, General Manager, New Birbhum Coal Company.
19. Mr. Phani Bhusan Mukerji, B.Sc., Inspector of Schools, Presidency Division.
20. Babu Nibaran Chandra Sarkar of Messrs. N.C. Sarkar and Sons.
21. Sir R. N. Mookerji, K.C.I.E. Messrs, Martin & Co.
22. Mr. W. R, State, Messrs. Burn Co.
23. Dr. Nil Ratan Sirkar, M.A., M.D.
24. Nawab A.F.M. Abdur Rahman.
25. Mr. W. B. MacCabe, M. Inst. C.E., F.I.C., Chief Engineer to the Corporation of Calcutta.
26. Mr. R. R. Simpson, Senior Inspector of Mines.
27. Mr. T. H. Richardson, Professor of Civil Engineering College, Sibpur, Assistant Secretary.

1916

GOVERNING BODY

1. The Member of Council in charge of Education

Ex-officio President.

2. The Secretary to the Government of Bengal, Public Works Department (Building Branch)

Ex-officio Vice-President.

3. The Director of Public Instruction, Bengal.

Ex-officio Member.

Member.

4. Mr. T. H. Richardson, Professor, C.E. College
5. Mr. W. F. Harnett, Loco and Carriage Members.
Superintendent, E.B. Railway, Kanchrapara
6. Sir R. N. Mukerji, K.C.I.E., Martin & Co.
7. The Principal, C.E. College, Sibpur.

Ex-officio Secretary.

8. The Chief Inspector of Mines, India.

Ex-officio Member.

9. The Superintendent of Industries.
10. Mr. A. Macdonald, Professor, C.E. College.

BOARD OF VISITORS

Ex-officio

1. The Hon'ble Mr. P. C. Lyon, C.S.I., Member, Bengal Executive Council.
2. Secretary to the Government of Bengal, Public Works Department.
3. Director of Public Instruction, Bengal.
4. Commissioner of the Burdwan Division.
5. Agent, East Indian Railway.
6. Agent, Eastern Bengal Railway.
7. Agent, Bengal–Nagpur Railway.
8. Chief Inspector of Mines.
9. District Magistrate of Howrah.
10. Civil Surgeon of Howrah.
11. Inspector of Europeon Schools, Bengal.
12. Principal, Civil Engineering College, Sibpur, Secretary.
13. Secretary to the Government of Bihar and Orissa, Public Works Department, Roads and Buildings Branch.
14. Director of Public Instruction, Burma.
15. Director of Public Instruction, Assam.
16. Head Master of the Dacca School of Engineering.
17. Principal, Bihar School of Engineering.

Ordinary Members

18. Mr. S. H. Heslop, General Manager, New Birbhum Coal Company.
19. Mr. Phani Bhusan Mukerji, B.Sc. Inspector of Schools, Presidency Division.
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21. Sir R. N. Mukerji, K.C.I.E. of Messers. Martin & Co.
22. Mr. W. R. Steele of Messers. Burn & Co.
23. Dr. Nil Ratan Sirkar, M.A., M.D.
24. Nawab A.F.M. Abdur Rahman.
25. Mr. W. B. MacCabe, M. Inst. C.E., F.I.C., Chief Engineer to the Corporation of Calcutta.
26. R. R. Simpson, Senior Inspector of Mines.
27. Mr. T. H. Richardson, Professor of Civil Engineering College, Sibpur, Assistant Secretary.

1917

GOVERNING BODY

1. The Member of Council in charge of Education.

Ex-officio President.

2. The Secretary to the Government of Bengal, Public Works Department (Building Branch)

Ex-officio Vice-President.

3. The Director of Public Instruction, Bengal.

Ex-officio Members.

4. The Chief Inspector of Mines, India
5. The Superintendent of Industries.

Members.

6. Mr. T. H. Richardson, Professor, C.E. College.
7. Mr. E. H. Roberton, Professor, C. E. College.
8. Sir R. N. Mukerji, K.C.I.E., Martin & Co.
9. Mr. W. F. Harnett, Loco and Carriage Superintendent, E.B. Railway, Kanchrapara.

Ex-officio Secretary.

10. The Principal, C. E. College, Sibpur.

BOARD OF VISITORS.

Ex-Officio

1. The members of the Governing Body of the Civil Engineering College, Sibpur.
2. The members of the Minning Educational Advisory Board.
3. The members of the Joint Technical Examination Board.
4. The Director of Public Instruction, Bihar and Orissa.
5. The Director of Public Instruction, Burma.
6. The Director of Public Instruction, Assam.
7. The Commissioner of the Burdwan Division.
8. The District Magistrate of Howrah.
9. The Civil Surgeon of Howrah.
10. The Inspector of European Schools, Bengal.
11. A representative of the East Indian Railway nominated by the Agent.
12. A representative of the Bengal-Nagpur Railway nominated by the Agent.
13. A representative of the Eastern Bengal Railway nominated by the Agent.
14. The Deputy Director, Indian Marine, or an officer nominated by him.

Ordinary Members

15. A representative of Messers. Andrew Yule & Co.
16. The Hon'ble Maharaja Sir Manindra Chandra Nandi, K.C.I.E., of Kasim Bazar.
17. Mr. W. R. Steele of Messers. Burn & Co.
18. Colonel Grice, V.D., of Messers. Smith, Stanistreet & Co.
19. The Hon'ble Dr. Nilratan Sarkar, M.A., M.D.
20. Dr. P. C. Ray, D.Sc., C.I.E.
21. Nawab A.F.M. Abdur Rahaman, Khan Bhadur.
22. Rai Jogendra Chandra Ghose, Bahadur, M.A., B.L.

Domestic Sub-Committee

(1) The District Magistrate, Howrah.
(2) The Civil Surgeon, Howrah.
(3) The Inspector of European Schools
(4) Nawab A.F.M. Abdur Rahman, Khan Bhadur.
(5) The Hon'ble Dr. Nilratan Sarkar.
(6) Rai Jogendra Chandra Ghose Bahadur
(7) The Principal, Civil Engineering College
(8) Mr. T. H. Richardson.

1918

GOVERNING BODY

Ex-officio President.

1. The Member of Council in charge of Education.

Ex-officio Vice-President.

2. The Secretary to the Government of Bengal, Public Works Department (Buildings Branch).

Ex-officio Members.

3. The Director of Public Instruction, Bengal.
4. The Chief Inspector of Mines, India.
5. The Superintendent of Industries.

6. Mr. T. H. Richardson, Professor, C.E. College.
7. Mr. E. H. Robertson, Professor, C.E. College.
8. Sir R. N. Mookerji, K.C.I.E., Martin & Co.
9. Mr. W. F. Harnett, Loco and Carriage Superintendent, E.B.Railway, Kanchrapara.

Ex-officio Secretary.

10. The Principal, C.E.College, Sibpur.

BOARD OF VISITORS.

Ex-officio Members

1. The members of the Governing Body of the Civil Engineering College, Sibpur.
2. The members of the Mining Educational Advisory Board.
3. The members of the Joint Technical Examination Board.
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5. The Director of Public Instruction, Burma.
6. The Director of Public Instruction, Assam.
7. The Commissioner of the Burdwan Division.
8. The District Magistrate of Howrah.
9. The Civil Surgeon of Howrah.
10. The Inspector of European Schools, Bengal.
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12. A representative of the Bengal Nagpur Railway nominated by the Agent.
13. A representative of the Eastern Bengal Railway nominated by the Agent.
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20. Dr. P. C. Ray, D.Sc., C.I.E.
21. Nawab A. F. M. Abdur Rahman, Khan Bahadur.
22. Rai Jogendra Chandra Ghose Bahadur, M.A., B.L.

Office Sub-Committee

1. The District Magistrate, Howrah.
2. The Civil Surgeon, Howrah.
3. The Inspector of European Schools.
4. Nawab A.F.M. Abdur Rahman, Khan Bahadur.
5. The Hon'ble Sir Nilratan Sarkar.
6. Rai Jogendra Chandra Ghose Bahadur.
7. The Principal, Civil Engineering College.
8. Mr. T. H. Richardson.

1919

GOVERNING BODY.

Ex-officio President.

1. The Members of Council in charge of Education.

Ex-officio Viee-President.

2. The Secretary to the Government of Bengal, Public Works Department (Buildings Branch).

Ex-officio Members

3. The Director of Public Instruction, Bengal.
4. The Chief Inspector of Mines, India
5. The Superintendent of Industries

Members

6. Mr. T. H. Richardson, Professor, C.E.College.
7. Mr. E. H. Roberton, Professor, C.E. College.
8. The Hon. Sir R. N. Mukerjee, K.C.I.E., Martin & Co.
9. Mr. C. D. M. Hindley, Deputy Agent, E.I. Railway.

Ex-officio Member and Secretary.

10. The Principal, C.E.College, Sibpur.

BOARD OF VISITORS.

Ex-officio Members

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3. The members of the Joint Technical Examination Board.
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5. The Director of Public Instruction, Burma.
6. The Director of Public Instruction, Assam.
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22. Rai Jogendra Chandra Ghose Bahadur, M.A.,B.L.

Domestic Sub-Committee

1. The District Magistrate, Howrah.
2. The Civil Surgeon, Howrah.
3. The Inspector of European Schools.
4. Nawab A.F.M. Abdur Rahman, Khan Bahadur.
5. The Hon'ble Sir Nilratan Sarkar.
6. Rai Jogendra Chandra Ghose Bahadur.
7. The Principal, C.E.College.
8. Mr. T. H. Richardson.

1920

Ex-officio President.

1. The Member of Council in charge of Education

Ex-officio Vice-President.

2. The Secretary to the Govt. of Bengal, Public Works Deptt. (Buildings Branch)

Ex-officio Members.

3. The Director of Public Instruction, Bengal
4. The Chief Inspector of Mines, India.
5. The Superintendent of Industries.
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8. The Hon. Sir R. N. Mukerjee, Martin & Co.
9. Mr. C. D. M. Hindley, Deputy Agent, E.I.Rly.

Ex-officio Member and Secretary.

10. The Principal, B.E.College, Sibpur,

BOARD OF VISITORS.

Ex-officio Members

1. The members of the Governing Body of the B.E College, Sibpur.
2. The members of the Mining Education Advisory Board.
3. The members of the Joint Technical Examination Board.
4. The members of the Faculty of Engineering of the Calcutta University.
5. The District Magistrate, Howrah.
6. The Civil Surgeon, Howrah.
7. The Inspector of European Schools, Bengal.
8. The Sanitary Engineer, Bengal.
9. The Consulting Architect to Government.
10. The Director of Industries, Bengal.

Ordinary Members

11. The Hon'ble Maharaja Sir Manindra Chandra Nandi of Kasimbazar.
12. The Hon'ble Dr. Sir Nilratan Sarkar, KT., M.D.
13. The Hon'ble Mr. Ashraf Ali Khan Chaudhuri.
14. Rai Annada Prasad Sarkar Bahadur.
15. Mr. G. H. Fairhurst, of Messrs. Burn & Co.
16. Mr. A. H. Aslett, representative of the East Indian Railway.
17. Mr. A. C. Carr, representative of the Bengal Nagpur Railway.
18. The Locomotive Superintendent, Eastern Bengal Railway, representative of the Eastern Bengal Railway.

1921.

GOVERNING BODY

Ex-officio President.

1. The member of Council in charge of Education

Ex-officio Vice-President.

2. The Secretary to the Govt. of Bengal, Public Works Deptt. (Buildings Branch)

Ex-officio Members.

3. The Director of Public Instruction, Bengal
4. The Chief Inspector of Mines, India.
5. The Director of Industries.

Members

6. Mr. T. H. Richardson, Prof., B. E. College.
7. Mr. R. Wolfenden, Prof. B. E. College.
8. The Hon'ble Sir R. N. Mookerjee, Martin & Co.
9. Mr. C. D. M. Hindley, Deputy Agent. E.I.Rly.
10. Dr. H. Suhrawardy.

Ex-officio Member and Secretary.

11. The Principal, B. E. College

BOARD OF VISITORS

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1. The members of the Governing Body of the B.E. College.

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13. The Hon'ble Mr. Ashraf Ali Khan Chaudhuri.
14. Rai Annada Prasad Sarkar Bahadur.
15. Mr. G. H. Fairhurst, of Messrs Burn & Co.
16. Mr. A. H. Aslett, representative of the East Indian Railway.
17. Mr. A. C. Carr., representative of the Bengal Nagpur Railway.
18. The Locomotive Superintendent, Eastern Bengal Railway, representative of the Eastern Bengal Railway.

1922–23.

GOVERNING BODY

Ex-officio President.

1. The member of Council in charge of Education.

Ex-officio Vice-President.

2. The Secretary to the Govt. of Bengal, Public Works Deptt.(Buildings Branch).

Ex-officio Members.

3. The Director of Public Instruction, Bengal.
4. The Chief Inspector of Mines, India.
5. The Director of Industries.

Members.

6. Mr. E. H. Robertson, Professor, B. E. College.
7. Mr. R. Wolfenden, Prof. B. E. College.
8. The Hon. Sir R. N. Mookerjee, Martin & Co.
9. Mr. C. D. M. Hindley, Deputy Agent, E.I.Rly.
10. Dr. H. Suhrawardy

Ex-officio Member and Secretary.

11. The Principal, B.E. College.

BOARD OF VISITORS.

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6. The Civil Surgeon, Howrah.
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8. The Sanitary Engineer, Bengal.
9. The Consulting Architect to Government.
10. The Director of Industries, Bengal.

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12. The Hon'ble Dr. Sir Nilratan Sarkar.
13. The Hon'ble Mr. Ashraf Ali Khan Chaudhuri.
14. Rai Annada Prosad Sarkar Bahadur.
15. Mr. G. H. Fairhurst of Messrs. Burn & Co.
16. Mr. A. H. Aslett, representative of the East Indian Railway.
17. Mr. A. C. Carr, representative of the Bengal Nagpur Railway.
18. The Locomotive Superintendent, Eastern Bengal Railway, representative of the Eastern Bengal Railway.

1927–28.

GOVERNING BODY.

President :

1. The Member of Council in charge of Education.

Vice-President (Ex-officio)

2. The Secretary to the Govt. of Bengal, Public Works Department. (Buildings Branch)

Members

1. The Director of Public Instruction, Bengal.
2. The Chief Inspector of Mines, India.
3. The Director of Industries.
4. Mr. F. W. Allum, Prof., Member B. E. College.
5. Mr. R. Wolfenden, Prof., B. E. College.
6. Sir R. N. Mookerjee, Martin & Co.
7. Sir George Godfrey, Bird & Co.
8. The Principal, B. E. College.

1933–34.

GOVERNING BODY.

President :

1. The Chief Engineer, Govt. of Bengal, Public Works Deptt. (*Roads & Bldgs.*)

Members

2. The Director of Public Instruction, Bengal.
3. The Chief Inspector of Mines, India.
4. The Director of Industries.
5. Mr. C. V. Miller, Prof., B.E. College.
6. Mr. J. M. Bose, Prof., B. E. College.
7. Mr. P. N. Banerjee, Martin & Co.
8. B. R. Singh Bahadur, Agent, Eastern Bengal Railway.
9. Rai Girish Chandra Das Bahadur.
10. Mr. O. Dowla, Barrister-at-Law.
11. The Principal, B. E. College.

1937–38

GOVERNING BODY

President

1. The Chief Engineer, Government of Bengal, Public Works Department (Roads and Buildings).

Members

2. The Director of Public Instruction, Bengal.
3. The Electrical Engineer-in-Chief, Post & Telegraphs, Bengal.
4. The Director of Industries.
5. Mr. C. V. Miller, Professor, B. E. College.
6. Mr. N. N. Sen, Professor, B. E. College.
7. Mr. P. N. Banerjee, Martin & Co.
8. Chief Engineer, Bengal Nagpur Railway.
9. Rai Girish Chandra Das Bahadur(deceased) Mr. Horn- blower.
10. Khan Bahadur Md. A. Momin, C.I.E.
11. Dr. M. Qudrat-i-Khuda, Professor, Presidency College, Calcutta.
12. The Principal, B. E. College,.

1938–39

GOVERNING BODY

Ex-officio Members

1. The Chief Engineer, Govt. of Bengal, Deptt. of Communication and Works (C & B) Road & Buildings Branch...President.
2. The Director of Public Instruction, Bengal.
3. The Electrical Engineer-in-Chief, Posts & Telegraphs Bengal.
4. The Director of Industries, Bengal.
5. The Principal, Bengal Engineering College.

Ordinary Members

1. Mr. P. N. Banerjee, Messers Martin & Co., Calcutta.
2. Rai Girish Chandra Das Bahadur.
3. The Chief Engineer, B. N. Rly.
4. Khan Bahadur Md. A. Momin, C.I.E.
5. Mr. C. V. Miller, prof. B. E. College.
6. Mr. N. N. Sen, Prof., B. E. College.
7. Dr. M. Qudrat-i-Khuda, Prof, Presidency College.

1939–40

GOVERNING BODY

Ex-officio Members

1. The Chief Engineer, Government of Bengal, Department of Communications and Works (C. & B.) Roads & Buildings Branch *President.*
2. The Director of Public Instruction, Bengal.
3. The Director of Industries, Bengal.
4. The Electrical Engineer-in-Chief, Posts & Telegraphs, Bengal.
5. The Principal, Bengal Engineering College.

Ordinary Members

1. Mr. P. N. Banerjee, Messrs. Martin & Co. Calcutta.
2. Mr. T. J. Hornblower, Director, Messrs. Saxby & Farmer (India) Ltd., Calcutta.
3. The Chief Engineer, B. N. Rly, Calcutta.
4. Khan Bahadur Mv. Md. A. Momin, C.I.E.
5. Dr. Qudrat-i-Khuda, Professor, Presidency College.
6. Mr. C. V. Miller, Professor, Bengal Engineering College.
7. Mr. N. N. Sen, Professor, Bengal Engineering College.

1940–41.

Ex-officio Members

1. The Chief Engineer, Government of Bengal, Department of Communication & Works (C & B), Roads & Buildings...President.
2. The Director of Public Instruction, Bengal.
3. The Director of Industries, Bengal.
4. The Electrical Engineer-in-Chief, Posts & Teligraphs, Bengal.
5. The Principal, Bengal Engineering College... *Secretary,*

Ordinary Members.

1. P. N. Banerjee, Esq., Messrs. Martin & Co., Calcutta.
2. T. J. Hornblower, Esq., Director, Messrs. Saxby & Farmer (India) Ltd., Calcutta.
3. The Chief Engineer, B. N. Railway, Calcutta.
4. Khan Bahadur Mv. Md. A. Momin, C.I.E.
5. Dr. Qudrat-i-Khuda, Professor, Presidency College.
6. C. V. Miller, Esq., Professor, Bengal Engineering College.
7. N. N. Sen, Esq., Professor, Bengal Engineering College.

1941–42

Ex-officio Members.

1. The Chief Engineer, Govt. of Bengal (Roads & Buildings) *President.*
2. The Electrical Engineer-in-Chief, Posts & Telegraphs, Bengal.

3. The Director of Industries, Bengal.
4. The Assistant Director of Public Instruction for Muslim Education, Bengal.
5. The Principal, Bengal Engineering College-.

Members.

1. Mr. P. N. Banerjee of Messrs. Martin & Co., Calcutta.
2. The Chief Engineer, Bengal Nagpur Railway, Calcutta.
3. Khan Bhadur Moulvi Md. Momin, C.I.E.
4. Dr. Itrat Hussain Zuberi, Principal, Islamia College, Calcutta.
5. Mr. S. N. Ghose, Chief Engineer, Public Health Department Bengal.
6. Mr. C. V. Miller, Vice-Principal. B. E. College.
7. Mr. N. N. Sen, Professor, B. E. College.
8. Mr. M. SenGupta, Professor, B. E. College.
9. Mr. D. H. Remfry, Representative of the Institution of Engineers (India) Bengal Centre.

1942-43.

Ex-officio Members.

1. The Chief Engineer, Govt. of Bengal (Roads & Buildings) *President.*
2. The Electrical Engineer-in-chief, Posts & Telegraphs, Bengal.
3. The Director of Industries, Bengal.
4. The Assistant Director of Public Instruction for Muslim Education, Bengal.
5. The Principal, Bengal Engineering College. *Secretary.*

Members

6. Mr. P. N. Banerjee of Messrs. Martin & Co., Calcutta.
7. The Chief Engineer, Bengal Nagpur Railway, Calcutta.
8. Khan Bhadur Moulvi Md. Momin, C.I.E.
9. Dr. Itrat Hussain Zuberi, Principal, Islamia College, Calcutta.
10. Mr. S. N. Ghosh, Chief Engineer, Public Health Department, Bengal.
11. Mr. C. V. Miller, Vice-Principal B. E. College.
12. Mr. N. N. Sen, Professor ,B. E. College.
13. Mr. M. SenGupta, Professor, B. E. College.
14. Mr. D. H. Remfry, Representative of the Institution of Engineers (India) Bengal Centre.

1943–44.

Ex-officio Members

1. The Chief Engineer, Govt. of Bengal, Roads & Buildings. *President.*
2. The Electrical Engineer-in-chief, Posts & Telegraphs, Bengal.
3. The Director of Industries, Bengal.
4. The Assistant Director of Public Instruction for Md. Education Bengal. *Ex-officio Secretary.*
5. The Principal, Bengal Engineering College

Members

6. Mr. P. N. Banerjee of Messrs. Martin & Co., Calcutta.
7. The Chief Engineer, Bengal Nagpur Railway, Kidderpore, Calcutta.
8. Dr. A. Jardine of Messrs. Jessop & Co., Calcutta.
9. Dr. M. Qudrat-i-Khuda, Professor, Presidency College.
10. Mr. S. N. Ghosh, Chief Engineer, Public Health Department, Bengal.
11. Mr. R.G.P.S. Fairbairn, Professor, B. E. College.
12. Mr. N. N. Sen, Professor, B. E. College.
13. Dr. A. Haque, Professor of Physics, B. E. College.
14. Mr. S. K. Chakravarti M. I. E. (Ind), Rrepresentative of the Institution of Engineers (India) Bengal Centre.

1944–45.

Ex-officio Members

1. The Chief Engineer, Govt. of Bengal, Roads & Buildings *President.*
2. The Electrical Engineer-in-chief, Posts & Telegraphs, Bengal.
3. The Director of Industries, Bengal.
4. The Assistant Director of Public Instruction for Mohamedan Education, Bengal.
5. The Principal, Bengal Engineering College..... *Secretary.*

Members

6. Mr. P. N. Banerjee of Messrs Martin & Co., Calcutta.
7. The Chief Engineer, Bengal Nagpur Railway, Kidderpore, Calcutta.
8. Dr. A. Jardin of Messrs. Jessop & Co., Calcutta.
9. Dr. M. Qudrat-i-Khuda, Prof., Presidency College, Calcutta.
10. Mr. S. N. Ghosh, Chief Engineer, Public Health Deptt., Bengal.
11. Mr. R. G. P. S. Fairbairn, Prof., B. E. College.
12. Mr. N. N. Sen, Professor, B. E. College.
13. Dr. A. Haque, Prof., B. E. College.
14. Mr. S. K. Chakravarti, a representative of the Institution of Engineers (India) Bengal Centre.

1945–46.

Ex-officio Members

1. The Chief Engineer, Government of Bengal (Works & Buildings) *President.*
2. The Electrical Engineer-in-chief, Posts & Telegraphs, Bengal,
3. The Director of Industries, Bengal.
4. The Assistant Director of Public Instruction for Muslim Education, Bengal.
5. The Principal, Bengal Engineering College. *Secretary.*

Members

6. Mr. P. N. Banerjee of Messrs. Martin & Co., Calcutta.
7. The Chief Engineer, B. N. Railway, Calcutta.
8. Mr. S. K. Chakravarti, M. I. E. (Ind.), Representative of the Institution of Engineers, India (Bengal Centre).
9. Mr. F. J. Russel, O. B. E., I. S.E., Chief Engineer, C.&.W. (Irrigation) Department, Calcutta.
10. S. S. H. Sitwell of Messrs. Jessop & Co., Calcutta.
11. Mr. A. M. Ahmed, Inspector of Industrial & Technical Institution, Bengal (Offg.Prof. of M.E., B. E. College.)
12. Mr. R. G. P. S. Fairbairn, Prof. B. E. College.
13. Mr. B. Sen, Prof. B. E. College.
14. Mr. M. K. Mondal, Lecturer B. E. College.

1946–47.

Ex-officio Members

1. The Chief Engineer, Government of Bengal (Works & Buildings) *President.*
2. The Electrical Engineer-in-Chief, Posts & Teligraphs, Bengal.
3. The Director of Industries, Bengal.
4. The Assistant Director of Public Instruction for Muslim Education, Bengal.

Ex-officio Secretary.

5. The Principal, Bengal Engineering College

Members

6. Mr. P. N. Banerjee of Messrs. Martin & Co., Calcutta.
7. The Chief Engineer, B. N. Railway, Calcutta.
8. Mr. J. F. Russel, Chief Engineer, C. &. W. (Irrig.) Deptt., Calcutta.
9. Mr. S. S. H. Sitwell of Messrs. Jessop & Co., Ltd., Calcutta.
10. Mr. A. M. Ahmed, Inspector of Industrial and Technical Institutions.
11. Mr. R. G. P. S. Fairbairn, Prof. B. E. College.
12. Mr. B. B. Sen, Prof. College.
13. Mr. M. K. Mondol, Lecturer, B. E. college.
14. Mr. S. K. Chakravarti Representative of the Institution of Engineers, Bengal Centre.

1947–48.

Ex-officio Members

1. The Chief Engineer, Government of West Bengal (W. & B.) *President.*
2. The Executive Engineer-in-chief, P. & T., West Bengal, Alipore.
3. The Director of Industries, West Bengal.
4. The Assistant Director of Public Instruction for Muslim Education West Bengal.
5. The Principal, Bengal Engineering College *Secretary.*

Members

6. Sri P. N. Banerjee of Messrs. Martin & Co., Calcutta.
7. The Chief Engineer, B. N. Railway, Calcutta.
8. Sri S. K. Chakravarti, Representative of the Institution of Engineers (India), West Bengal Centre.
9. Mr. J. F. Russell, Chief Engineer, C. & W. (Irrigation),Calcutta.
10. Mr. S. S. Sitwell of Messrs. Jessop & Col, Ltd., Calcutta.
11. Janab A. M. Ahmed, Inspector of Industrial & Technical Institute, West Bengal.
12. Mr. R. G. P. S. Fairbairn, Prof. of Mechanical Engineerin, B. E. College.
13. Dr. B. Set, Prof. B. E. College.
14. Sri B. B. Sen, Professor Bengal Eng. College.

1948–49.

1. Sir Birendra Nath Mookerjee... ...*President.*

Ex-officio Members

2. Chief Engineer, Works & Buildings Department, Govt. of West Bengal.
3. Chief Engineer, Irrigiation & Waterways Deptt. Govt. of West Bengal.
4. Chief Electrical Engineer, Electricity Development, Govt, of West Bengal.
5. Director of Industries, West Bengal.
6. Chief Engineer, East Indian Railway.
7. Chief Engineer, Bengal Nagpur Railway.
8. Principal, Bengal Engineering College ...*Secretary.*

9. Sri S. K. Chakravarti, B. E., C. E., M.I.E.,(Ind.).
10. Sri S. L. Das, Deputy Chairman, Port Commissioner, Calcutta.
11. Mr. D. C. Driver, Deputy Agent, Tata Iron & Steel Co., Ltd.
12. Sri S. N. Ghosh, Representative of the Institution of Engineers.
13. Mr. Bernard Mathews.
14. Sri N. k. Mitra.
15. Sri A. C. Roy, Prof. of B.E. College.
16. Dr. B. B. Sen, Prof. of B.E. College

1949–1950

1. Sir Birendra Nath Mookerjee ... ...*President.*

Ex-officio Members

2. Chief Engineer, Works & Buildings Department, Govt. of West Bengal.
3. Chief Engineer, Irrigation & Waterways, Government of West Bengal.
4. Chief Electrical Engineer, Electricity Development, Govt, of West Bengal.
5. Director of Industries, West Bengal.
6. Chief Engineer, East Indian Railway.
7. Chief Engineer, Bengal Nagpur Railway.
8. Principal Bengal Engineering College ...*Secretary.*

9. Sri S. K. Chakravarti,
10. Sri S. L. Das, Deputy Chairman, Port Commissioner, Calcutta.
11. Mr. D. C. Driver, Deputy Agent, Tata Iron & Steel Co., Ltd.
12. Sri S. N. Ghosh, Representative of the Institute of Engineers.
13. Mr. Bernard Mathews.
14. Sri N. K. Mitra.
15. Sri A. C. Roy, Prof. Bengal College.
16. Sri N. C. Bose, Prof. Bengal College.

1950–51.

1. Sir Birendra Nath Mookerjee ... ...*President.*

Ex-officio Members

2. Sri T. Mitra, Chief Engineeer, Works & Buildings Deptt. Government of West Bengal.
3. Sri G. B. Mondal, Chief Engineer, Irrigiation & Waterways Deptt. Government of West Bengal.
4. Sri A. K. Bhowmik, Chief Electrical Engineer, Electricity Development, Go of West Bengal.
5. Sri D. N. Ghosh, Director of Industries, West Bengal.
6. Sri K. P. Modwel, Chief Engineer, East Indian Railway.
7. Sri P. C. Chakravarty, Chief Engineer, Bengal Nagpur Railway.
8. Dr. S. R. SenGupta, Principal, Bengal Engineering College ... ...*Secretary.*

Members.

9. Sri S. K. Chakravarti.
10. Sri S. L. Das, Dy. Chairman, Port Commissioners, Calcutta (Retd.)
11. Mr. D. C. Driver, Messrs. Macneill & Barry Ltd., Calcutta.
12. Sri S. N. Ghosh, Representative of the Institution of Engineers.
13. Mr. Bernard Mathews.
14. Sri N. K. Mitra.
15. Sri A. C. Roy, Prof. Bengal Eng College.
16. Sri K. Ray, Prof. Bengal Eng College.

1951–52.

1. Sir Birendra Nath Mookerjee ... ...*President.*

Ex-officio Members.

2. Sri T. Mitra, Chief Engineer, Works & Buildings Deptt., Govt.of West Bengal.
3. Sri G. B. Mondal, Chief Engineer, Irrigiation & water ways Deptt. Government of West Bengal.
4. Sri A. K. Bhowmik, Chief Electrical Engineer, Electricity Development Government of West Bengal.
5. Sri K. P. Modwel, Chief Engineer, East Indian Railway.
6. Sri P. C. Chakravarty, Chief Engineer, B. N. Rly.
7. Mr. G. S. Madan, Chief Engineer. Calcutta Port Commissioners.
8. Dr. S. R. Sen Gupta, Principal, Bengal Engineering College ... ...*Secretary.*

Members.

9. Sri D. P. Acharya. Asstt Director of Public Instruction, West Bengal.
10. Sri S. K. Chakravarti.
11. Mr Bernard Matthews, Architect.
12. Sri N. K. Mitra.
13. Mr. R. G. P. S. Fairbairn, Prof. B. E. College.

14. Sri A. S. Sen, Prof. Bengal Engineering College.
15. Sri D. N. Ganguly, Chief Engineer, Calcutta Corporation, Calcutta.
16. Sri P. C. Bose, Representative of the Institution of Engineers (India)
17. Sri Raja Gopalan, Deputy Agent, Tata Iron & Steel Co. Ltd.
18. Mr. F. N. Acheson, Chief Engineer, Calcutta Electric Supply Corpn.
19. Dr. B. C. Guha, Member, D.V.C.
20. Mr. W. E. Murphy, Representative of the Indian Engineering Association.
21. Mr. B. K. Rohatgi, Representative of the Engineering Asson, of India.

1952–53.

1. Sir Birendra Nath Mookerjee ... ...*Chairman.*

Ex-officio Members

2. Sri T. Mitra, Chief Engineer, Works & Buildings Deptt., Govt. of West Bengal.
3. Sri G. B. Mondal, Chief Engineer, I. &. W., Govt. of West Bengal.
4. Sri A. K. Bhowmik, Chief Electrical Engineer, West Bengal Govt.
5. Sri P. C. Chakravarty, Chief Engineer, Eastern Railways.
6. Sri G. S. Madan, Chief Engineer, Calcutta Port Commissioners.
7. Dr. S. R. SenGupta, Principal, Bengal Engineering College ... ...*Secretary.*

Ordinary Members.

8. Sri D. P. Acharya, Asstt, Director of Public Instruction, West Bengal.
9. Sri S. K. Chakravarti.
10. Mr. Bernard Matthews, Architect.
11. Sri N. K. Mitra.
12. Mr. R. G. P. S. Fairbairn, Prof, B. E. College.
13. Sri A. C. Roy, Prof. B. E. College.
14. Sri D. N. Ganguly, Chief Engineer, Corporation of Calcutta.
15. Sri P. C. Bose, Representative of the Institution of Engineers (India).
16. Sri Raja Gopalan, Deputy Agent, Tata Iron & Steel Co., Ltd.
17. Mr. F. W. Acheson, Chief Engineer, Calcutta Electric Supply Corpn. Ltd.
18. Dr. B. C. Guha, Member, Damodar Valley Corporation.
19. W. E. Murphy, Representative of the Indian Engineering Association.
20. Mr. B. K. Rohatgi Representative of the Engineering Asson. of India.

1953–54.

1. Sir Birendra Nath Mookerjee ... ...*Chairman.*

Ex-officio Members

2. Shri T. Mitra, Chief Engineer, Works & Buildings Deptt., Govt.of West Bengal.
3. Shri G. B. Mondal, Chief Engineer, I. & W., Govt. of West Bengal.
4. Shri A. K. Bhowmik, Chief Engineer, Electricity Development, Govt.of West Bengal.
5. Shri P. C. Chakravarty, Chief Engineer, Eastern Railway.
6. Shri G. S. Madan, Chief Engineer, Calcutta Port Commissioners.
7. Dr. S. R. SenGupta, Principal, Bengal Engineering College.

Ordinary Members.

8. Shri D. P. Acharya, M.Sc.,Asstt. Director of Public Instruction, West Bengal.
9. Shri S. K. Chakravarti, Messrs. S. K. Chakravarti Ltd.
10. Mr. Bernard Mathews, Architect.
11. Shri N. K. Mitra.
12. Prof. A. C. Roy, Prof. B. E. College.
13. Shri K. C. Ray, Associate Prof.of Civil Engineering.
14. Shri D. N. Ganguly, Chief Engineer, Calcutta Corporation.
15. Shri P. C. Bose, Representative of the Institution of Engineers (India)
16. Shri Raja Gopalan, Dy. Agent, Messrs. Tata Iron & Steel Co., Ltd.
17. Mr. F. W. Acheson, Chief Engineer, The Calcutta Electric Supply Corporation.
18. Dr. B. C. Guha, Member, Damodar Valley Corporation.
19. Mr. W. E. Murphy, C/o Messrs. Guest Keen, Williams, Ltd.
20. Mr. B. K. Rohati, Representative of the Engineering Asson. of India.

1954–55.

1. Sir Birendra Nath Mookerjee ... ...*President.*

Ex-officio Members

2. Chief Engineer, Works & Buildings Deptt., Govt. of West Bengal.
3. Chief Engineer, I. & W., Govt. of West Bengal.
4. Chief Electrical Engineer, Electricity Development Govt. of West Bengal.
5. Chief Engineer, Eastern Railway, Calcutta.
6. Chief Engineer, Calcutta Port Commissioner.
7. Principal, Bengal Engineering College *Secretary.*

Ordinary Members.

8. Shri A. C. Sen, Chief Inspector of Technical Education. Govt. of West Bengal.
9. Shri P. C. Bose, Chief Engineer, Public Health Engineering, Govt of West Bengal.
10. Mr. Bernard Mathews, Architect.
11. Shri N. K. Mitra.
12. Shri J. N. Das Gupta.
13. Shri S. N. Ray. of Electrical Engg., B. E. College.
14. Shri K. C. Ray, Prof. B. E. College.
15. Shri A. K. Sen, Chief Engineer, Calcutta Corporation.
16. Shri H. C. Mukerjee, Representative of the Institution of Engineers (India).
17. Shri A. Rajagopalan, Agent, Messrs. Tata Iron Steel Co. Ltd.
18. Mr. D. H. P. Henderson, Chief Engineer, Calcutta Electric Supply.
19 Shri A. B. Ganguly, Member Damodar Valley Corporation.
20. Mr. W. E. Murphy, Representative of the Indian Engineering Association.
21. Shri D. N. Jalan, Representative of the Engineering Association of India.

1955–56.

1. Sir Biren Mookerjee ... ...*President.*
2. Chief Engineer, W. & B., Govt. of West Bengal.
3. Chief Engineer, I. &.W. Deptt., Govt. of West Bengal.
4. Chief Electrical Engineer, Electricty Development Govt. of West Bengal.
5. Chief Engineer, Eastern Railway, Calcutta.
6. Chief Engineer, Calcutta Port Commissioners.
7. Principal, Bengal Engineering College. *ex-officio Secretary.*

Ordinary Members

8. Shri A. C. Sen, Chief Inspector of Tech. Edn., Govt.of West Bengal.
9. Shri P. C. Bose, Chief Engineer, P. H. Engg., Govt. of West Bengal.
10. Mr. Bernard Matthews, Architect.
11. Shri N. K. Mitra.
12. Shri J. N. Das Gupta.
13. Dr. G. P. Chatterjee, Prof. B. E. College.
14. Shri K. C. Ray, Prof., B. E. College.
15. Shri A. K. Sen, Chief Engineer, Calcutta Corporation.
16. Shri H. C. Mukherjee, Chief Valuer, Calcutta Improvement Trust.
17. Shri A. Rajagopalan, Agent, Messrs. Tata Iron & Steel Co. Ltd.
18. Mr. D. H. P. Henderson, Chief Engineer, Calcutta Electric Supply Corpn.
19. Shri A. B. Ganguly, Member, D. V. C.
20. Mr. W. E. Murphy., C/o Messrs. Guest Keen Williams Ltd.
21. Shri D. N. Jalan.

LIST OF EX-STUDENTS

ENGINEERS

1861.

Adems, H.M.
Chatterjee, Mathura Nath.
De, Baikunta Nath.
De, Jadab Chandra.
Ghose, Omesh Chunder.
Sen, Dina Nath.

1862.

Chandra, Mahendra Lal.
Chatterjee, Hem Chandra.
Chatterji, SatKari.
Chaudhuri, Kunja Behari.
Das, Bhola Nath.
De, Moti Lal.
Ghose, Romesh Chandra.
Ghose, Umesh Chandra.
Mazumdar, Ram Ratan.
Mitra, Parbati Charan.
Mukerji, Benod Chand.
Mukerji, Ram Krishna.
Pandit, Surja Kumar.
Ray, Dines Chandra.

1863.

Nil.

1864.

Banerji, Raj Krishna, L.C.E.
Chatterji, Satkari, B.C.E.
Chowdhuri, Ambica Charan, B.C.E.
Das, Kedar Nath, L.C.E.
Kumar, Raj Krishna, L.C.E.

PRESIDENCY COLLEGE.

1865.

Atkinson, A.D., L.C.E.
Sarkar, Purna Chandra, L.C.E.

1866.

Nil

1867.

Banerjee, Kanti Chandra, L.C.E.
Banerjee, Preo Nath, L.C.E.,A.C.
Bose, Bhubon Mohan, L.C.E., A.C.
Chowdhuri, Amrita Lal Ray, L.C.E.,A.E.
Ghose, Kshetra Nath, L.C.E., A.E.,
Lakerstein, M.R., L.C.E., A.E.
Mukerji, Anadi Nath, L.C.E., A.E.

1868.

Mukerji, Jogindra Nath, L.C.E., A.E.
Mazumdar, Ram Ratan, B.C.E.

1869.

Patnaik, Sudam Chandra, L.C.E., A.E.
Roy, Jnan Chandra, L.C.E., A.E.
Ray, Madhab Chandra, B.C.E.
Sen, Kali Pada, B.C.E., A.E.
Sinha, Adya Narayan, L.C.E., B.E.

1870.

Banerji, Haran Chandra, L.C.E., A.E.
Mukerji, Aghor Nath, L.C.E., A.E.
Mukerji, Kali Prasanna, L.C.E. A.E.

1871.

Chatterji, Kali Sankar, L.C.E., A.E.
Chatterjee, Rakhal Das, L.C.E., A.E.

1872.

Bremner, A.C., B.C.E., A.E.
Banerji, Dharanidhar, L.C.E., A.E.
Chaudhuri, Kirti Chandra, L.C.E., A.E.
Daniari, Prasanna Kumar, L.C.E.
Milne, W.P., L.C.E., A.E.

1873.

Pal, Prasanna Kumar, L.C.E., A.E.
Swinden, J.R., L.C.E., A.E.
Banerji, Troylokya Nath, L.C.E., A.E.
Choudhuri, Nitai Gobinda, B.C.E., A.E.
D'Rozario, F.M., L.C.E., A.E.
Rees, John C., B.C.E., A.E.

1874.

Chakravarti, Bhut Nath, L.C.E., A.E.
Das, Heramba Nath, L.C.E., A.E.

1875.

Ash, Moti Lal, L.C.E., A.E.
Bhar, Girish Chandra, L.C.E., A.E.
Bose, Kena Ram, L.C.E., A.E.
Bose, Ambika Charan, B.C.E., A.E.
Bose, Benoy Krishna, L.C.E., A.E.
Das, Raj Krishna, L.C.E., A.E.
Ghose, Priya Nath, L.C.E.
Gupta, Nabin Krishna, B.C.E., A.E.
Mitra, Sosi Bhusan, B.C.E., A.E.
Pal, Hari Das, B.C.E., A.E.

1876.

Banerji, Gopal Lal, L.C.E., A.E.
Chatterjee, Nagendra Nath, B.C.E., A.E.
Chakravarty, Durga Charan, L.C.E.
Dutt, Girish Chandra, L.C.E., A.E.
Lahiri, Ashutosh, B.C.E., A.E.
Mukerji, Kisori Mohan, L.C.E., A.E.
Pal, Brindaban Chandra, L.C.E., A.E.
Sen, Mahendra Nath, B.C.E., A.E.

1877.

Bose, Kunja Behari, L.C.E., A.E.
Biswas, Ganga Charan, B.C.E., A.E.
Chatterji, Purna Chandra, L.C.E., A.E.
Ghose, Jogendra Nath, L.C.E., A.E.
Mukerji, Atul Krishna, B.C.E. A.E.
Mukerji, Benoy Krishna, L.C.E., A.E.
Pal, Binode Behari, L.C.E., A.E.
Pal, Hari Charan, L.C.E., A.E.
Ray, Jagadis Chandra, B.C.E., A.E.
Rajak, Behari Lal, B.C.E., A.E.
Sen, Basaba Kumar, L.C.E., A.E.

1878.

Biswas, Preo Nath, L.C.E., A.E.
Chatterji, Bhutnath, L.C.E., A.E.
Chatterji, Upendra Nath, L.C.E., A.E.
Chatterji, Hari Das, L.C.E., A.E.
De, Nibaran Chandra, L.C.E., A.E.
Ganguli, Sures Chandra, B.C.E., A.E.

1879.

Chatterji, Upendra Nath, B.C.E.,
Chatterji, Bhut Nath, B.C.E.

1880.

Banerji, Upendra Nath, B.C.E,
(Pres. Engineering College).
Banerji, Atul Chandra, L.C.E.
(Pres. Engineering College).
Banerji, Nagendra Nath, L.C.E., A.E.
(Pres. Engineering College).
Bose, Surendra Nath, L.C.E., A.E.
(Govt. Engineering College).
Chatterji, Bhabadeb, L.C.E.,
(Govt. Engineering College).
Chatterji, Ashutosh, L.C.E.,
Presidency College).
Chatterji, Gopal Chandra, L.C.E.,
(Presidency College).
De, Jnanendra Nath, L.C.E., A.E.,
(Presidency College).
Dutt, Abhoya Charan, L.C.E., A.E.
(Presidency College).
Guha, Radha Raman, L.C.E., A.E.
(Presidency College).
Mukerji, Bama Charan, L.C.E.,
(Government Eng. College).
Roy, Abinas Chandra, L.C.E., A.E.,
(Presidency College).
Sen, Bama Charan, B.C.E.,
(Presidency College).

1881.

Banerji, Satya Charan, L.C.E.
Basak, Lalit Mohan, L.C.E., A.E.
Byers, Thompson Bernard, L.C.E., A.E.
Byers, Paul William, L.C.E., A.E.
Sen, Pran Krishna, L.C.E. (Raj Sahib).

1882

Banerji, Bhusan Chandra, L.C.E.
Roy, Sita Basanna, L.C.E., A.E.

1883

Ghosal, Hari Pada, L.C.E.
Martin, J. Arnold, L.C.E.
Mookherji, Rajendra Nath, B.C.E.
Sarkar, Annada Prosad, B.C.E.
Warde, Charles Parry, L.C.E.

1884.

Nil.

GOVERNMENT ENGINEERING COLLEGE, HOWRAH.

1885.

Hanby, W.A.E., L.E.
Marik, Akhil Chandra, L.C.E.
Mukerji, Banku Behari, L.C.E.

1886.

Hpo, Thina, L.E.
Sorabji, Shanaksha, B.E.

1887.

Mitra, Beni Madhab B.E.

1888.

Barat, Surendra Nath, L.E.
Mukherji, Nagendra Nath B.E.

Mukherji, Hari Charan, L.E.
Martindell, H.E.W., L.E.
Webber, V.B.. L.E.

Civil Engineering College, Sibpur.

1889.

Banerji, Krishna Dhon, L.E.
Bhattacharji, Kali Bar, L.E.
Bremner, W.S., L.E.
Chatterji, Satis Chandra, B.E.
Chakravarti, Naba Kumar, L.E.
Chandra, Adhar Lal, B.E.
Ganguli, Gyanendra Nath, L.E.
Mookerji, Rajendra Nath, L.E.
Sen, Sarat Chandra, L.E.

1890.

Bion, F.F., L.E.
Das, Jadu Nath, L.E.
Dutt, Mahendra Nath, L.E.
Godfrey, J.B., B.E.
Ganguli, Hari Das, B.E., A.E.
Ghose, Bankim Krishna, L.E., A.E.
Mitra, Nagendra Nath, L.E., A.E.
Mazumdar, Troylokya Nath, L.E.
Mukerji, Kshirod Chandra, B.E., A.E.
P.O., Thoung, B.E., A.E.

1891.

Dass, Giris Chandra, B.E., A.E.
Kastagir, Satya Ranjan, L.E., A.E.
Lahiri, Mohini Mohan, B.E., A.E.
Mukherji, Upendra Nath, L.E., A.E.
Sedgely, G.J. St. C., L.E., A.E.

1892.

Battacharji, Surendra Nath, B.E., A.E.
Bond, Cecil H., B,E., A.E.
Mitra, Saroda Charan, B.E., A.E.
Mukherji, Abindra Chandra, L.E., A.E.
Pal, Anango Mohan, L.E., A.E.
Sen Gupta, Madhu Sudhan, B.E., A.E.

1893.

Bhattacharji, Amulya Krishna, L.E., A.E.
Chatterji, Baidya Nath, L.E., A.E.
De, Syama Charan, B.E., A.E.
Pal, Saroda Sundar, B.E., A.E.
Sur, Sarat Chandra, L.E.

1894,

Chakravarty, Sris Chandra B.E.., A.E.
Chatterji, Pores Chandra, B.E., A.E.
De, Nilmoni, B.E., A.E.
Gupta, Pyari Charan, L.E., A.E.
Malik, Jotindra Nath, B.E., A.E.
Sen, Kali Narayan, B.E., A.E.

1895.

Bagchi, Jagat Bandhu, B.E., A.E.
Bose, Manmatha Kumar, L.E., A.E.
Das, Amar Nath, B.E. A.E.
Das, Romesh Chandra, L.E.
Dutt, Nogendra Nath, B.E., A.E.
Talapatra, Jadab Chandra, L.E., A.E.

1896.

Banerji, Bhola Nath, B.E., A.E.
De, Bejay Krishna, B.E., A.E.
De, Nanda Lal, B.E., A.E.
Dutt, Upendra Nath, B.E., A.E.
Lahiri, Sarba Ranjan, L.E., A.E.
Mukerji, Prithviraj, B.E., A.E.
Mukerji, Aghore Chandra, B.E., A.E.
Malik, Phani Lal, B.E., A.E.
Mazumdar, Kedar Nath, L.E., A.E.
Sanyal, Chitta Sukh, B.E., A.E.
Sarkar, Chuni Lal B.E., A.E.

1897.

Banerji, Gobinda Chandra, B.E., A.E.
Chakravarti, Purendra, B.E., A.E.
Chatterji, Hari Sadhan, B.E., A.E.
Guha, Ashutosh B.E., A.E.
Ghose, Kisori Mohan, B.E., A.E.
Saha, Jnanranjan, B.E., A.E.

1898.

Bose, Ashutosh, B.E., A.E.
Chatterji, Jnanendra Nath, B.E., A.E.
Das, Hari Das, B.E., A.E.
Sarkar, Surendra Nath, B.E., A.E.

1899.

Banerji, Jotindra Nath, B.E., A.E.
Biswas, Surendra Nath, B.E.
Chakravarti, Preo Nath, B.E., A.E.
Chatterji, Surja Kanta, B.E., A.E.
Das, Nagendra Nath, L.E., A.E.
Dutta Gupta, Karuna Kumar, M.A.,B.E.,AE.
Gaguli, Nibaran Chandra, B.E. A.E.
Ghosh, Kunji Bihari, B.E. A.E.
Mukerji, Haran Chandra, B.E.
Mukerji, Phanindra Nath, B.E. A.E.
Moitra, Surendra Lal, B.E. A.E.
Roy, Chandra Sekhor, B.E., A.E.
Roy Chaudhuri, Nirupam Chandra, L.E.A.E.
Rakhshit, Kashab Chandra, B.E.

1900.

Ahmed, Tafazzal, B.E., A.E.,
Chatterji, Sarat Chandra, B.E., A.E.
Chatterji, Suresh Chandra, B.E., A.E
Chakravarti, Mohini Mohan, B.E., A.E.
Das Gupta, Ashutosh, B.E.,A.E.
Desbrulais, E.E., B.E., A.E.
Mitra, Anukul Chandra, B.E., A.E.,
Modak, Benoy Krishna, B.A., B.E., A.E.
Srimani, Charu Chandra, B.E., A.E.

1901.

Bhattacharji, Janes Chandra, B.E., A.E.
Banerji, Chinta Haran, B.E., A.E.
Chakravarty, Manmatha Nath, B.E., A.E.
Chandra, Rajendra Nath, B.E., A.E.
Chatterji, Bilas Chandra, B.E., A.E.
Das, Bhuban Mohan, B.E., A.E.
Ghose, Sripati, B.E., A.E.
Remfry, Douglas H., B.E., A.E.
Sen, Joges Chandra, B.E., A.E.

1902

Chakravarti, Mohendra Nath, B.E., A.E.
Chatterji, Heramba Nath, B.E.,A.E.
Chatterji, Madhu Sudhan, B.E., A.E.
Chatterji, Nagendra Nath, B.E., A.E.
Chawdhuri, Jamini Nath, B.E., A.E.
Deb, Mohindra Nath, B.E., A.E.
Kar, Upendra Nath, B.E., A.E.
Nandi, Kali Chandra, B.E., A.E.
Sarma, Rohindra Nath, B.E., A.E,
Sinha, Mohendra Nath, B.E., A.E.
Sen, Satis Chandra, B.A., B.E.
Sen, Gupta, Jamini Kanto, B.E., A.E.
Stone, T.A.F., B.E., A.E.

1903.

Aziz, S.M.Abdul, B.E., A.E.
Banerji, Sailendra Nath, B.A. B.E., A.E.
Bhattacharji, Basanta Kumar, B.E., A.E.
Bhowani, Jatadhari, B.E., A.E.
Bhuyan, Arjun, B.E., A.E.
Bose, Noni Bhusan, B.A., B.E., A.E.
Bose, Probodh Chandra, B.E., A.E.
Ghosh, Ram Ranjan, B.A., B.E., A.E.
Hui, Rasick Lal, B.A., B.E., A.E.
Ray Chowdhuri, Somores, B.E., A.E.
Sen, Jotindra Nath, B.A., B.E., A.E.
Williamson, Neil A, B.E., A.E.

1904.

Banerji, Surendra Nath, B.A., B.E., A.E.
Chatterji, Keshab Chandra, B.A., B.E. A.E.
Haldar, Sris Chandra, B.E., A.E.
Mitra, Prokas Chandra, B.E.
Nandi, Achyuta Kumar, B.E., A.E.
Sen, Bhola Nath, B.E.
Vieyra, Herbert Clarence Stanley B.E., A.E.

1905.

Barat, Amrita Lal, B.E., A.E.
Bose, Baiju Lal, B.E., A.E.
Guha, Jogendra Kumar, B.E., A.E.
Karek, Ratnam, V. M.A., B.E., A.E.
Sarkar, Radha Ballav, M.A., B.E., A.E.
Sen, Kshirod Chandra, B.E., A.E.
Sen Gupta, Bimola Charan B.E., A.E.
Sen Gupta, Manmohan, B.E., A.E.
Starling, Reuben Lionel, B.E., A.E.

1906.

Banerji, Girindra Chandra, B.E., A.E.
Barboza, P.H., B.E.
Bhattacharji, Indu Sarkar, B.E., A.E.
Biswas, Nrilya Gopal, B.E., A.E.
Das, Probodh Chandra, B.E., A.E.
De, Raman Moni, B.E.
Dutt, Bhupendra Nath, B.E., A.E.
Dutt Gupta, Joges Chandra, B.E., A.E.
Ganguli, Man Mohan, B.E., A.E.
Ganguli, Sita Kanta, B.E., A.E.
Malefeki, Bernard, L.E.
Mukherji, Manmatha Nath, B.E,. A.E.
Ray, Saradendu, B.A., B.E., A.E.
Ray, Sure Nath, B.A,. B.E., A.E.

1907.

Bhattacharji, Purna Chandra, B.E., A.E.
Chatterji, Hira Lal, B.E., A.E.
Chatterji, Surendra Mohan, B.E., A.E.
Das Gupta, Jitendra Nath, B.A., B.E., A.E.
Dutt, Bhupendra Nath, B.E., A.E.
Ganguli, Bepin Behari, B.E., A.E.
Ghosh, Kshiti Nath, B.A., B.E., A.E.
Haldar, Benoy Ranjan, B.E., A.E.
Mukherji, Jitendra Nath, B.E.
Sen, Jagadis Chandra, B.E.
Sen Gupta, Lalit Chandra, B.E., A.E.

1908.

Banerji, Harendra Krishna, B.E. A.E.
Banerji. Joy Kali, B.E. A.E
Banerji, Prafulla Chandra, B.E., A.E.
Banerjee Bhupati, B.E., A.E.
Banerjee Nagendra, B.E., A.E.
Das, Kshirod Chandra, B.E., A.E.
Das, Surendra Nath, B.E., A.E.
De, Promotha Nath, B.E., A.E.
Mazumdar, Krishnendra Chandra, B.E., A.E.
Mukerji, Ansujit, B.E., A.E.
Ray, Sanat Kumar.
Saha, Ananga Mohan, B.E., A.E.
Sen, Panna Lal, B.E.
Sinha, Ramoni Mohan, B.E., A.E.

1909.

Bhattacharji, Sri Charan, B.E., A.E.
Bose, Adya Nath, B.E.
Bose, Birendra Nath, B.E., A.M.I.E.
Bose, Satis Chandra, B.E., A.E.
De, Hari Pada, B.E., A.E.
Lahiri, Jotish Chandra, B.E.

1910.

Bhattacharji, Birendra Nath, B.E., A.E.
Bose, Surendra Nath, B.E., A.E.
Chakravarti, Sasi Kanta, B.E., A.E.
De, Charu Chandra, B.E., A.E.
Das Gupta, Jitendra Kumar, B.E., A.E.
Dhar, Anukul Chandra, B.E., A.E.
Ghosh, Kiron Chandra, B.A., B.E., A.E.
Gui, Kalicharan, B.E., A.E.
King, Albert J., B.E., A.E.
Mitra, Amulya Charan, B.E., A.E.
Sarkar, Bhudeb Chandra, B.A., B.E., A.E.
Sen Gupta, Subodh Kumar, B.E., A.E.

1911.

Banerji, Promotha Nath, B.E.
Basak, Abinas Chandra, B.E., A.E.
Bose, Noni Gopal, B.E. A.E.
Chakravarti, Sarat Chandra, B.E., A.E.
Chowdhuri, Surendra Mohan, B.E., A.E.
Laha, Lalit Krishna, B.E., A.E.
Mazumdar, Bhabendra Nath, B.E., A.E.
Mitra, Profulla Krishna, B.E., A.E.
Mitra, Sris Chandra, B.E., A.E.
Mukherji, Jadu Gopal, B.E., A.E.
Roy, Probhat Chandra, B.E., A.E.
Set, Aswini Kumar, B.E., A.E.
Sen Gupta, Jatindra Nath, B.E., A.E.

1912.

Banerji, Bhawani Sankar, B.E., A.E.
Banerji, Mohan Gopal, B.E., A.E.
Bhattacharji, Bijendra Gopal, B.E., A.E.
Biswas, Prasanna Kumar, B.E., A.E.
Chatterjee, Khettra Das, B.E., A.E
Chowdhuri, Anath Nath, B.E., A.E.
Das, Aswini Kumar, B.E., A.E.
Das, Bhubananda, B.E.
Das, Krishna Chandra, B.E., A.E.
Lahiri, Santosh Chandra, B.Sc., B.E.
Mazumdar, Nalini Bhusan, B.E., A.E.
Mazumdar, Surendra Nath, B.E.
Mukherjee, Kshirod Mohan, B.E., A.E.
Sarkar, Jagadis Chandra, B.E.
Sen Gupta, Prosad Das, B.Sc., B.E., A.E.
Sen Gupta, Debendra Nath, B.E., A.E.

1913.

Abdul, Gaffar, B.E., A.E.
Banerji, Anadi Nath, B.E., C.E.
Bhattacharji, Doyananda, B.E., C.E.
De, Patit Paban, B.E., C.E.
Guhathakurta, Jogesh Chandra, B.E., C.E.
Mitra, Satya Bhusan, B.E., C.E.
Roy, Kumud Bhusan, B.E., C.E.
Roy, Surendra Narayan, B.E., C.E.
Roy, Surendra Nath, B.E., C.E.
Sen, Amal Chandra, B.E., C.E.

1914.

Banerji, Amulya Ratan, B.E., C.E.
Chatterji, Sures Chandra, B.E., C.E.
Chowdhuri, Narayan Das, B.E., C.E.
Das, Birendra Nath, B.E., C.E.
Dhar, Benode Behari, B.E., C.E.
Gupta, Gostha Behari, B.E., C.E.
Hor, Rebati Mohan, B.E., C.E.
Joardar, Harendra Nath, B.E., C.E.
Sarkar, Gopi Ballav, B.E., C.E.
Sarkar, Jay Kumar, B.E., C.E.

1915.

Banerji, Ajendra Kissore, B.E., C.E.
Basu, Anukul Chandra, B.E., C.E.
Baruya, Hari Prosad, B.E., C.E.
Bhattacharji, Santosh, B.E.
Chatterjee, Comol Nath, B.E.
Chatterji, Debendra Nath, B.E., C.E.
Chatterji, Uma Kanta, B.E.
Das, Bijoy Kumar, B.E., C.E.
Das, Pulin Behari, B.E., C.E.
Dutta, Ananta Kumar, B.E., C.E.
Dutta, Satya Charan, B.E., C.E.
Dutta, Susil Kumar, B.E., C.E.
Dawn, Akshoy Kumar, B.E., C.E.
De, Upendra Narayan, B.E., C.E.
Ganguli, Profulla Chandra, B.E., C.E.
Mukerji, Kali Brahma, B.E., C.E.
Mukerji, Satis Chandra, B.E., C.E.
Pramanik, Atulya Kumar, B.E., C.E.
Roy, Subodh Krishna, B.E., C.E.
Saha, Mohitosh, B.E., C.E.
Saha, Motilal, B.E., C.E.
Sarkar, Phanindra Nath, B.E.

1916.

Bhattacharji, Mahendra Kumar,
Bhattacharji, Probodh Chandra,
Banerji, Dines Chandra,
Barboza, P.S.,
Chatterji, Indu Bhusan,
Sarkar, Gopendra Krishna, B.E.

1917.

Bhattacharji, Surava Kanta, B.E.
Basu, Promotha Kumar, B.E.
Das, Joges Chandra, B.E.
De, Bota Krishna, B.E.
De, Charu Chandra, B.E.
Ganguli, Hari Sadhan, B.E.
Ghosh, Bhusan Chandra, B.E.
Har, Satis Chandra, B.E.
Mahanti, Ban Behari, B.E.
Mitra, Jnanendra Kumar, B.E.
Mukerji, Bhupendra Nath, B.E.
Roy, Golak Prosad, B.E.
Roy Chowdhuri, Subodh Kumar, B.E.
Samanta, Tara Sankar, B.E.

1918.

Banerji, Mahendra Narayan, B. Sc., B.E.
Basu, Krishna Mohan, B.E.
Chowdhuri, Narendra Nath, B.Sc., B.E.
Das Gupta, Jitendra Nath, B.Sc., B.E.
Dhar, Hemendra Nath, B.E.
Dutta, Tarapada, B.E.
Dutta, Radha Raman, B.E.
Firmic, O. William Patrick, B.Sc., B.E.
Guha, Surendra Kumar, B.Sc., B.E.
Muhammad Sadique, B.Sc., B.E.
Pal, Satis Chandra, B.Sc., B.E.
Sinha, Radha Raman, B.E.
Sinha Roy, Binay Kumar, B.Sc., B.E.

1919.

Bhar, Rajendra Nath, B.E.
Banerji, Kshirod Chandra, B.E.
Banerji, Anadi Nath, B.E.
Basu, Rama Bhusan, B.E.
Chatterji, Amalesh Chandra, B.E.
Das, Kumudbandhab, B.E.
De, Jiben Krishna, B.Sc., B.E.
Nandi, Narayandas, B.E.
Ray, Sailendra Narayan, B.E.

1920.

Bhattacharji, Binod Behari, B.E.
Bagchi, Charu Chandra, B.E.
Basu, Benoy Krishna, B.E.
Basu, Himansu Ranjan, B.E.
Bhanja, Jitendra Nath, B.E.
Biswas, Pratibha Bhusan, B.E.
Chakravarti, Akhil Chandra, B.E.
Dutta, Debendra Nath, B.E.
Dam, Sarat Chandra, B.E.
Das, Ram Narayan, B.E.
Das Gupta, Jitendra Nath, B.E.
Ghosh, Santi Kumar, B.E.
Mukherji, Subodh Kumar, B.E.
Mukherji, Upendralal, B.E.
Mitra, Thacogopal, B.E.
Nag, Surendra Kumar, B.Sc., B.E.
Sarbadhikari, Dhirendra Nath, B.E.
Sthanpati, Ashutosh, B.E.

1921.

Banerji, Sanat Kumar, B.E.
Basu, Harendra Lal, B.E.
Basu, Dhirendra Kumar, B.E.
Basu, Keshab Chandra, B.E.
Basu, Satish Chandra, B.E.
Biswas, Sarat Chandra, B.E.
Chatterji, Kalipada, B.E.
Chatterji, Ramnath, B.E.
Choudhuri, Haran Chandra, B.Sc., B.E.
Das, Narendra Nath, B.E.
Ganguli, Dwijendra Nath, B.E.
Ganesh, Narayan Singha Verma B.Sc., B.E.
Ghosh, Haridas. B.E.
Gupta, Rebati Mohan, B.E.
Gupta, Kanchanendu, B.Sc., B.E.
Huq, S.M.Basiral, B.Sc., B.E.
Roy, Himajaranjan, B.E.
Roy, Ramesh Chandra, B.E.
Set, Baishnabdas, B.E.

BENGAL ENGINEERING COLLEGE

1922.

Agrawal, Lakshan Swarup, B.E.
Bandopadhya, Arun Kumar, B.E.
Basu, Akshoy Kumar, B.E.
Basu, Ramendra Krishna, B.E.
Bahh, T, B.E.
Chakravarti, Praphulla Chandra, B.E.
Chattapadhya, Jamini Prokash, B.E.
Dutta, Gunanath, B.E.
Ghosh, Pulin Behari, B.E.
Ghosh, Subodh Chandra, B.E.
Joseph, James. T., B.E.
Mallick, Dhirendra Nath, B.E.
Mitra, Tinkari, B.E.
Ray, Anil Krishna, B.E.
Ray, Kalidas, B.Sc., B.E.
Sarkar, Bhupendra Nath, B.E.

1923.

Anusuzzaman, B.E.
Bandopadhyay, Tarini Kanta, B.E.
Basu, Khagendra Nath, B.E.
Chakravarti, Abinash Chandra, B.E.
Das, Sarbeswar, B.E.
Dutta, Dhirendra Chandra, B.E.
Ganguli, Jagannath, B.E.
Mukhopadhya, Amal Charan, B.E.
Marik, Tarapada, B.E.
Niyogi, Prabhat Chandra, B.E.
Sen, Shamapada, B.E.
Sen Gupta, Bijoy Kumar, B.E.

B. E. EXAMINATION.

1924.

Bandopadhyay, Krishna Kumar.
Banerjee, Taraprosanna.
Basu, Bijoy Kumar.
Basu, Jitendra Narayan.
Basu, Paritosh.
Bhaduri, Banabehari.
Chakrabarti, Bibhuti Bhusan.
Chakrabarti, Harakumar.
Das, Arabinda Mohan.
Dhar, Ashutosh.
Dutta, Priya Ranjan.
Ghosh, Sripada.
Ghosh, Kumud Ranjan.
Pal, Subodh Krishna.
Pujari, Achyutananda.
Ray, Jnananandra.
Samanta, Gourhari.
Sen, Anil Kumar.

1925.

Alizaki
Bandopadhya, Haricharan.
Chowdhuri, Jitendra Lal.
Dhar, Jagat Durlabh.
Deb, Indu Bhusan.
Deb, Maullik Sudhir Chandra.
Dutta, Bibhuti Nath.
Dutta, Digindra Nath.
Ghosh, Hirendra Nath.
Mazumdar, Sachindra Kumar.
Majumdar, Sailendra Nath.
Marby, Basit H.
Mitra, Ganendra Nath.
Muhammad, Nafa.
Nath, Rajmohan.
Roy, Tarini Kumar.
Sinha, Ajit Kumar.
Sinha, Nalin Kumar.

1926.

Aich, Sachindra Chandra.
Banerji, Gorachand.
Basu, Ramanath.
Bhattacharji, Nanda Lal.
Bhattacharyya, Saroj Kumar.
Biswas, Sisir Chandra.
Chakrabarti, Dhirendra Nath.
Chowdhuri, Bidhubhusan.
Das, Bepin Chandra.
Das Gupta, Sudhir Chandra.
Dhar, Dhirendra Nath.
Dias, Arthur Josep.
Dutt, Krishnadas.
Ghosh, Sudhansu Mohan.
Gui, Taracharan.
Mitra, Narayan Chandra.
Moitra, Baikuntha Nath.
Mukherji, Suresh Chandra.
Roy, Nirmal Kumar.
Roy, Pulin Krishna.
Sen Gupta, Nanigopal.

1927.

Bhattacharji, Haridhan.
Banerjee, Lalit Kumar.
Basu, Amiyanath.
Basu, Kiron Chandra.
Bhor, Hari Mohan.
Chakrabarti, Girendra Kison.
Chakrabarti, Kshitish Chandra.
Chatterjee, Kshetrapada.
Datta, Hemanta Kumar.
Das Gupta, Sudhir Kumar.
De, Anil Chandra.
Ghosh, Santosh Kumar.
Ghosh, Saroj Kumar.
Gupta, Dhirendra Nath.
Islam, Tiaul. W.
Khondkar, Ahmed Hossain.
Laskar, Rammohan.
Majumdar, Ajit Chandra.
Malik, Abdul Bary.
Sen Gupta, Ajit Kumar.
Sen Gupta, Amiya Nath.
Sil Harendra Nath.

1928.

Banerji, Bhupendra Nath.
Banerji, Rabindra Nath.
Bhattacharji, Kali Prosad.
Choudhuri, Bhupati Nath.
Dutta, Birendra Kanta.
Fazlul Karim A.F.M.
Ghosh, Bejali Bhusan.
Guha, Niranjan.
Hazra, Swadesh Kumar.
Huque, Md. Fazzlul
Majumdar, Santosh Kumar.
Mukherji, Prafulla Ratan.
Mukherji, Puranjan.
Nandi, Provat Kumar.
Neogy, Jnanendra Nath.
Neogy, Pravat Chandra.
Roy, Ramendra Chandra.
Rudra, Jatindra Nath.
Saha, Dwijendra Nath.
Sarkar, Hiren Kumar.
Sen, Phani Bhusan.
Sen Gupta, Sudhir Ranjan.
Sil, Samaresh.

1929.

Ahmed, Anisuzzaman.
Banerji, Bholanath.
Banerji, Kalachand.
Banerji, Ramdas.
Basak, Samarendra Nath.
Bhattacharji, Krishna Chandra.
Basu, Chittaranjan.
Basu, Naresh Chandra.
Basu Mullick, Uditendu Prokas.
Chakravarti, Nani Bhusan.
Chakravarti, Phani Bhusan.
Chatterji, Probodh Chandra.
Das, Sisir Kumar.
Das, Tejendra Nath.
Das, Sudhindra Kumar.
Das Gupta, Bimal Chandra.
De, Anil Chandra.
Ganguli, Bholanath.
Ghosh, Anil Kumar.
Maitra, Sarat Chandra.
Majumdar, Nalini Kumar.
Mukherjee, Dakshinaranjan.
Mukherjee, Nilratan.
Mukherjee, Sasanka Sekhar.
Pal, Girija Prosanna.
Ray, Asoke.
Ray, Kshitish Chandra.
Ray, Nagendra Kumar.
Sarkar, Phani Bhusan.
Sen Gupta, Girija Prosanna.

1930.

Abid Reza Choudhuri.
Acharya, B. K.
Aich, Ramesh Chandra.
Banerjee, Manindra Mohan.
Basu, Pradyot Kumar.
Basu, Kamal Krishna.
Bose, Benoy Bhusan.
Bose, Krishna Kamal.
Bhattacharji, Basudeb.
Chatterjee, Abani Mohan.
Chatterji, Manatosh Kumar.
Chakravarti, Sachindra Nath.
Chakravarti, Sudhir Chandra.
Das, Himansu Sekhar.
Das, Satyendra Prosanna.
Das De, Mahima Ranjan.
Das Gupta Niradananda.
Dutta, Sudhir Kumar.
Ghosh, Susil Kumar.
Ghosh, Bilash Kumar.
Guha, Bhabatosh.
Gupta, Sachindra Nath.
Mitra, Mrigendra Nath.
Mukherjee, Bimala Charan.
Mukherjee, Kamal Krishen.
Mukherjee, Ramkrishna.

Mukherjee, Subodh Chandra.
Roy, Thakur Das.

1931.

Basu, Bibhutibhushan.
Basu, Kamakshyanath.
Barat, Satyendra Kumar.
Bandopadhyay, Jamini Kumar.
Bandopadhyay, Sailendra Nath.
Bandopadhyay, Santi Saran.
Chattapadhyay, Pares Nath.
Chakrabarti, Kamalaksha.
Das, Nirmal Kumar.
Eadon, Clarence Patrick.
Jabbar, Md. Abdul.
Ghosh, Anil Behari.
Ghosh, Probodh Chandra.
Kanjilal, Saroj Kumar.
Mitra, Susil Chandra.
Mitra, Ajit.
Mukhopadhyay, Sachindra Nath.
Ray Choudhuri, Sisir Kumar.
Sarkar, Ashutosh.
Pal, Prophulla Kumar.

1932.

Bhattacharji, Jyotiriswar.
Biswas, Sarat Chandra.
Chanda, Ranjit Prosad.
Chattopadhyay, Ranendra Kumar.
Dutta, Sudhamay.
Dutta, Surendra.
Dutta, Niharbindu.
Ghosh, Birendra Chandra.
Ghosh, Salil Chandra.
Ghosh, Srimanta Kumar.
Ghosh, Sudhindra Nath.
Kanjilal, Sudhir Kumar.
Lahiri, Sunil Chandra.
Mukhopadhyay, Ranendra Kumar.
Mukhopadhyay, Satyapada.
Osborne, Denzil.
Sen, Dhirendra Mohan.
Sen Gupta, Kartik Chandra.
Sur, Lokendra Nath.

1933.

B. E. (Civil)

Basu, Prantosh Kumar.
Basu, Karunaprasad.
Bandopadhyay, Binoy Krishna.
Bandyopadhyay, Sudhansu Sekhar.
Bandyopadhyay, Kalidas.
Bandyopadhyay, Sushil Kumar.
Bandyopadhyay, Kumud Ranjan.
Chakrabarti, Basanta, Kumar.
Chakrabarti, Ram Ballav.
Chakrabarti, Sudhansu Kumar.
Chattopadhyay, Pratul Chandra.
D'Razario, Ralph.
Das Gupta, Medini Mohan.
Dutta, Birendra Narayan.
Dhara, Bibhuti Bhusan.
Gangopadhyay, Sudhensu Prakas.
Ghosh, Sailesranjan.
Ghosh, Suchit Kumar.
Gupta, Mihir Kumar.
Khasnabis, Dhirendra Kumar.
Kundu, Satyendra Nath.
Majumdar, Jyotiprasad.
Mazumdar, Benoy Kumar.
Mitra, Amal Prakas.
Mitra, Nalin Behari.
Pal, Sudhamay.
Ray, Gunasindhu.
Sen, Gupta Anil Kumar.
Sinha, Kalikanandan.

B. E. (Mechanical)

Bagchi, Brojendra Chandra.
Bhattacharyya, Satipati.
Chaudhuri, Kumudranjan.
Dutt, Bijoygopal.
Kaliruddin Ahmed, A.N.
Mukhopadhyay, Ambikacharan.

1934.

B. E. (Civil)

Abbas, B.M. A.T.
Basu, Panjak Kumar.
Basu, Khagendra Nath.
Basu Chaudhuri, Ram Prosad.
Bhattacharjya, Bhabadeb.
Chakrabarti, Bishnupran.
Chakrabarti, Kalipada.
Chakrabarti, Nirupam Chandra.
Chattopadhyay, Sudhir Kumar.
Chattopadhyay, Bhupendra Nath.
Chattopadhyay, Sibapada.
Chattopadhyay, Nirmales Chandra.
Chaudhuri, Prakritiranjan.
Chaudhuri, Syamapada.
Dutta, Syama Sundar.
Dutta, Surj Kumar.
Das, Manindra Nath.
Dastidar, Amulya Krishna.
Das Gupta, Bibhuti Bhusan.
Ghosh, Binay Kumar.
Ghosh, Deb Kumar.
Ghosh, Gaur Chandra.
Ghosh, Kanilal.
Ghosh, Kalipada.
Ghosh, Siteschandra.
Guha Priyabhushan.
Hassib, A.M.M.A.
Md. Kabiruddin Mandal,
Majumdar, Narendra Nath.
Neyogi, Sudhir Chandra.
Niyogi, Amiya Kumar.
Purkait, Brajendra Bhushan.
Ray, Jitendra Kumar.
Ray, Batuk Chandra.
Ray, Bhupendra Nath.
Ray, Nisith Kumar.
Ray, Santiram.
Ray, Choudhuri, Hemendra Chandra.
Saha, Ranendra Kumar.
Samaddar, Sudhir Ranjan.

B. E. (Mechanical)

Bhattacharyya, Nalini Mohan.
Biswas, Sudhindu Narayan.
Chattopadhyay, Smarajit.
Chattopadhyay, Praphulla Kumar.
Datt Roy, Matilal.
Sarkar, Mati Lal.

1935.

B. E. (Civil)

Ali Md. Insaf.
Bandyopadhyay, Chandra Sekhar.
Bhattacharyya, Bhabatosh.
Bhattacharyya, Bishnupada.
Chakrabarti, Birajmohan.
Chakrabarti, Sailendra Chandra.
Chakrabarti, Subodh Chandra.
Das, Pramatha lal.
De, Tarakranjan.
De, Santosh Kumar.
Dutta, Ranjit Kumar.
Dutta Chaudhuri, Sukharanjan.
Gangopadhyaya, Chandra Sekhar.
Gangopadhyaya, Bankim Chandra.
Ghosh, Pramatha lal.
Majumdar, Himansu.
Majumdar, Nrisinha.
Majumdar, Sanat Kumar.
Majumdar, Subhransu Sekhar.
Mukhopadhyaya, Prabhas Kumar.
Mukhopadhyaya, Haris Chandra.
Mukhopadhyaya, Sankariprasanna.
Pal Ray, Kshanis Chandra.
Saha, Gopendra Krishna.
Sen Gupta, Kalyan Kumar.
Siddhanta, Natabar.

B. E. (Mechanical).

Bhattacharyya, Kshitish Chandra.
Datta ray, Anilkanta.
Das Gupta, Benay Bhusan.
Ghosh, Sachindra Nath.
Majumdar, Kunjalal.
Mitra, Sukumar.
Mukhopadhyay, Rabindra Nath
Pal, Sailendra Nath.
Raj, James Iran.
Ray, Nirmal Kumar.
Saha, Sures Chandra.
Sen, Birendra Kumar.

1936.

B. E. (Civil)

Ahmed, Mosharraffuddin.
Basu, Rabindra Nath.
Bandyopadhyaya, Indu Sekhar.
Chattopadhyaya, Sudhananda.
Chaudhuri, Syamakanta.
Dutta, Durga.
Dutta, Sarat Chandra.
Das Gupta, Sukumar.
De, Jagadis Chandra.
Furtado, Leonard.
Ghosh, Bindu Bhusan.
Ghosh, Biswanath.
Latif, Abdul.
Majumdar, Indubhushan.
Martin, Abdul.
Munshi, Sharlafat Hossain.
Mirza, Faiz Ahmed.
Mukhopadhyaya, Indu Sekhar.
Ray, Kamalprasanna.
Ray, Haripada.
Sanyal, Praphulla Kumar.
Senkabiraj, Hrishikes.
Sinha, Ajit Kumar.

Sinha, Ajit Mohan.
Sur, Sanat Kumar.

B. E. (Mechanical)

Ghosh, Satya Sadhan.
Ghosh, Sisir Kumar.
Gupta Brajendra Nath.
Md. Hossain, Aziz Ahmed.
Roy, Sarojaranjan.
Sanyal, Asoke Kumar.

B. E. (Electrical)

Bandyopadhyaya, Ramendra Nath.
Chattopadhyaya, Sibapada.
Majid, Md. Mahibul.

1937.

B. E. (Civil)

Ahmed, Halibuddin.
Ahmed, Kafiluddin.
Banerjee, Ranjit Kumar.
Banerjee, Sudhansu Kumar.
Basu, Rabindra Nath.
Basu, Kalidas.
Basu, Amitabha.
Chatterjee, Dhruba Jyoti.
Chattopadhyaya, Pranab Kumar.
Datta, Sudhansu Bhusan.
Gangopadhyaya, Kalidayal.
Ghosh, Chittapriya.
Ghose, Saroj Kumar.
Ghosh hazra, Biswanath.
Ghosh Roy Chowdhury, Promod Kumar.
Gupta, Ajoy Kumar.
Guha, Mani Kanta.
Guha Majumdar, Dhirendra Nath.
Kar, Kanai Chandra.
Lahiri, Sanat Kumar.
Majumdar, Kunjalal.
Maiti, Gajendranath.
Md. Hatim Ali.Khan
Mitra, Jatindra Nath.
Misra, Aswini Kumar.
Rakshit, Rammohan.
Roy, Bhabatosh.
Roy, Jyotsna Mohan.
Salaluddin, Md.
Shaikh, Manuriddin Ahmed.
Shamsuddin, Md. Ahmed.
Khondkar, A.M. Md. Fakhrul Islam.
Mathur, Jagadandu Lall.
Mahammad Abul. Quasem
Rahaman, Md. Habibur.

B. E. (Mechnical)

Ahmed, Syed Kazer.
Banerjee, Probhat Kumar.
Basu, Binayendra Mohan.
Bysack, Bireswar.
Ghosh, Tinkari.
Roy, Sailendra Prasad.
Sengupta, Bimal Kumar.
Syed Kazer Ah.

B. E. (Electrical)

Basu, Indubhusan.
Banerjee, Pankaj Kumar.
Duckworth, Horace Edward.
Ganguly, Prafulla Chandra.
Pal, Haribal.
Sen, Khagendra Nath.

1938.

B. E. (Civil)

Banerjee, Sailendra Mohan.
Banerjee, Sailendra Nath.
Brahma, Hitendra Mohan.
Chakravarti, Bipranath.
Chakravarti, Prabhat Chandra.
Chatterjee, Debo Prosad.
Chatterjee, Suresh Chandra.
Chowdhury, Md. Manuiriddin.
Das, Arun Chandra.
Das Gupta, Ranjit Kumar.
Ghosh, Nirendra Kishore.
Ghosh, Prabhat Kumar.
Ghosh, Prafulla Kumar.
Ghosh, Pulin Behari.
Ghosh, Raj Kumar.
Guha, Manindranath.
Gupta, Kanai Lal.
Hossain, Md. Aolad.
Kumar, Baroda Kanta.
Mitra, Krishnalal.
Mitra Sudhansu.
Mukherjee Shamapada.
Pal, Sarada Charan.
Samanta, Nirod Baran.
Sen, Saral Kumar.
Sen Gupta, Satchidananda.

B. E. (Mechniancal)

Berry, Panna Lal.
Bhattacharyya, Sanat Kumar.
Dutta, Nirmal Chandra.
Khosla, Ram Amalok.

B. E. (Electrical)

Banerjee, Suresh Chandra.
Banerjee, Rabindra Nath.
Kanjilal, Amal Kumar.

1939.

B. E. (Civil)

Anwarnzzaman, Md.
Chowdhury, Sabir Ahmed.
Fosberry, Ceril Vincent.
Ganguli, Asoke Kumar.
Ganguli, Prosanto Kumar.
Gupta, Sudhirendra Nath.
Guha Thakurta, Ajit Kumar.
Ghosh, Dhirendra Nath.
Mallick, Radha Kanta.
Mallick, Satyendranath.
Mitra, Suprobhat Chandra.
Momin, Godwin C.
Miah, Salamat Ullah.
Mukherjee, Lalit Kumar.
Mukherjee, Chandra Sekhar.
Nandi, Sukumar.
Rashid, Syed Aledur.
Roy, Jitendranath.
Roy, Himansu.
Roy, Santosh Kumar.
Roy, Sukhada Kanta.
Sarkar, Ramprasad.
Sen, Renu Bhusan.
Sen, Buddhadeb.
SenGupta Bishnupada.

B.E. (MECHANICAL).

Batra, Jagannath.
Mukerjee, Debi Prosad.
Pal, Brahma Charan.
Rahman, Habibur.
Roy Chowdhuri, Nepal Chandra.
Sen, Dhrubatosh.

B.E. (ELECTRICAL).

Arratoon, V. G.
Bose, Haridas.
Dakshi, Samarendra Nath.
Das, Rabindra Nath.
Mondal, Jamini Kanta.
Pramanik, Probhat Chandra.

1940

B.E. (CIVIL).

Addya, Baman Das.
Ahmed, Abdul Moquith.
Abdul Latif.
Abdur Rashid.
A. F. M. Miria Shamsul Huda.
Banerjee, Harisadhan.
Banerjee, Himansu Kumar.
Banerjee, Haresh Chandra.
Basu, Ashim Kumar.
Bhattacharyya, Madan Mohan.
Chakravarti Dev Kumar.
Chatterjee, Anil Chandra.
Chatterjee, Deba Prosad.
Das Bhowmick, Haripada.
Datta, Achyutananda.
Dutta, Ramani Ranjan.
Dey, Krishnodhan.
Fosberry, J. Irvine.
Ghosh, Nerod Kumar.
Ghosh, Sudhansu Kumar.
Ghosh, Asit Ranjan.
Gupta, Satya Kar.
Kabasi, Sunil Kumar.
Mitra, Ajit Kumar.
Mukherjee, Debabrata.
Mukherjee, Promode.
Mukherjee, Sukumar.
Pramanick, Kamalakanta.
Roy, Amarendra Nath.
Roy, Kamalendu.
Samanta, Nanda Kishore.
Sen, Amiya Kumar.
Sen Gupta, Sudhansu.

B.E. (MECHANICAL).

Mukherjee, Kalisankar.
Pal, Syamalendu.
Roy, Labanya Mohan.
Sanyal, Promode Kumar.
Singh, Rajendra.

B.E. (ELECTRICAL).

Basu, Pramatha Nath.
Biswas, Nirmal Kumar.
Dutta, Biswanath.
Ghosh, Sukomal.
Pal, Sushil Chandra.
Roy, Priya Jiban.
Roy, Amulya Charan.

1941.

B.E. (CIVIL)

Ahmed, Azimuddin
Ali, Md. Mosharuf.
Biswas, Benoy Bhusan.
Chatterjee, Paresh Nath.
Chatterjee, Pannalal.
Das, Pranab Kumar.
Das, Sunil Kumar.
Datta, Sudhamay.
De, Prabhat Kumar.
Dutta, Barendranath.
Dutta, Dhirendra Nath.
F. E. Moses.
Ghosh, Govinda Gopal.
Guha Majumdar, Amalendra Nath.
Islam, Mainul.
Haque, Rafiqul.
Haque, Safigul.
Mazumdar, Nityananda.
Mindal, Probhat Kumar.
Mitra, Bijan Kumar.
Mitra, Sailendra Kumar.
Mukherjee, Bankim Behari.
Nandi, Nirmal Kumar.
Noman, M.
Pal, Kanak Kumar.
Rahman, Golam.
Roy, Ajit Kumar.
Roy, Kumud Krishna.
Roy, Priyadarshan.
Roy, Satish Chandra.
Sarkar Asim Kumar.
Samanta, Ajit Kumar.
Samanta, Brindaban.
Singh, Uddam.
Sinha, Ajit Chandra.

B.E. (MECHANICAL).

Bhattacharyya, Gopinath.
Dutta, Rebati Mohan.
Hore, Sibapada.

B.E. (ELECTRICAL).

Chowdhury, Bhutnath.
Das, Subodh Chandra.
Gupta, Ajit Kumar.
Gupta, Dilip Kumar.
Pal, Tarapada.
Roy, Ananda Mohan.
Sen, Sibendra Nath.
Sen Gupta, Ajit Kumar.
Sikdar, Hirendra.

B.E. (METALLURGICAL).

Chatterjee, Anil Bhusan.
Das Gupta, Prafulla Kumar.
Mitra, Madhu Sudhan.
Roy, Sudhangsu.

1942

B.E. (CIVIL).

Ali, Syed Abdul.
Abu Fayz Md. Shamsul Islam.
Basu, Sisir Kumar.
Barman, Maheswar Prasad.
Banerjee, Samarendra Nath.
Banerjee, Sudha Ranjan.
Bhattacharjee, Santosh Kumar.
Bhattacharyya, Jadav Chandra.
Biswas, Sisir Kumar.
Chakravarti Sudhansu Kumar.
Chatterjee, Rabindra Kumar.
Chowdhury, Kanupriya.
Das Gupta, Ajit Kumar.
Dhar, Ambunidhi.
Goswami, Sunil Kumar.
Ghosh, Birendra Nath.
Ghosh, Ujal Chandra.
Gupta, Bimalendu.
Hussain, Md. Fazlul.
Hussain, Md. Makbul.
Kanjilal, Santosh Kumar.
Lahiri, Jyoti Prasad.
Latif, Md. Abdul.
Mukherjee Sailendra Nath.
Mukherjee, Ashitendu.
Mukherjee, Durga Mohan.
Mukherjee, Narayan Chandra.
Mukherjee, Sushil Kumar.
Neogi, Amiya Kumar.
Nissar, Dressel Edsel.
Prins, T. H. E.
Rashid, Md. Abdur.
Roy, Sitansu Kumar.
Saha, Netai Pada.
Sarkar, Ajoy Kumar.
Samaddar, Sushil Kumar.
Sanyal, Sashi Sekhar.
Sen Gupta, Bimalendu.
Sen, Debaprasad.
Sen, Niranjan.

B.E. (MECHANICAL).

Ahmed, Raisuddin.
Banerjee, N.
Bhattacharyya, Amiya Bhusan.
Bhattacharyya, Syamsundar.
Chatterjee, Sachindra Nath.
Cohen, Murise.
Datta, Sachindra Nath.
Ghosal, Harendra Nath.
Mukherjee, Subrata.
Roy Chowdhury, Benoy Ranjan.
Saha, Dharamdas.
Quamruddin Ahmed.

B.E. (ELECTRICAL).

Ahmed Nur Mohammed.
Aaron Arry Mingail.
Banerjee, Dines Chandra.
Basu, Sudhamoy.
Bhar, Kasi Nath.
Biswas, Nikhil Bhusan.
Chatterjee, Bireswar.
Chakraborty, Nares Kumar.
Chakraborty, Nirendra Nath.
Das, Swarnendu Kumar.
Das Gupta, Makhan Lal.
Datta Majumdar, Saradindu.
Ganguly, Ram Kishore.
Majumdar, Nripendra Mohan.
Mohammed, Ahmed Noor.
Sen, Sanat Kumar.
Sen, Chandra Sekhar.

B.E. (METALLURGICAL).

Banerjee, Prodyot.
Guha, Ajit Kumar.
Ghosh, Suhash Chandra.
Lahiri, Satyes Chandra.
Langner, Allan John.
Mitra, Prabhas Chandra.
Mukherjee, Dilip Kumar.
Pal, Prasanta Kumar.
Roy, Arun Kumar.
Sarkar, Sujay.
Sen Gupta, Kshirod Kumar.

1943

B.E. (CIVIL)

Aich, Bholanath.
Banerjee, Sailaj Kumar.
Basu, Soroj Kumar.
Basu Roy, Narendra Prosad.
Bhattacharyya, Sailendra Kumar.
Chakravarty, Monoranjan.
Chowdhury, Anwar Hossain.
Datta Chowdhury, Amarendra Nath.
Deb Chowdhury, Bidhu Bhusan.
De, Abani Kumar.
Dhar, Bijoy Kumar.
Fosberry, John W.
Ghosh, Ramesh Chandra.
Ghosal, Profulla Kumar.
Ghosal, Alok Behari.
Guha, Subodh Kanta.
Hore, Akshay Kumar.
Hossain, Amir.
Hossain, M. Md. Asraf.
Mukherjee, Anadi Nath.
Mukherjee, Bimalendu.
Nathaniel Abraham.
Rahaman, Masihur.
Rashid, Abdur.
Roy, Santosh Kumar.
Roy, Bhabani Prosad.
Saha, Monoranjan.
Salem, Abul.

B.E. (MECHANICAL).

Dutta, Bhupal Krishna.
Ghosh, Ajit Kumar.
Mukherjee, Mohit Kumar.
Niyogi, Birendra Nath.
Roy, Debaprosad.
Saha, Ranjit Kumar.

B.E. (ELECTRICAL).

Bhowmick, Manindra Chandra.
Chakraborty, Rabindra Nath.
Datta, Paresh Chandra.
Deb, Hari Prosad.
Hossain, Jaidin.
Mitra, Anil Kumar.
Roy, Sudhendu Nath.
Sinha, Prasanta Kumar.

B.E. (METALLURGICAL).

Chatterjee, Durgapada.
Chatterjee, Guru Prosad.
Chowdhury, Abu Md. Salehuddin.
Chowdhury, Dwijes Charan.
Das Gupta, Anil Kumar.
De, Niladri Sekhar.
Mohammed, Ibrahim.
Mukherjee, Debi Prosad.
Rakshit, Subodh Ranjan.

1944

B.E. (CIVIL).

Banerjee, Binoy Kumar.
Basu, Dilip Kumar.
Basnett, Dhananjoy.
Baul, Raghudas.
Biswas, Kanai.
Biswas, Saroj Ranjan.
Bhattacharyya, Sunil Kumar.
Bhattaraj, Medini Nath.
Chatterjee, Amarendra Lal.
Chatterjee, Karunadas.
Chatterjee, Bhutnath.
Das, Tulsi Madhab.
Das Gupta, Sunil Kumar.
De, Jogesh Chandra.
Ghosh, Barindra Nath.
Guha Thakurta, Kshirod
Haque, S. M. Najmal.
Md. Tapamal.
Mitra, Syam Sundar.
Mukherjee, Santosh Kumar.
Mukherjee, Madan Mohan.
Pattak, Purna Chandra.
Sen Gupta, Amulya Kumar.

B.E. (MECHANICAL)

Banerjee, Durgadas.
Banerjee, Paresh Chandra.
Banerjee, Abani Mohan.
Biswas, Taritmoy.
Chatterjee, Arun Kumar.
Ghosh Jibananda.
Ghosh, Kshitis Chandra.
Kundu, Santipriya.
Mukherjee, Bhabesh Chandra.
Niyogi, Sanat Kumar.
Rahaman, Abu Sharf Masihur.

B.E. (ELECTRICAL).

Alovius, F. Augustine.
Basu, Dilip Kumar.
De Sarkar, Nirmal Kumar.
George, Alberts Mogose.
Sarkar, Dhirendra Krishna.

B.E. (METALLURGICAL).

Bagchi, Santosh Kumar.
Banerjee, Bani Ranjan.
Bhattacharyya, Subrata.
Das Gupta, Subodh Chandra.
Das, Ajoyananda.
Dutt, Hamendra Nath.
Ghosh, Prafulla Chandra.
Mukherjee, Guruprosad.
Nandi Haridas.
Paul, Subodh Prosad.
Sen Gupta, Himangsu Ranjan.
Sett, Sibananda.

1945

B.E. (CIVIL).

Abul Kasem Md. Fazlul Huque.
Bandopdhyaya Anil Bhusan.
Bandopadhyaya, Biswanath.
Bhattacharyya, Mahendra Nath.
Bhowmick, Alok Kumar.
Bargohain, Dharanidhar.
Brahma, Kali Krishna.
Chattopadhyay, Bhupati Nath.
Chattopadhyaya. Mihir Kumar.
Chattopadhyaya, Pramada.
Chattopadhyaya, Tripura Charan.
Chaudhuri,, Nirmal Kanti.
Chaudhuri, Saroj Kumar.
Datta, Durgacharan.
Das, Bhabatosh.
Das Gupta, Amiya Kumar.
Das Gupta, Jyotsna Kumar.
Dalmiya, Binoy Kumar.
Gangopadhyaya, Arun Chandra.
Gangopadhyaya, Jagadis Chandra.
Ghosh, Debipada.
Gupta, Kripendra Krishna.
Molla, Tejaruddin.
Mazumdar, Dilip Kumar.
Mitra, Anil Krishna.
Mushfeque, Rahaman Khan.
Roy, Bimal Kumar.
Roy Chowdhury, Suhas Kumar.
Saha, Nripendra Krishna.
Sarkar, Mihir Kumar.
Sen, Dhruba Kumar.
Sil, Krishna Sankar.

B.E. (MECHANICAL).

Das Gupta, Anil Chandra.
Ghosh, Satyendra Kumar.
Pal, Labanya Ranjan.
Sinha, Rathindra.
Sur, Girindra Nath.

B.E. (ELECTRICAL).

Ahmadullah.
Bandopadhyaya, Amarendra Kusari.
Gangopadhya, Debi Prasanna.
Kar, Keshab Chandra.
Pal, Sukumar.
Walaski, D. T.

B.E. (METALLURGICAL).

Aich, Manindra Chandra.
Bagchi, Asok.
Datta, Nikhil Chandra.
Ghosh, Debabrata.
Ghosh, Asit Kumar.
Gupta, Sachiba.
Mukhopadhyaya, Siddhinath.
Pal Ashutosh.
Roy, Saradinudu.
Sarkar, Satyabrata.
Sanyal, Sudhansu Sekhar.
Subaramaniam, V.
Syed, Anwarul Azir.

1946

B.E. (CIVIL).

Ahmed, Khaled.
Ahmed, Mujtaneduddin.
Ahmed, Ejabuddin.
Banerjee, Kalyan Kumar.
Banerjee, Chowdhury Pabitra Kanta.
Banerjee, Himansu Kumar.
Bhattacharyya, Biswanath.
Bhattacharyya, Sanat Kumar.
Chatterjee, Siddhananda.
Chakravarty, Girija Bhusan.
Chowdhury, Narayan Chandra.
Das Gupta, Anil Chandra.
Dutta, Nisith Kumar.
Ezra, A. A. H.
Ganguly, Haridas.
Ghosh, Mukul Bikash.
Guharaj, Ajit Kumar.
Hasanat, Abul.
Haque, Matharul Abu Md.
Hazra, Shyamal Kumar.
Islam, Muzhrul.
Khosla, Kishorilal.
Lahiri, Anil Kumar.
Malcolm, E. Grieff.
Mallick, Bibhuti Bhusan.
Md. Asghar Ali.
Md. Shamsul Huda.
Md. Safiullah.
Md. Aminul Islam.
Md. Maqbular Rahaman.
Md. Serajul Islam.
Mukherjee Amiya Kumar.
Mitra Bhupesh Chandra.
Nandi Madan Mohan.
Pal Niranjan.
Pradhan Narayan Chandra.
Rahman, Latifar.
Roy Chowdhury Debi Prosad.
Sen Baidyanath.
Syed, Aftabuddin Khondkar.
Shaik Mofizuddin.

B.E. (METALLURGICAL).

Basu, Chittaranjan.
Banerjee, Bani Prasad.
Banerji, Amal Chandra.
Barrow, R. P.
Bhattacharyya, Subodh Chandra.
Chatterjee, Debabrata.
De, Sudhir Chandra.
Haque, A. R. M. I.
Mukherjee, Arun Kumar.
Mukherjee, Sachindranath.
Roy, Amal Kumar.
Sen, Susanta Kumar.

B.E. (ELECTRICAL).

Basu, Barindra Nath.
Banerjee, Bani Kumar.
Chakravarty, Prasanta.
Ghosh, Partha Kumar.
Lahiri, Sachis Chandra.
Majumdar, Hemendranath.
Mukherjee, Bidhan Charan.
Syed Rafique Hossain.

B.E. (METALLURGICAL).

Banerji, Brajesh Chandra.
Bhattacharyya, Asoke Kumar.
Biswas, Subas Kanti.
Chakravarty, Pannalal.
Chakravarty, Dilip Kumar.
Chowdhury, Manabendra.
Das, Panchanan.
Das, Ranendra Nath.
Ghosh, Diptis Kumar.
Ghosh, Hari Prosad.
Mitra Amal Kumar.
Sanyal Debendra Prosad.
Sen, Debabrata.

Shome, Kartick Chandra.
Thakur, Bijoy Krishan.

1947

B.E. (CIVIL).

(Old Regulation).

Abdul, Wazid.
Ahmed, Shujauddin.
A. K. M. Siddique Rahaman.
Banerjee, Pranab Kumar.
Barua, Priyendralal.
Md. Abdul Maunan.
Md. Ambar Ali.
Md. Safiar Rahaman.
Md. Sajidar Rahaman Khan.
Roy, Samirendra Nath.
Sarkar, Bimal Kanti.

(New Regulation).

Ahmed, Kamaluddin.
A. K. M. Abdul Hannan.
Akbar Hossain Khan.
A. K. M. Majibut Haque.
Basu, Arun Kanti.
Bose, Ramendranath.
Barua, Hiranmoy.
Bhattacharyya, Paresh Chandra.
Bhattacharyya, Sibaprasad.
Biswas, Kalyan Kumar.
Biswas, Dhirendra Kumar.
Chakravarty, Sunil Krishna.
Chatterjee, Barada Charan.
Chatterjee, Jagadish Chandra.
Chowdhuri, Sudhir Kumar.
Chowdhuri, Samarendra.
Datta, Manjim Mukul.
Dutta, Satyendra Nath.
Das Gupta, Khagendra Narayan.
Das Gupta, Ajoy Kumar.
Dey, Kedarnath.
Friester Kherkongar.
Ghosh, Animesh Chandra.
Ghosh, Arabinda.
Guha, Ashutosh.
Gupta, Ranjit Kumar.
Halder, Sudhir Kumar.
Maity, Pinaki Ranjan.
Md. Zahurul Haque.
Md. Habibullah Khan.
Mitra, Rathindra Kumar.
Mitra, Mukti Sadhan.
Mitra, Arabinda.
Mukherjee, Ashim Kumar.
Mukherjee, Dhirendranath.
Nandi, Bhupesh Chandra.
Roy Chowdhury, Samarendra.
Roy Chowdhury, Satyabrata.
Sarkar, Sudhindra.
Samaddar, Chittaranjan.
Syed Mahabulal Kalim.
Sen, Ajit Kumar.

B.E. (MECHANICAL).

(New Regulation).

Anthony, A. L.
Chatterjee, Santipada.
Dastidar, Amal Ranjan.
Ghosh, Santosh Kumar.
Gupta, Mihir Prokas.
Khorahedu Zaman.
Mallick, Dhiraj Kumar.
Mitra, Bimalangshu Kumar.
Nag, Provash Kanti.
Rudra, Anil Chandra.
Sen, Amiya Kumar.
Sen Gupta, Sailendra Nath.
Sur, Kamala Kanta.

B.E. (ELECTRICAL).

(New Regulation).

Das Gupta, Priyabrata.
Dutta, Tapan Kumar.
Hakim, Abdul.
John Sirmon.
Menzies, H. J. D.
Sarkar, Gautom.
Sarkar, Nikhil Ranjan.
Sarkar, Sachidananda.
Saha, Haradhan.
Sen, Jitendra Narayan.
Sen, Gopinath.
Thapa Mukunda Bahadur.

B.E. (MECHANICAL).

(Old Regulation).

Banerjee, Amar Prosad.
Banerjee, Santosh Kumar.
Chatterjee, Ashit Kumar.
Chanda, Bijit Mohan.
Dam, Salil Kumar.
Das, Manishi Ranjan.
Das, Arun Kumar.
Gupta, Pratap Kumar.
Mallick, Niharendu.
Manna, Brajo Kishore.
Md. Gulzar Ali Biswas.
Montgomery, R. H.
Neogi, Chittaranjan.
Palit, Kanai Lal.
Roy Sudhendu Chandra.

1948

B.E. (CIVIL).

Bandopadhyaya, Rabindranath.
Bandhopadhyaya, Amitava.
Basu, Amaresh Kumar.
Basu, Amar Krishna.
Basu, Chandranath.
Basu, Mihir Kumar.
Basu, Rabi Priya.
Basu, Mallick Gurudas.
Bhaduri, Santi Ram.
Bhattacharyya, Satinath.
Chattopadhyaya, Sudhindranath.
Chattopadhyaya, Sanat Kumar.
Chakravarty, Ajoy Pada.
Chakravarty, Sunil Baran.
Chakravarty, Kambunath.
Chowdhuri, Deb Narayan.
Chowdhuri, Masihur Rahman.
Datta, Bijoy Gopal.
Das, Bijoy Kumar.
Das, Mihir.
De, Chittaranjan.
De, Sital Chandra.
Dey, Amal Kumar.
Deb, Kanan Ranjan.
Deb, Nirmal Chandra.
Deb, Phanindra Kumar.
Fazal Ahmed Chowdhury.
Goswami, Mihir Kumar.
Gohain, Hiteswar.
Gongopadhyaya, Sasanka Sekhar.
Islam, Aminul.
K. A. M. Md. Baquibillah.
Lakin, O. Noel.
Lala Arun Prosad.
Mazumdar, Biswa Nath.
Mazumdar, Debtosh.
Mazumdar, Sailesh Chandra.
Md. Yasin Khan.
Md. Nurezzaman.
Md. Azizur Rahaman.
Md. Ibrahim Hossain Talukdar.
Mitra, Asit Kumar.
Mondal, Jatindranath.
Mukhopadhyaya, Durgadas.
Mukhopadhyaya, Amulya Chandra.
Mukhopadhyaya, Syam Sundar.
Mukhapadhyaya, Basudeb.
Mustafizur Rahman.
Nag, Prittis Chandra.
Pal, Asim Kumar.
Roy, Ajoy Kumar.
Roy, Satindra Mohan.
Roy Debraj, Mrityunjoy Kumar.
Sanyal, Narayan Das.
Sen, Hemendra Nath.
Sen, Sital Chand.
Shamsul Haque.
Shariful Alam Iman Ahmed.
Solomon Ezekiel.
Syed A. B. M. Inamil Haque.
Wahidur Rahman.

B.E. (MECHANICAL).

Ataul Haque.
Basu, Sudhindra Kumar.
Bandopadhyaya, Anil Chandra.
Bandopadhyaya, Sibananda.
Biswas, Bimalendu Narayan.
Das, Sukumar.
Dutta, Nepal Krishna.
Gongopadhay, Susil Kumar.
John Everard Terry.
Majumdar, Santi Bhusan.
Majumdar, Sunil Kumar.
Mallick, Prabhas Chandra.
Mitra, Birendra Kumar.
Mondal, Satya Ranjan.
Nowsher Ali.
Nuazi Badruddin Ahmed.
Pal, Ramdal Terry.
Roy, Alok Ranjan.
Roy, Pabitra Kumar.
Roy, Pronab Kumar.
Sen, Syamapada.
Shamsu Huda Khondkar.

B.E. (ELECTRICAL).

Basu, Amal Chandra.
Bandopadhyaya, Arun.
Bhattacharyya, Barindra Mohan.
C. M. Douglas Cearns.
Chattapadhyaya, Manas Kumar.
Datta, Narayan Chandra.
Datta, Sisir Kumar.

Ghosh, Debi Prasanna.
Gupta, Ranjit Chandra.
Majumdar, Jyotirmoy.
Majumdar, Asim Kalo.
Sarma, M. M. Brajamoni.
Sen, Sankar Kumar.
Quazi Hasan Taufiqe.

B.E. (METALLURGICAL).
Bhaduri, Sukumar.
Ghosh, Barindra Prosad.
Mitra, Sunil Kumar.

1949

B.E. (CIVIL)
Basu, Phalguni.
Basu, Sudhansu Kumar.
Basu Roy, Sujit Kumar.
Bhattacharya, Rajendralal.
Bhattacharyya, Pranamay.
Chowdhury, Achyutananda.
Chowdhury, Parimal.
Das, Priyanath.
Das, Sudhir Kumar.
Datta, Amalendu.
Datta, Mrinal Kanti.
Das Gupta, Chittaranjan.
Das Gupta, Bhabani Ranjan.
E. N. Snell.
G. R. Tofayel Ahmed.
Ghosh, Debaprasad.
Ghosh, Deb Kumar.
Ghosh Bijitendra.
Ghosh, Debapriya.
Guha, Ratnakar.
Guha, Gopal Prosad.
K. M. Altaf Hussain.
Karki, Bishnu Bahadur.
Lahakar, Karuna Dutta.
Majumdar, Jyotirmoy.
Md. Abu Hussain.
Majumdar, Parimal Chandra.
Majumdar, Birendra Mohan.
Majumdar, Debabratta.
Md. Abul Faiz.
Md. Asaduzzaman.
Md. Azharuddin Khan.
Md. Buzlur Rahman.
Md. Khaliluddin.
Md. Manzural Haque.
Md. Mohsin Ali Khan.
Md. Nurul Hossain.
Md. Shamsuzzoha.
Mondal, Radhapada.
Mukhopadhyaya, Biswajyoti.
Mukhopadhyaya, Debaprosad.
Mukhopadhyaya, Mohit Kumar.
Nesaruddin Ahmed Talukdar.
Niyogi, Sakat Kumar.
Roy, Nikhiles.
Roy, Parbati Kumar.
Roy, Parimal Kishore.
Samajdar, Sukhamay.
Sarkar, Prasanta Kumar.
Sen, Keshab Chandra.
Sen, Sachindra Kumar.
Sen, Sankar Prosad.
Suffi, Anwar Hossain.
Talapatra, Sibkinkar.

B.E. (MECHANICAL).
Banerjee, Gurudeb.
Basu, Ajoy.
Bhatter, Sundarlal.
Chakravarti, Nitibhusan.
Chakravarti, Binayendu.
Douglas Cecil.
Das, Dilip Kumar.
Das Gupta, Arun Kumar.
Das Gupta, Satiprasad.
De, Sibaprasad.
Ghosh, Asisbindu.
Ghosh, Sailendra.
Gerald, O. D'Sena.
Haldar, Dwijendra.
Kundu, Debabrata.
Kundu, Ananda Mohan.
Md. Ataur Rahaman.
Md. Loqman Hussain.
Mimam, Narayan Das.
Nuruddin Taufiq-ul-Islam.
Roy, Gauri Sankar.
Roy, Gurudas.
Roy, Sitansu.
Sarkar, Ajit.

B.E. (ELECTRICAL).
A. B. M. Taher.
A. S. M. Shamsuzzaman Chowdhury.
A. R. Md. Mahbubar Rahman.
Bandopdhyaya, Amal Kumar.
Banerjee, Sundar Narayan.
Chattopadhyaya, Amitava.
Chaudhuri, Susil Kumar.
Das, Sudhansu Kumar.
Gangopadhay, Rabindra Nath.
Md. Attar Rahaman.
Md. Wajahat Ali Riswi.
Md. Abdul Hai Akhtar.
Majumdar, Nares Chandra.
Majumdar, Sunil Kumar.
Misra, Amiya Nath.
Mitra, Satrujit Kumar.
Nepal, Ram Prasad.
Sarkar, Ardhendu Sekhar.
Saha, Prafulla Chandra.

B.E. (MECHANICAL).
Chattapadhyaya, Ranjit Kumar.
Mukhopadhyaya, Prabhat Charan.

1950

B.E. (CIVIL)
Abdul, Mannan.
Banerjee, Butto Krishna.
Banerjee, Haradhan.
Bera, Rabati Raman.
Basu, Jyotsnamay.
Bose, Ratneswar.
Chakravarty, Tejamoy.
Das, Netai Sankar.
Das Gupta, Bibhuti Bhusan.
Das, Gupta Subir Kanta.
Dey, Provash Chandra.
Chanda, Sambhu Narayan.
Chanda, Santosh Kumar.
Ganguly, Sunil Kumar.
Ghosh, Pranab.
Ghosal, Santosh Kumar.
Guha, Debajyoti.
Guha Roy, Nirmal Kumar.
Kayal, Amiya Prosad.
Mallik, Pradyot Kumar.
Mallik, Durga Charan.
Mondal, Satyendra Kumar.
Mondal, Subhas Chandra.
Majumdar, Bijon Krishna.
Md. Abdul Hafiz.
Md. Azimuddin.
Md. Endad Ali.
Mukherjee, Brojendra Nath.
Mukhopadhyaya, Kunjalal.
Mukhopadhyaya, Susanta Kumar.
Pani, Sadananda.
Roy Chowdhury, Pijush Lal.
Samaddar, Haridas.
Sarkar, Arunkumar.
Sarkar, Ranajit Kumar.
Shamsul Kabir Humayun.
Sharma, Bhabadeb.
Som, Pijush Kanti.
Sinha, Himangsu Sekhar.
Sinha, Nripendra Chandra.
Sinha, Sunil Kumar.
Shamsul Kabir Humayun.

B.E. (MECHANICAL).
Bhaduri, Narendra Nath.
Bose, Ajit Krishna.
Biswas, Sanat Kumar.
Chatterjee, Mihir Kumar.
Dey, Manu Gopal.
Ganguly, Biswanath.
Manna, Ananta Kumar.
Mukhopadhyaya, Satya Gopal.
Mukherjee, Provat Kumar.
Roy, Pulak Chandra.
Sanyal, Bhabani Prosad.
Sodhi, Surain Singh.
Singh, Haoban Angangvaima.

B.E. (ELECTRICAL).
Banerjee, Tarun Kumar.
Basak, Dilip Kumar.
Dalal, Anil Baran.
Das, Subhendu.
Ganguly, Arun Kumar.
Ghosh, Sunil Kumar.
Haik, Apcar Arratoon.
Mukherjee, Tarun Kumar.
Pal, Bimal Kumar.
Rakshit, Sachindra Mohan.
Rakshit, Radha Gobinda.
Roy, Charan Kumar.
Sanyal, Monoj.
Shah, Mohammed Al-Husainy.
Ziauddin Yusuff.

B.E. (METALLURGICAL).
Ganguly, Debaprosad.
Gupta, Dilip Kumar.
Mukherjee, Gokulananda.
Pramanik, Sudhansu Ranjan.
Patrick, Wilfred Doyle.

B.E. (CIVIL)—PART II.
Banerjee, Sushil Chandra.
Bhattacharya, Ashutosh.

Bose, Arun Kumar.
Chopra, Ajodyanath.
Das Gupta, Santiranjan.
Ganguli, Pinaki.
Gupta, Dilip Ranjan.
Ghosh, Bimal.
Mondal, Sudhir Kumar.
Sarkar, Sachindra Nath.
Saha, Abani Ranjan.
Sharma, Jnanprasad.

B.E. (ELECTRICAL)

Otta, Budhyanath.
Sengupta, Indumadhab.

1951—April.

B.E. (CIVIL)

Asmar Md. Nurul.
Banerjee, Santosh Kumar (No. 1).
Banerjee, Santosh Kumar (No. 2).
Banerjee, Sukumar.
Banerjee, Kalidas.
Banerjee, Guru Prosad.
Basak, Brojogopal.
Basu, Netai Das.
Bhattacharyya, Amulya Nath.
Bhattacharyya, Monoj.
Bhowal, Sukesh Ranjan.
Biswas, Satyendranath.
Biswas, Sunil Kumar.
Brahma, Guruprosad.
Chattopadhyaya, Pankaj Kumar.
Chokroborty, Birendranath.
Dam, Sujit Kumar.
Das, Suniti Bhusan.
Das Gupta, Bani Bhusan.
Das Gupta, Kishori Mohan.
Das Gupta, Santosh Kr.
Das Munshi, Kamalendu.
Dutt, Ashok.
Gangully, Sasanka Sekhar.
Ghosh, Keshab Narayan.
Ghosh, Bikash Kumar.
Gupta, Probal.
Gupta, Shyamal Kr.
Gupta, Sailapati.
Guha, Sukumar.
Guha Biswas, Himanshu Bhusan.
Guha Neogi, Monoranjan.
Jali, Lalit Mohan.
Kumar, Harendranath.
Lahiri, Suprovat Chandra.
Mondal, Upendranath.
Mondal, Monmothonath.
Mondal, Amirali.
Mitra, Ajoy Kumar.
Mitra, Sarat Chandra.
Mukherjee, Ashutosh.
Nandi, Subir.
Neogi, Birendranath.
Pal, Chittaranjan.
Poddar, Amal Kanti.
Patnaik, D. R. K.
Rakshit, Kripasindhu.
Roy, Paresh Chandra.
Roy, Rebati Bhusan.
Roy, Arun Kumar.
Roy, Ashis Kumar.
Roy, Mohanlal.
Roy, Nabendunath.
Roy, Pradip Sikha.
Sahana, Pradyumna Kumar.
Samanta, Kanailal.
Samanta, Chandra Sekhar.
Saha, Sanjib Chandra.
Sarkar, Chiranjib Kumar.
Sarkar, Arun Kumar.
Sarkar, Jyotirmoy.
Sen, Salil Kumar.
Sen, Sunil Kanti.
Sen Majumder, Parimal.
Vergis Abraham.

B.E. (MECHANICAL).

Basu, Sushil Kumar.
Basu, Satyacharan.
Chowdhury, Nepal Krishna.
Datta, Naba Kumar.
D'Netto, Hubert A.
De, Susanta Kumar.



Majumder, Ila.
FIRST LADY GRADUATE IN ENGINEERING OF THE CALCUTTA UNIVERSITY

Mitra, Harendranath.
Mitra, Bhakta Mohan.
Mukherjee, Debnath.
Pal, Pannalal.
Pal, Birendra Chandra.
Pal, Janaki Kanta.
Pal, Dilip.
Raha, Ahibhusan.

B.E. (ELECTRICAL).

Banerjee, Arun Kumar.
Bhattacharyya, Prantosh.
Chatterjee, Amritava.
Chatterjee, Bankim.
Chatterjee, Debabrata.
Chatterjee, Rudreswar.
Debataradja, Ch.
Dev, Benoy Krishna.
Guha, Parimal Kanti.
Mukherjee, Keshab Chandra.
Naha, Deboprosad.
Roy, Ashok Kumar.
Roy, Bipin Krishna.
Rudra, Bikash Kumar.
Sen, Saradindu.
Sewis, Leonard Richard.
Singh, Jasobant.

B.E. (METALLURGICAL).

Sen, Pronab Kumar.
Sheal, Arun Kumar.
Surajdeo Prosad.

November.

B.E. (CIVIL).

Ghosh, Arun Kumar.
Ghosh, Samir Kumar.
Kanwar, Debendranath.
Roy, Bankim Chandra.
Roy Chowdhury, Amal Kanti.
Sarkar, Snigdhya Kumar.
Sheik Sanaulla.
Verma Harishankar.

B.E. (MECHANICAL).

Md. Kewsur Ali.

D.T.R.P. (June).

Datta, Mrinal Kanti.
Ghosh, Bijitendranath.
Samajdar, Sukhomol.

1952—May.

B.E. (CIVIL).

Aga, Minu.
Banerjee, Anil Kumar.
Banerjee, Benoy Krishna.
Banerjee, Santi Kumar.
Banerjee, Biswanath.
Barua, Upendranath.
Basu, Smritiranjan.
Bhattacharyya, Amiya Kumar.
Batabbal, Hirendranath.
Bhattacharyya, Amiya Kumar.
Bhattacharyya, Ashim Kumar.
Bhakta, Nirod Kanta.
Bhowmick, Provat Ranjan.
Chatterjee, Ramesh Chandra.
Chatterjee, Tarun Chandra.
Chakraborty, Sunil Kumar.
Chowdhury, Deb Kumar.
Chowdhury, Pronob Kumar.
Chowdhury, Badal Kanti.
Das, Ramanath.
Datta, Santosh Kumar.
De, Ishan Chandra.
Debgupta, Arijit Kumar.
Ghosh, Debobrata.
Ghosh, Deboprosad.
Ghosh, Ashis Kumar.
Gogai, Budhindranath.
Guin, Niranjan.
Kumar, Debiprosad.
Lahiri, Sailoja Kanta.
Lahiri, Ramapada.
Mahalanabis, Mohit.
Majumder, Arupratan.
Majumder, Subhas Chandra.
Majumder, Sushil Kumar.
Misra, Nilkanto.
Mitra, Rabindra.
Moitra, Basudeb.
Mukherjee Amaresh.
Mukherjee, Ashis Kumar.
Mukherjee, Sanat Kumar.
Mukherji, Sunil Chandra.
Paul, Ashim Kumar.
Phukan, Satyendranath.
Roy, Dilip Kumar.

Roy, Hector Eugene.
Roy, Samir Kumar.
Roy, Satyendranath.
Sanyal Kalyan Kumar.
Sanyal, Salil Kumar.
Sarkar, Ramesh Chandra.
Sarkar, Saktipati.
Sengupta, Sunil Kumar.
Singh, Santokh.
Sthanpati, Haratosh.
Thakurta, Dilip Kumar.

B.E. (MECHANICAL).

Bhattacharyya, Khitish Chandra.
Bhattacharyya, Krishna Chandra.
Chattopadhyaya, Paritosh.
Datta, Arun Kumar.
Ghosh, Basanti Prosad.
Halder, Dhirendranath.
Karmokar, Brojagopal.
Kesh, Salil Kumar.
Kundu, Jatipriya.
Mitra, Priya.
Mukherjee, Ranjit.

B.E. (ELECTRICAL).

Basu, Amal Kumar.
Chatterjee, Pronab.
Das, Ajit Kumar.
Das, Bijan Behari.
Fonseca, Edsel Martin.
Ghosh, Priyabrata.
Lodh, Bhudeb Chandra.
Mitra, Amiyamay.
Mukherjee, Suhas.
Roy, Dilip Kumar.
Sen, Rathindranath.
Sen Gupta, Probir Kumar.
Sinha, Nimai Chandra.
Sircar, Anandalal.

B.E. (METALLURGICAL).

Das, Badrinarayan.

D.T.R.P. (June).

Basu, Arun Kanti.
Ghosh, Deb Kumar.
Sircar, Sudhindra.

November.

B.E. (CIVIL).

Bagchi, Tarun Sankar.
Banerjee, Kalipada.
Chatterjee, Ramnarayan.
Chatterjee, Shamapada.
Ganguly, Pronab Kumar.
Ghosh, Ranjit Kumar.
Maitra, Nirmalendu.
Majumder, Satyendra Kumar.
Majumdar, Suhas Ranjan.
Medhi, Barada Charan.
Mukherjee, Provat Kumar.
Roy, Sukendranath.
Sarkar, Trailokya Nath.
Sengupta, Hiranmoy.

B.E. (METALLURGICAL).

Banerjee, Arunoday.
Banerjee, Asok.
Banerjee, Santosh Kumar.
Bhattacharya, Arun Kumar.
Chakraborty, Sunil Kumar.
Das, Amiya Kumar.
Dasgupta, Gouriprosad.
Gupta, Susanto Kumar.
Khan, Tousin.
Mukherjee, Pankaj Kumar.
Roy, Pijush Gopal.
Shaha, Ramesh Chandra.

B.E. (ELECTRICAL).

Basu, Ramendra Kumar.
Datta, Anil Kumar.
Datta, Subir Krishna.
Mukutmani, Tapash.
Paul, Radha Kanta.
Roy, Sunil Kumar.
Sarkar, Asok Kumar.
Vaz, Herman A. R.

1953—May.

B.E. (CIVIL).

Bardhan, Roy Bipul Kr.
Banerjee, Phalguni.
Bakshi, Jatindranath.
Bakshi, Nripendra Mohan.
Basu, Asok.
Basu, Muralidhar.
Basu, Bhudeb Kumar.
Bandopadhyaya, Dilip Kumar.
Bhaduri, Saibal Behari.
Bhattacharya, Ajit Kumar.
Biswas, Surendranath.
Biswas, Tushar Kanti.
Brahma, Kaliram.
Brahma, Syamaprosad.
Chattopadhyaya, Asok Kumar.
Chattopadhyaya, Narendra Narayan.
Chattopadhyaya, Pijush Kanti.
Chattopadhyaya, Saradindu Sekhar.
Chowdhury, Kamakhya Prosad.
Chowdhury, Nilay.
Das, Amalesh.
Das, Bimalendu.
Das, Prodyot Kumar.
Das, Profulla Ranjan.
Das Chowdhury, Chittaranjan.
Datta, Pratul Kumar.
Datta, Pradyot Kumar.
Dattagupta, Shambhunath.
De, Amiya Bhusan.
De, Ranjit.
Deb, Amiya Bhusan.
Debgupta, Subhas Chandra.
Gangopadhyaya, Bijoy Kumar.
Gangopadhyaya, Keshab.
Ghosh, Asok Kumar.
Ghosh, Madan Mohan.
Ghosh, Sisir Kumar.
Gupta, Asok.
Gupta, Swaraj Chandra.
Guha, Bani Tanaya.
Guha, Surojitnath.
Guha Thakurta, Sujit.
Kapoor, Bimal Prakash.
Kar, Jitendranath.
Kundu, Girija.
Laha, Bidyut Kumar.
Lama, Nima Namyal.
Laskar, Ashutosh.
Majumdar, Sitansu.
Mukhopadhyaya, Jyotsna Kr.
Mukhoptdhyaya, Prasanta Kumar.
Nag, Satyabrata.
Pal, Biswanath.
Pal, Debi Prosad.
Pal, Nihar Kumar.
Panigrahi, Girija Sankar.
Roy, Durgapada.
Roy, Pritish Chandra.
Saha, Amalendu.
Sarkar, Kamala Kanta.
Sarkar, Tarit Kumar.
Sen, Prosad.
Sen Gupta, Basanta Kumar.
Sengupta, Sarbani Kumar.
Seth, Rabindra Kumar.
Singh Roy, Debi Prosad.
Singhabahu, Birendra Kumar.
Sur, Suryya Kumar.

B.E. (MECHANICAL).

Bhanja, Himansu Kr.
Bhar, Somendu.
Basu, Asok Kr.
Basu, Joydev.
Bandopadhyaya, Bimal Kumar.
Bhattacharyya, Santi Gopal.
Chattapadhyaya, Dines Chandra.
Chattapadhyaya, Subrata.
Chaudhuri, Bijay Kumar.
Dhar, Gobindadas.
Ghosal, Tarun Chandra.
Ghose, Sasanka Sekhar.
Ghose Dastidar, Bhabani Prosad.
Mukhopadhyaya, Satya Narayan.
Roy, Amit Kumar.
Roy, Bishnupada.
Roy, Dhruba Nath.
Roy Chowdhury, Nirmal Chandra.
Sen, Amiya Kumar.
Sen, Diptish.

B.E. (ELECTRICAL).

Bagchi, Chandranath.
Bal, Prabhakar Shantaram.
Basu, Arabinda.
Basu, Jyotirmoy.
Bhattacharyya, Anandamoy.
Bhattacharyya, Chittaranjan.
Biswas, Ashish Kumar.
Chattopadhyaya, Sisir Kumar.
Chattopadhyaya, Someswar Prosad.
Chaudhuri, Asok.
Danda, Haripada.
Das, Sailendra Nath.
Kundu, Rabindra Mohan.
Palit, Basanta Behari.
Roy, Madan Mohan.
Roy, Rathindranath.
Sen, Ajoy Kumar.
Singh, Manmohan.

November.

B.E. (CIVIL).

Baruah, Bimal Chandra.
Basu, Barun Kumar.
Basu, Apurba Kumar.

Bhattacharyya, Mrityunjoy.
Bhattacharyya, Saroj.
Chattopadhyaya, Ranjit Kumar.
Datta, Amarjit.
Datta, Kamal Kumar.
Gupta, Chandra Kumar.
Mallick, Subhas Charan.
Mukhopadhyaya, Murari Mohan.
Mukhopadhyaya, Saroj Kumar.
Mukhopadhyaya, Subir Kumar.
Roy, Mrigendra Nath.
Roy, Subrata.
Swain, Janaki Ballav.

B.E. (MECHANICAL).

Chowdhury, Nirupam.
Das, Manindra Kumar.
Datta, Ramendranath.
Ghosh, Santo Gopal.
Kumar, Birendra Lal.
Mukhopadhyaya, Madhabendra.
Patra, Gobinda Lal.
Purkyastha, Pabitra.
Sarkar, Sushil Ranjan.
Sen, Sudhanshu Kumar.

1954—May.

B.E. (CIVIL).

Adhikari, Silananda.
Bandyopadhyaya, Ajit Kumar.
Bandyopadhyaya, Nripesh Ch.
Basak, Ranjit Kumar.
Basu, Kalyan Kumar.
Basu, Nitish Ch.
Basu, Syamsundar.
Bhattacharyya, Alok.
Bhattacharyya, Subol Mohan.
Bhowmik, Bibhuti Bhusan.
Biswas, Nirmal Kumar.
Chakravarty, Subrata.
Chattopadhyaya, Binoy Kumar.
Das, Kalidas.
Das, Sitala Prosad.
Das Gupta, Nisit Kumar.
Das Gupta, Tusharkanti.
Datta, Monojit.
Datta, Rabindra Nath.
Datta, Subhendu Kumar.
Ghosh, Salil Kumar.
Ghosh, Utpal Krishna.
Ghosh, Ramkinkar.
Ganin, Giridhari Lal.
Ghosh, Gautam Kumar.
Goswami, Debendra Nath.
Guha Thakurta Arun Kumar
Kar, Ashit Ranjan.
Kar, Subodh Chandra.
Khuslani, Uttam.
Majumdar, Sankar Prosad.
Mal, Narendra Chandra.
Mallik, Chandi Charan.
Mandal, Matilal.
Mitra, Dilip Kumar.
Mukhopadhyaya, Manotosh Kr.
Mukhopadhyaya, Paritosh Kumar.
Mukhopadhyaya, Sukumar.
Nandi, Pradesh Kumar.
Nandi, Sunil Chandra.
Nandi Majumdar, Kohinoor.
Pal, Pradipta Kumar.
Palit, Bijan Krishna.
Raghaban, G. C.
Roy, Penaki Ranjan.
Roy, Sunil Kumar.
Roy, Tapan Kumar.
Sanyal, Nirmal.
Sarkar, Ashis Bhusan.
Sarkar, Saurendra Nath.
Sarkhel, Amal Chandra.
Shaha, Phani Bhusan.
Sinha, Nirmal Kumar.
Sinha Roy, Pijush Kumar.
Verma, Surendra Nath.

B.E. (MECHANICAL)

Bandyopadhyaya, Kasinath.
Basu, Ajaylal.
Bhattacharyya, Arun Kumar.
Bhattacharyya, Biswanath.
Chakravarty, Snigdha Kumar.
Das, Arun Prakash.
Das Gupta, Buddhadeb.
Ghosh, Rathindra Nath.
Ghosh, Satyabrata.
Mukhopadhyaya, Ajit Kumar.
Nath, Dwijendra Lal.
Pal, Nishit Ranjan.
Ray, Amarendra Nath.
Sarayan, Debi Prosad.
Sarkar, Biswanath.
Som, Subrata.

B.E. (ELECTRICAL)

Basu, Subir Kumar.
Chakravarty, Subodh Ranjan.
Datta, Sudhansu Mohan.
Datta, Kshamish Bandhu.
Gangopadhyaya, Sukreeti Mohan.
Gangopadhyaya, Syamalendu.
Kundu, Manmatha Lal.
Lahiri, Ajit Kumar.
Majumdar, Asok Kumar.
Majoo, Gokul Narayan.
Nath, Subhendu.
Roy Chaudhuri, Rames.
Som, Chittaranjan.

B.E. (METALLURGICAL)

Basu, Sujit Kumar.
Ghosh, Ajit Kumar.
Lahiri, Dakshina Prosad.

B.E. (ARCHITECTURE)

Banerjee, Amiya Kumar.
Das Gupta, Arun Kumar.
Dhar, Biswa Kanta.
Moitra, Debaprasad.
Majumdar, Subir.
Sundareswaran, V.

D.T.R.P.

Chatterjee, Rames Chandra.
Chatterjee, Tarun Chandra.
Sen, Sunil Kanti.

November.

B.E. (CIVIL)

Acharya, Bimalendu.
Bandopadhyaya, Amal Krishna.
Barick, Lakshmi Narayan.
Basu, Tarun Kumar.
Chattopadhyaya, Arun Prosad.
Chattopadhyaya, Tirthendra Nath.
Das, Hari Ranjan.
Ghosh, Aurobindo.
Guha, Badal.
Hem Chaudhuri, Sudip Kumar.
Kundu, Satyabrata.
Mahapatra, Chakradhar.
Maitra, Purnendu Kumar.
Mallick, Hirendra Nath.
Masat, Deb Kumar.
Mukhopadhyaya, Kalyan Kumar.
Mukhopadhyaya, Sujoy Krishna.
Qayoum Abdul.
Rao, P. Suryanarayana.
Roy, Satyen Kumar.
Sarkar, Kamalesh.
Sarkar, Tridib Kumar.
Sen, Samir Kumar.
Sengupta, Dinendra Kumar.
Sengupta, Jyoti Kumar.
Sengupta, Pranab.
Upadhyaya, Birendra Kishori.

B.E. (MECHANICAL).

Abedin Zainul.
Ahluwalia Diljit Singh.
Banerjee, Prasun Kumar.
Das, Sreenibas.
Deb, Amarendra Nath.
Mukherjee, Suhas.
Sen, Bhaskar.
Sil, Gopal Chandra.

B.E. (ELECTRICAL).

Chattopadhyaya, Biswanath.
Das, Bhabatosh.
Datta, Chitta Ranjan.
Dey, Amarendra Nath.
Gadi Gavin Derrick.
Mallick, Chitta Ranjan.
Mallick, Kamal Chandra.
Mukhopadhyaya, Salil Kumar.
Paul, Richard Marton.
Roy, Sasanka Sekhar.
Sinha, Subrata.
Vaz, Joseph Julias.

B.E. (METALLURICAL).

Mukherjee, Debabrata.
Mukherjee, Hari Gopal.
Sinha, Patit Paban.
Shaffiquiddin, Ahmed Abul Hasnet.

B.E. (ARCHITECTURE).

Bhattacharyya, Sukumar.
Roy, Samarendra Nath.

1955—May.

B.E. (CIVIL).

Bagchi, Manindranath.
Bandopadhyaya, Amitava.
Bandopadhyaya, Bijoy Krisna.
Bandopadhyaya, Rajendra Kumar.
Bandopadhyaya, Saktidas.
Basak, Narayan Chandra.

Basu, Nirmal Kumar.
Bhadra, Nihar Ranjan.
Bhattacharyya, Ranendra Lal.
Bhattacharyya, Beda Ranjan.
Biswas, Bimalendu.
Chattopadhyaya, Biswanath.
Chattopadhyaya, Sphatikeshwar.
Chopra, Ramesh Chandra.
Das Gupta, Monoranjan.
Datta, Rohini Kumar.
Ganguly, Sitansu Kumar.
Ghosh, Amitabha.
Ghosh, Srikumar.
Golam Mohammed, Nerwere.
Guha Biswas, Satyendra Mohan.
Kole, Biswanath.
Mandal, Manas Kumar.
Mukhopadhyaya, Rabindranth.
Mukherjee, Pronab Kumar.
Mukherjee, Malay Kumar.
Mahanti, Bhakta Ranjan.
Nayak, Biswanath.
Roy, Pradip Kumar.
Sen, Arun Kumar.
Sen, Karunamoy.
Sen, Nihar Kumar.
Sarangi, Bansidhar.
Saikia, Mohini Mohan.
Sengupta, Bikash Ranjan.
Sengupta, Bipul Ranjan.

B.E. (MECHANICAL).
Bhaduri, Bhaskar Nath.
Chakrabarti, Basudeb.
Chattopadhyaya, Asok.
Datta, Ranajit.
De, Pranab Kumar.
Ghatak, Kiranmoy.
Majumdar, Bimal Kumar.
Roy, Bimal Gati.
Sarkar, Prithwis Ranjan.
Sen, Samir Kumar.
Sen Sarma, Ranjit Kumar.
Sur, Anantadeb.

B.E. (ELECTRICAL).
Acharyya, Nirmalendu.
Basu, Pratul.
Basu, Sankar Prosad.
Bhattacharyya, Bishnu Pada.
Chandra, Dilip Kumar.
Chattapadhyaya, Bidyut Kumar.
Chattapadhyaya, Nirmal Kumar.
Datta, Rabindra Nath.
De, Indra Lal.
Ghosh, Bijan Chandra.
Kuri, Kula Bhusan.
Mustaphi, Amitabha.
Sarkar, Amarendra Nath.
Sarkar, Phabani Prasad.

B.E. (METALLURGICAL).
Bandopadhyaya, Janmajoy.
Basak, Premananda.
Gupta, Kinkar Prosad.
Mitra, Nimai Kumar.
Roy, Jyotirmoy.
Sengupta, Dipak.

B.E. (ARCHITECTURE).
Biswas, Dilip Kumar.
Das Gupta, Pinaki Ranjan.
Datta, Biraj Kanti.
Roy, Satyabrata.
Sen, Dhrubajyoti.
Sinha, Ashish Kumar.

November.
B.E. (CIVIL).
Adhikary, Karnadhoj.
Banerjee, Paritosh.
Barua, Debapriya.
Basu, Dilip Kumar.
Bhowmik, Nikhil Ranjan.
Brahma, Surespraśad.
Bhattacharyya, Amiya Kumar.
Chanda, Samendra Nath.
Chakrabarty, Gautam Kumar.
Chatterjee, Kinsuk Kumar.
Das, Bimal Chandra.
Das, Debabrata.
Das, Haranath.
Das Gupta, Samiran.
Datta, Promad Ranjan.
Ghosh, Rabindra Kumar.
Giri, Gourdas.
Mukherjee, Baladeb.
Mukherjee, Debendra Mohan.
Neogi, Bimal Kumar.
Roy, Gour Kishore.
Sen, Swadesh Chandra.
Sengupta, Pravash.
Som, Bidhu Bhusan.

B.E. (MECHANICAL).
Bhattacharyya, Prasanto Kumar.
Chakravarty, Bibhas Chandra.
Chatterjee, Karunamoy.
Chatterjee, Deb Kumar.
De, Jagadish Prasanna.
Mukherjee, Malay.
Sen, Puspasis.
Sen, Tarun Krishna.

B.E. (ELECTRICAL).
Bhattacharyya, Sunil Kumar.
Chaki, Pradip Kumar.
Chakrabarty, Sisir Kumar.
Das, Debesh Chandra.
Kohli, Prithiraj.
Mukherjee, Pramathes.
Pal, Benod Behari.

B.E. (METALLURGICAL)
Biswas, Prodyot Kumar.
Roy, Samarendra.
Sen, Sisir.

B.E. (ARCHITCTURE III.
Datta, Bijoy Kumar.

M.E. (METALLURGICAL).
Pani, Sakhyasingha.
Sen, Pranab Kumar.

1956, May.
B.E. (CIVIL)
Bagchi, Arabinda.
Banerjee, Bholanath.
Banerjee, Parthasarathi.
Banerjee, Satyendra Prasad.
Basak, Prabodhbandu.
Basu, Amitava.
Basu, Radhakanta.
Bhattacharyya, Sisir Kumar.
Bhattacharyya, Somnath.
Chakrabarty, Sadhan Kumar.
Chanda, Dhiraj Mohan.
Chatterjee, Jimutendra Nath.
Chatterjee, Tapas Ranjan.
Chaudhuri, Anirudhya.
Chopdar, Umakanta.
Das, Kamalakanta.
Das, Sasanka Sekhar.
Das Gupta, Biman.
Datta, Asis.
Datta, Ghanakanta.
Datta, Sudhir Kumar.
De, Nanda Gopal.
De Sarkar, Subir Kumar.
Ghose, Arunangsu.
Ghose, Karunamoy.
Ghose, Shymal Chandra.
Ghose, Suchit Kumar.
Ghose, Tapan Kumar.
Guha, Pravashendra Narayan.
Gupta, Kajal Kumar.
Gupta, Sudhindra.
Halder, Narayan Chandra.
Maji, Paritosh.
Majumdar, Bijoyprosad.
Medhi, Prafulla Kumar.
Mitra, Arun Chandra.
Mitra, Asamanja.
Mitra, Pradip Kanti.
Mukherjee, Mrinal Kanti.
Mukherjee, Priyaranjan.
Pal, Sudhindra Nath.
Roy, Birendra Mohan.
Roy, Kalidas.
Roy, Kaushik.
Roy, Kishor Ranjan.
Roy, Prafulla Kumar.
Roy, Kulajagendra Nath.
Sahu, Braja Mohan.
Sarangapani, Raman.
Sengupta, Bhaskar.
Som, Narayan Chandra.
Tagore, Debaprasad.
Verma, Ranendar Kumar.
Venkataraman, T. S.

B.E. (MECHANICAL)
Bhardwaj, Tapabrata.
Biswas, Dilip Kumar.
Chakrabarty, Nihar Kumar.
Chatterjee, Krishna Chandra.
Das, Monoranjan.
Das, Nripendra Kumar.
Datta, Dulal.
Gupta, Dipak.

B.E. (ELECTRICAL)
Banerjee, Nanda Dulal.
Basu, Bimal Kumar.
Chhettri, Tek Bahadur.
Ganguli, Brajaram.

Mukherjee, Bamasatya.
Mukherjee, Hiralal.
Nandi, Joydeb.
Paul, Amiya Ranjan.
Roy, Rabindra Nath.
Sengupta, Dilip Kumar.
Sengupta, Manas Kumar.

B.E. (METALLURGICAL)

Banerjee, Kalachand.
Chakrabarty, Benoy Kumar.
Mukherjee, Kalinath.
Pani, Bijay Kumar.
Roy, Chandi Charan.

B.E. (ARCHITECTURE).

Banerjee, Sabitri Prosad
De Sarkar, Shyamal Kumar.
Ghosh, Sunil Kumar.
Roy, Asim Kumar.
Sengupta, Asit Narayan.

D.T.R.P.

Biswas, Dilip Kumar.
Dasgupta, Pinakiranjan.
Mukherjee, Sunil Chandra.
Sen, Surya Kumar.

ASSOCIATES IN (MECHANICAL)

1924.

Clapp, E.
Ganguli, Jitendra Mohan.
Goswami, Jitendra Mohan.

1925.

Chatterjee, Bimales.
Clarke, C. W.
Mukherjee, Sachindra Nath.

1926.

Bose, Anath Nath.
Ortiger, J..

1927.

Banerjee, Sailendra Nath.
Littlewood, W. C. R.
McGregor, G.
Palmer, H. C.

1928.

Abdul Quadir.
Bose, Rajendra Narayan.
Chatterjee, Umesh Chandra.
De Chowdhuri, Manmatha Nath.

1929.

Ghosh, Gour Hari.
Nandi, Manindra Kumar.
Roy, Benoyendra Narayan.
Roy, Suresh Chandra.
Sengupta, Nirod Mohan.

1930.

Augier, F. R.
Dam, Benoyendra Kumar.
Dey, Nirmal Chandra.
Dutta, Deb Kumar.
Kundu, Dhirendra Lal.
Mukherjee, Sailendra Chandra.

1931.

Barooah, Nobin Chandra.
De, Rakhal Chandra.
Smith, Michael Arthur.

1932.

Chatterjee, Gunendra Nath.
Chatterjee, Shibanitosh.
Das, Sunil Ranjan.
Deb, Amulyadhan.
Majumdar, Birendra Nath.
Mitra, Satkari.
Sen, Ranajit Kumar.

1933.

A. N. Kabiruddin Ahmed.
Bagchi, Brajendra Chandra.
Chaudhuri, Kumud Ranjan.
Mukherji, Ambica Charan.

1934.

Bennett, R. A. G.
Das, Purnendu.
Denzil Harold White.

1935.

Bose, Nirmalendu.
Chakrabarti, Radhakanta.

1936.

Kuppuswamy, G.

1937.

Mukherjee, Manindra Nath.
Raye, Smritish Chandra.

1938.

Basak, Nani Lal.
Bhattacharyya, Kamini Kanta.
Mukherjee, Benoy Bhusan.

1939.

Basu, Probat Kumar.
Datta, Anil Chand.
Md. Nadiruzzaman.

1940.

Sinha Chowdhury, Nikhilendu.

1942.

Troude, Leonard.

1945.

Pal, Santosh Kumar.

DIPLOMATES IN MECHANICAL & ELECTRICAL.

1923.

Clapp, E.
Das, Sajal Kanta.
De, Kali Kumar.
Ganguli, Jatindra Mohan.
Goswami, Jitendra Nath.
Mitra, Sudhir Kumar.
Mukherjee, Bhabes Chandra.
Mukherjee, Kali Prosad.
Pal, Indu Bhusan.
Roy Chowdhury, Durga Pada.
Roy Chowdhury, Prodyot Chandra.
Saha Chowdhury, Jitendra Mohan.
Yusuf Ali.

1924.

Aich, Satyendra Chandra.
Bhattacharjee, Kali Dhan.
Blond, R. I.
Chatterjee, Bimalesh.
Clarke, C. W.
Das, Shew Nath.
Judge, A.
Mukherjee, Sachindra Nath.
Sarkar, Dhrubendra Nath.
Turner, R. V.

1925.

Basak, Nikunja Behari.
Bose, Anath Nath.
Chatterjee, Barid Baran.
Ghosh, Birendra Nath.
Ghosh, Chandra Mohan.
Guha, Saradendu.
Gupta, Benoyendra Kumar.
Gupta, Gopi Charan.
Orr, H. C. H.
Ortiger, J.
Rayneau, Albert.
Roy, Sudhir Kumar.
Sinha, Ashutosh.
Thoronton, G. H.

1926.

Banerjee, Sailendra Nath.
Bhattacharjee, Mono Mohan.
Bose, Phanindra Mohan.
Das, Barindra Nath.
Dutta, Sushil Kumar.
Ganguli, Anangr Mohan.
Ganguli, Nirmal Chandra.
Ghosh, Pasupati.
Ghosh, Sunil Kumar.
Littlewood, Wilmot C. R.
McGregor, G.
Mondal, Anadi Mohan.
Muhammed Hanif Laskar
Muhammed Usman Khan.
Palmer, H. C.
Prosad, Uma.
Rakshit, Subodh Chandra.
Roy Chowdhuri, Murari Mohan.
Sarkar, Phanindra Chandra.

1927.

Abdul Quadir.
Banerjee, Hemanta Kumar.
Bose, Rajendra Narayan.
Das, Sachindra Nath.
Md. Abdul Hamid.
Roy Chowdhury, Kiran Kumar.

1928.

Abdul Mohsin Ahmed.
Chatterjee, Sambhu Nath.
Das, Keneram (W. S.).
Das Gupta, Kali Chaitanya (W. S.).
Ghosh, Gaurhari.
Nandi, Manindra Kumar.
Roy, Benoyendra Narayan.
Roy, Sachindra Kishore.

Roy, Suresh Chandra.
Rudra, Harish Chandra.
Sarkar, Sudhir Chandra.
Sen Gupta, Nirod Mohan.

1929.

Adolphus, Aubin J. M.
Angier, Felix Reginald.
Chaudhury, Sudhir Kumar.
Combes, Lesli G.
Dam, Benoyendra Kumar.
Das, Dhirendra Nath.
Das Gupta, Sudhir Chandra.
De, Nirmal Chandra.
De, Surendra Kumar.
Dhar, Sambhu Nath.
Dutta, Deb Kumar.
Kundu, Dhirendra Lal.
Mahiuddin Ahmed.
Mukherjee, Sailendra Chandra.
Richards, Cyril Archibald.
Sarkar, Sudhir Ranjan.
Tasadak Hussain Miah.

1930.

Barooah, Nabin Chandra.
Biswas, Amal Kumar.
Chatterjee, Sibanitosh.
Chowdhury, Nando Lal.
De, Rakhal Chandra.
Ganguli, Panchanan.
Ghosh, Suresh Chandra.
Majumdar, Birendra Nath.
Moitra, Ajit Kumar.
Nash, Walter C. W.
Sen Gupta, Bansidhar.
Sen Gupta, Nalini Kumar.
Smith, M. A.

1931.

Biswas, Karunamoy.
Chatterjee, Gunendra Nath.
Das, Benoy Krishna.
Das, Sunil Ranjan.
Deb, Amulya Dhan.
Ghosh, Mohini Mohan.
Ghosh, Bhibuti Bhusan.
Guha Roy, Kshitish Chandra.
Majumder, Ramendra Sunder.
Mitra, Satkori.
Mitra, Sunil Kumar.
Roy, Sachindra Nath.
Sen Ranjit Kumar.

1932.

A. N. Kabiruddin Ahmed.
Bagchi, Brajendra Chandra.
Bhattacharyya, Kamala P.
Chatterjee, Baidya Nath.
Chaudhuri, Kumud Ranjan.
Das, Mohananda.
Goswami, Rabindra Nath.
Guha Thakurta, Nirmal Ch.
Moitra, Sushil Chandra.
Mukherjee, Ambica Charan.
Seal, Robin Chandra.

1933.

Bennet, R. A. G.
Bose, Rabindra Kumar.
Chakraborti, Birendra Lal.
Das, Purnendu.
Dey, Nagendra Nath.
Nandi, Sailendra Ch.
White, Dezil Harold.

1934.

Basak Amulya Kumar.
Bhattacharjee, Sudhir Kumar.
Bose, Nirmalendu.
Carreras, Kenneth Parker.
Chakraborty, Radha Kanta.
Sil, Gadadhar.

1935.

Bhattacharjee, Paresh Chandra.
Bennet, John Charles.
Chatterjee, Hitendra Nath.
Dutt, Ramani Mohan.
Gupta, Haripada.
Mitra, Anil Kumar.
Smith, Albert V.
Swamy, I. G. Kupper.

1936.

Bhowmick, Sachindra Mohan.
Ganguli, Abani Kumar.
Md. Hasan Khan.
Mookerjee, Manindra Nath.
Ray, Smritish Chandra.

1937.

Basak, Nani Lal.
Bhar, Monoranjan.
Bhattacharjee Kamini Kanta.
Mukherjee, Benoy Bhusan.
Sen, Baidya Nath.

1938.

Basu, Provat Kumar.
Datta, Anil Chandra.
Md. Nadiruzzaman.

1939.

Karmakar, Surya Narayan.
Sinha Chowdhury, Nikhilendu.

1940

Das, Sankar

1941

Troude, Leonard.

1944

Pal, Santosh Kumar

DIPLOMATES IN THE PRINCIPLES OF MINING.

1909.

Bhattacharyya, Sumath Nath.
Bridgewater, G.
Jones, A. A. D.
Kelly, E.
Milcham, E. E.
Mukherjee, Upendra Nath.
Murphy, E. C.
Pandit, Prakash Chandra.
Powell, T. G.

1910.

Bhattacharyya, Jnanendra Nath.
Brown, H.
Chatterjee, Sudhir Mohan.
Dutt, Nepal Chandra.
Hyde G. A.
Payne, J. H.

1911.

Chatterjee, Charu Chandra.
Ganguly, Bejoy Kumar.
Mirza, Khurshed.
Penfold, D. K.

1912.

Bagchi, D. M. N.
Frizoni, O. L.
Gupta, T. C. S.
Hunter, R.
Sen, H. K.

1913.

Mukherjee, Krishna Kinkar.
Vendor Back, P.

1914.

Cowar, W.
Nag, Hemanta Kumar.

1915.

Aukin, B. E.
Basu, Sachindra Nath.
Mukherjee, Bhupendra Kumar.

1916.

Conolly, W.
Menzes, V. De.

1917.

Adhikari Jnanbhusan.
Chaudhuri, Anil Bhusan.
Linton, E.
Rogus, C.
Roy, Ashit Bhusan.

1918.

Brown, Low E. H.
Chatterjee, Hrishikesh.
Chatterjee, Nitya Gopal.
Das, Dhirendranath.
Franoz, D.
Roy, Probhat Chandra.
Starling, R.

1919.

Baker, A.
Bhatt, Girija Sankar Amba Sankar.
Deb, Sris Chandra.
Ferguson, J. A.
Ghosh, Niranjan.
Mukherjee, Bijon Behari.
Pandhya, Pranjiwan Hargobind.
Roy, Aswini Kumar.
Roy Chowdhury, Himansu Kumar.
Sarkar, Akhil Chandra.
Trivedi, Ambalal Keshab Lal.

1920.

Basu, Sudhindra Narayana.

Chaudhuri, Sunil Kumar.
De, Bhagabati Charan.
Ethiraj, A. V.
Ghosh, Nagendranath.
Mukherjee, Sambhu Nath.
Nivan, D. C.
Rawal, G. S.
Richards, J. H.
Samanta, Debi Kinkar.

1921.

Chatterjee, Kalipada.
Ganguly, Santiram.
Ghattak, Monomohan.
Ghosh, Sakti Kinkar.
Hallow, A. V.
Joseph, M. R. O.
Mukherjee, Chittaharan.
Mukherjee, Laksmi Kinkar.
Mukherjee, Naranath.
Pal, Debi Prosad.
Sen Gupta, Nalini Nath.
Trivedi, J. H. I.

1922

Baksi, Surya Kumar.
Bhattacharyya, Indu Bhusan.
Chatterjee, Raghunath.
Chatterjee, Sanat Kumar.
Das, Dhirendra Nath.
Dikenson, R. W.
Goodwin, W.
Jordon, N. F.
Mitra, Rebati Ballav.
Mukherjee, Nanigopal.
Sanyal, Jnanendranath.

1923.

Banerjee, Sudhir Kumar.
Bhattacharyya, Prafulla Chandra.
Chakravarty, Manindranath.
Dass, Brojendranath.
Dutta, Dakhinaranjan.
Ganguly, Ankurnath.
Kalrah, Dinanath.
King, L. H. E.
Mukherjee, Narendranath.
Mukherjee, Jyotish Chandra.
Mullick, Surendranath.
Pal, Anil Chandra.
Sanderson, H. E.
Sanyal, Manindranath.

1924.

Dutta, Monmathanath.
Dutta, Subodh Kumar.
Dutta, Satchidananda.
Ghosh, Anil Bhusan.
Ghosh, R. N.
Hazra, Hrishikesh.
Samanta, Bhabani Sankar.

1925.

Bagchi, Nandalal.
De, Manindranath.
De, Sibugopal.
Ghosh, Sunil Krishna.
Khan, Abul Hussain.
Lochun, D. W.
Mukherjee, Haridas.
Sengupta, Surendranath.
Sinha, Jasoda Gopal.

1926.

Banerjee, Kamal Kumar.
Banerjee, Chandrakanta.
Bhattacharyya, Dhirendranath.
Chowdhury, Md. Obaidul Huq.
Chakravarti, Sasanka Mohan.
Fell, M. G.
Ghosh, Hiran Kumar.
Gawande, Narayan Jagobi.
Iyer, P. Joyrama.
Laha, Dhirendranath.
Lahiri, Prafulla Kumar.
Page, William John.
Roy Chowdhury, Monoranjan.
Sarkar, Nripendranath.

1927.

Ahmed, Abul Mohsin.
Banerjee, Dhirendranath.
Bhattacharyya, Dakshaja Sarkar.
Chakraborty, Kalish Chandra.
Chatterjee, Sudhir Kumar.
Dutta, Khetra Mohan.
Gasper, Vernon E. L.
Gupta, Kumud Bandhu.
Martin, E. C.
Mukherjee, Jyoti Bhusan.
Mukherjee, Sushil Chandra.
Roy Chowdhury, Promode Chandra.
Sen Gupta, Bhabesh Chandra.

1928.

Ahmed, Mohiuddin.
Banerjee, Dhirendranath.
Nath, Sakhi Charan.

1929.

Chutta, J. M.
Dutta, Purkayastha Prajendra Chandra.
Tshring, J. M.

Overseers

1865

Chatterjee, Chandra Coomer.
Daw, Gopal Chandra.
Fox, H. E. B.
Ghosal, Khetter Nath.
Kelly, J.
Mitra, Ashutosh.
Roy, Netrogopal.
Roy, Boycunto Nath.

1866.

Ahmed, Golam.
Banerjee, Hem Chandra.
Banerjee, Laul Gopal.
Chatterjee, Rakhal Das.
Das, Kally Das.
Ghosh, Kartic Chandra.
Gupta, Kristo Chandra.
Mukherjee, Kailash Chandra.
Mookerjee, Rojoney Cant.
Mozoomdar, Kally Prosono.
Mullick, Mahendranath.

1867.

Chatterjee, Sashi Bhusan.
Dukes, W. I.
Ghosh, Brindabon Chander.
Mookerji, Gopal Chandra.
Pramanik, Kashi Kantha.

1868.

Bose, Jadunath.
Bose, Saroda Charan.
Chatterjee, Sashi Bhusan.
Ghosh, Nani Behari.
Mitra, Hiralal.
Mozoomdar, Nagendra Chandra.
Sandal, Shurrat Chandra.
Singh, Rudra Prosonno.

1869.

Banerjee, Kristo Nath.
Bhattacharyya, Ram Nath.
Browne, Edward.
Chatterjee, Siddesher.
Ganguly, Bhagabutty.
Gupta, Upendra Lal.
Mullick, Sookmoy.
Naug, Narayan Chandra.
Roy, Tulsi Das.

1870.

Bose, Srinibas.
Laral, George A.
Mazumdar, Mutty Lal.
Mitra, Otool Krishna.
Mookerji, Tara Prasonno.
Roy, Sree Charan.
Sen, Golak Nath.

1871.

Chowdhury, Kaylash Chandra.
Ghosh, Bhuto Tara.
Sarkar, Mohendra Nath.

1872.

Mookerji, Avinash Chandra.

1873.

Banerji, Bama Charan.
Banerji, Umesh Chandra.
Bose, Aghore Lal.
Chatterji, Benoy Madhab.
Chatterji, Jogendra Lal.
Mitra, Sasi Bhusan.
Mozoomdar, Bipin Behary.

1874.

Chatterji, Monmotho Nath.
Chowdhury, Moti Lal.
Mitra, Hera Lal.
Mitra, Kaylas Chandra.
Mookerji, Raj Krishna.
Sen, Mutty Lal.

1875.

Biswas, Kartickya.
Das, Behari Lal.
Das, Krisna Sakha.
Das, Mohendra Lal.
Das, Jat Narain.
Das, Dutt Gossain

Ganguly, Ganga Charan.
Ghosh, Aughore Chandra.

1876.

Banerji, Jadu Nath.
Banerji, Moti Lal.
Basack, Jotindra Krishna.
Bhattacherji, Kalidhan.
Bose, Kunja Behari.
Bose, Prosonno Coomar.
Ghosh, Chhatradhan.
Malcolm, A.
Merton, Charles William.
Mitra, Priyanath.
Mookerjee, Hem Chandra.
Roy, Ghanendra Prashad.
Rahman, Sheik Azizm.
Sen, Godadhar.
Sen Gupta, Harinath.

1877.

Bhattacharji, Ram Das.
Bhor, Ram Lal.
Carfland, N.
Chatterji, Haridas.
Chakrabarty, Madhab Chander.
Das, Hem Chandra.
De, Nivanan Chandra.
Dhor, Troylukho.
Dutt, Sasi Bhusan.
Farren, Danel.
Gantzer, A. W.
Ghosh, Monomohan.
Ghosh, Jogendranath.
Nandy, Frank.
Mookerji, Devendra Nath.
Mookerji, Khetra Mohan.
Mookerji, Preonath.
Mazumdar, Kedar Nath.
Mullick, Amal Chandra.
Nandi, Hem Chandra.
Radford, William.
Roy, Lal Behari.
Rahman, Golam.
Sahu, Chuni Lal.
Sett, Brojo Lal.
Williamson, H.

1878.

Banerji Upendra Nath.
Basack, Haridas.
Chakrabutty, Upendranath.
De, Girish Chandra.
Ganguli, Apurva Chandra.
Ghosal, Gyanoda Prosad.
Mitra, Priya Nath.
Mookerji, Narsing Chandra.
Sen, Behari Nath.

1879.

Banerji, Atul Chandra.
Banerji, Narendra Nath.
Bose, Hari Charan.
Bose, Sree Gopal.
Byers, T. B.
Chatterji, Jogendra Nath.
Ganguli, Jogendra Nath.
Ghosh, Ashutosh.
Ghosh, Nobin Chandra.
Mookerji, Golak Chander.
Mullick, Bama Charan.

1880.

Aminuddin.
Basak, Lalit Mohan.
Bhattacharjee, Kapileswar.
Chakravarti, Bishnuram.
Ghosh, Nemai Charan.
Mukerjee, Russick Lal.
Rai, Sita Prosonno.
Roy, Abinas Chandra.
Sen, Pran Krishna.

1881.

Banerji, Satya Charan.
Mozoomdar, Kali Krishna.
Rudra, Kali Gopal.
Sen, Apurva Krishna.

1882.

Ganguli, Shama Charan.
Lefouvre, C. E.
Pal, Annada Prosad.

1883.

Marik, Akhil Chandra.
Mitra, Lal Chand.
Mukherjee, Banku Behari.

1885.

Mukherji, Kuloda.

1886.

Mitra, Jadu Nath.
Roy, Preonath.
Sen, Surendra Nath.

1888.

Chatterji, Nabaram Chandra.
Dutt, Troylakya Nath.
Roy, Gopal Chandra.

1889.

Dass, Surya Kumar.

1890.

Banerji, Chanchal Chandra.
Pal, Jogendra Lal.
Sarkar, Makhan Lal.

1891.

Ghosal, Natabar.
Morrison, J.
Sen, Kali Prosonno.

1892.

Boral, Gobindo Chandra.
Roy, Gopeswar.
Paul, Mohindra Vhandra.

1896.

Chowdhuri, Jogendra Nath.
Das, Sachipal.
Mukerjee, Hari Mohan.

1897.

Datta, Nepal Chandra.
Mookerjee, Girija Nath.

1898.

Banerji, Satish Chandra.
Chatterji, Sailendra Nath.
Guha, Atul Chandra.
Gupta, Hredoy Krishna.
Sen, Anukul Chandra.

1899.

Bhattacharjee, Haridas.
Bhattacharjee, Nabagopal.
Mandal, Surendranath.

1900.

Banerji, Bhaja Hari.

1901

Das, Gopi Mohan.

1902.

Baul, Debendra Nath.

1903.

Deb, Dijendra Nath.
Ghose, Jogesh Chandra.
Mukherjee, Amar Nath.
Mukerjee, Hansha Nath.

1905.

Street, Parshy H.

UPPER SUBORDINATES

(General Branch)

1910.

Acharya, Dinesh Chandra.
Chatterji, Anadi Krishna.
Chowdhury, Mohendra Nath.
Das, Abinash Chandra.
Das Gupta, Chuni Lall.
Das Gupta, Suresh Chandra.
Dutta, Upendra Nath.
Ghosh, Bidhu Bhusan.
Ghosh, Panchanan.
Gupta, Ashutosh.
Mazoomder, Prafulla Chandra.
Moitra, Jatindra Lall.
Mukherji, Amrita Lall.
Pal, Prokash Chandra.
Pramanik, Jitendra Nath.
Roy, Jotindra Lall.
Sarkar, Dwijendra Nath.

(ELECTRICAL QUALIFICATIONS)

Banerji, Nirmal Chandra.
Banerjee, Phatick Chandra.
Bennet, H.
Bhattacharjee, Narendra Nath.
Biswas, Nalini Mohan.
Chakravarti, Dharani Dhar.
Das, Surendra Nath.
Durrells, W. H.
Dutta, Jamini Mohan.
Ghosal, Dhono Gopal.
Ghose, Joges Chandra.
Goswami, Kiran Chandra.
Johnson, R.
Manchart, H. V. J. K.
Mitra, Ajoy Kumar.

1911.

(GENERAL BRANCH)

Bose, Satya Jiban.
Chandra, Ganesh Chandra.
Duncan, P. R.
Ganguli, Joges Chandra.
Ghose, Ashutosh.
Gupta, Hirendra Nath.
Hall, A. D.
Mazumdar, Dhirendra Mohan.
Mazumdar, Khitish Chandra.
Mukherji, Pran Nath.
Pal, Chaturanan.
Saraswati, Lalit Mohan.
Sarkar, Chandra Sekhar.
Bhattacharji, Bhut Nath.
Chatterji, Amal Pada.
Chatterji, Haribilash.
Chatterji, Saroj Kumar.
Mitra, Nirode Chandra.
Mondal, Radha Gobindo.
Mukerji, Kali Pada.
Mukerji, Pannalal.

(MECH. & ELEC. BRANCH)

Chatterji, Manat Kumar.
Dutt, Kali Prosonno.
Goswami, Bhola Nath.
Pope, H.
Sen, Akshoy Kumar.

1916.

(CIVIL BRANCH)

Bhattacharya, Aditya Chandra.
Bhattacharya, Birendra Nath.
Chowdhury, Phani Lal.
Dhar, Radhika Ranjan.
Dutt, Satyendra Nath.
Mukherji, Mani Kumar.
Mukhopadyay, Haridas.
Mukherjee, Hrishikesh.
Mukherjee, Kalidas.
Samantha, Chandra Sekhar.
Sengupta, Romesh Chandra.
Sinha, Sasanka Sekhar.
Sirkar, Gokulananda.

(MECH. & ELEC. ENG. BRANCH)

Chatterji, Amrita Gopal.
Mitra, Apurva Krishna.
Mukherji, Nirmal Chandra.
Mukherji, Pannalal.
Mukhopadyay, Monitosh.
Roy, Kedar Prosonno.
Wallace, J. E.

1917.

(CIVIL BRANCH)

Bhattacharji, Jotindranath.
Chakravarti, Hemendranath.
Chatterji, Jotindramohan.
Ghosh, Lalitmohan.
Mallik, Gorachand.
Mukherji, Hariprosad.
Rai, U. S. M.
Sarkar, Susthir Chandra.
Sarkar, Surendranath.
Wontersz, E. P. T.

(MECH. & ELEC. ENG. BRANCH)

Basak, Jugal Durlav.
Chatterji, Basadev.
Konar, Nishikanto.
Sen, Hrishikesh.

1918.

(CIVIL BRANCH).

Bose, Jyotis Chandra.
Chandra, Chuni Lal.
Chaudhuri, Phani Bhusan.
Das Gupta, Prafulla Kumar.
Ghosh, Subodh Kumar.
Mazumdar, Abani Mohan.
Mazumdar, Bibhuti Bhusan.
Mazumdar, Krishna Gopal.
Sanyal, Saroj Bandhu.

(MECH. & ELEC. ENG. BRANCH)

Callagnan, C. D.
Chatteri, Bimal Chandra.
Chatterjee, Nobbo Mohan.
French, M.
Ganguli, Nripendra Narayan.
Hazra, Birendranath.
Mukherji, Jotindra Nath.

1919.

(CIVIL BRANCH).

Basu Sudhir Chandra.
Ghosh, Binoy Krishna.
Guha, Jyotish Chandra.
Guha Roy, Narendra Lal.
Kundu, Gopal Chandra.
Lahiri, Tarak Das.
Mitra, Monomotho Nath.
Mitra, Sambhu Chandra.
Roy, Nirmachandra.
Sarkar, Narendra Kumar.

(MECH. & ELEC. ENG. BRANCH)

Banerjee, Hara Prosad.
Bose, Sunil Kumar.
Bradshaw, F. P.
D'Souza, C. H.
D'Souza, N. P. O.
Elder, A. C.
Hore, Niranjan.
Mukherjee, Ramesh Chandra.
Nesfor, G. F.
Sheik Abdur Razzaq.
Singh, Chhabi Lal.
Skinner, O. H. E.

1920.

(GENERAL BRANCH)

Basu, Dhirendra Nath.
Bhattacharji, Baladev.
Bose, Jitendra Nath.
Bose, Naresh Chandra.
Biswas, Jatindra Lal.
Ghosh, Joy Gopal.
Mukherji, Surja Kumar.
Thakur, Bama Pada.

(MECH. & ELEC. BRANCH)

Arnold, F. W. L.
Blazy, N. C.
Boldy, T. D.
Bose, Jitendranath.
Callajhar, V. C.
Cowell, H. N.
Datta, Sanat Kumar.
Ghosh, Lalit Mohan.
Gwynne C. E.
Kundu, Manik Chandra.

SUB-OVERSEERS.

1866.

Banerji, Nilmoni.
Bhattacharjee, Mohendra Nath.
Bose, Saroda Charan.
Dutta, Kali Kristo.

1868.

Gangooly, Boggobutty Charan.

1869.

Chatterji, Saroda Prosad.

1870.

Banerji, Shib Chandra.
Gangooly, Tarrack.
Mitra, Siddheswar.
Mukherjee, Kashishwar.
Mukherjee, Chandra Kanti.
Palit, Khetra Mohan.
Roy, Bama Charan.
Roy Chowdhury, Audhor Chandra.

1871.

Banerji, Bani Charan.
Ghose, Raj Krisen.
Mookerji, Kali Prosonna.
Palit, Mohendra Ch.
Roy, Kali Kristo.
Singh, Eshan Chandra.

1872.

Chowdhury, Akhoy Kr.
Roy, Akhoy Kr.
Mitra, Khetra Mohan.

1873.

Chowdhury, Kedar Nath.
Dutta, Sosi Bhusan.

1874.

Banerjee, Surja Kantha.
Banerji, Giris Ch.
Biswas, Rajendra Nath.
Brahmo, Annoda Charan.
De Chowdhury, Hari Lal.
Dutt, Nil Kanta.
Ghose, Sita Nath.
Mondal, Brindaban Ch.
Mookerjee, Jogendra Nath.
Roy, Ram Doyal.
Roy Chowdhury, Debendra Nath.
Sarkar, Hem Chandra.
Satrah, Chandy Ch.
Sen Umesh Ch.
Trevady, Bedhu Bhusan.

1875.

Banerji Gooroo Prosonno.

Banerji, Brojo Pati.
Banerji Moti Lal.
Bose, Prosonno Kr.
Bose, Aswini Kr.
Bose, Kunjo.
Bysack Madan Mohan.
Chatterjee, Joy Krishna.
Chowdhury Ishan Ch.
Das, Isyar Ch.
Daw, Purno Ch.
Ghosh Romen Kristo.
Ghosh, Shamudra Kr.
Ghosh, Jogendra Nath.
Mookerji Ahin Ch.
Mullick, Abinas.
Samonto, Saroda Prosad.
Sen, Akhil Ch.

1876.

Chatterji, Narain Ch.
Laha, Dharmodas.
Pal, Ram Narain.
Pal, Ram Doyal.
Ray, Avinas Ch.
Ray, Lal Behary.
Saha, Chuni Lal.

1877.

Bhattacharji, Gopal Chandra.
Bose, Avinas Ch.
Bose, Jogendra Kumar.
Guj Deno Nath.
Hazra Chandi Charan.
Mookerji, Hera Lal.
Roy Govindo Chandra.
Roy, Syama Prosad.
Sen, Umesh Ch.

1878.

Aieruddin.
Basak, Chandra Kanta.
John, James Fitz. William.
Kanjilal, Upendra Nath.
Kundu, Guru Doyal.
Mitra, Chuni Lal.
Mookerji, Kali Charan.
Nag, Kedar Nath.
W. Bowers.

1879.

Bose, Bipin Behary.
Chatterjee, Asutosh.
Gupta, Kaisiki Ch.
Mookerjee, Atul Ch.
Mookerjee, Rama Charan.
Mullick, Bani Madhub.
Roy, Avinas Ch.
Sen, Romesh Ch.

1880

Chatterjee, Haripodo.
Dutta, Sudhamany.
Mukherjee, Monmotho Nath.

1881.

Bhattacharjee, Sivdas.
Mitra, Lal Chand.
Roy, Sarat Ch.
Roy, Tarini Ch.

1882.

Rudra, Mohim Ch.

1883

Banerjee, Banwari Lal.

CERTIFICATES GRANTED UNDER DIRECTOR OF PUBLIC INSTRUCTIONS NO. 4221, DATED 15TH MAY, 1884.

1884.

Ganguli, Raj Kumar.

1885.

Bhattacharjee, Sitanath.
Chatterjee, Jadum Ch.
Gupta, Bepin Behari.

1886.

Bhattacharjee, Nritya Gopal.
Bose, Nikunja Behari.
Mukherjee, Bejoy Krishna.

1887.

Banerjee, Chanchal Ch.
Mandal, Raj.
Santra, Heera Lal.
Sen, Kali Prosonno.

1888.

Bhattacharjee, Kamini Kanta.
Chandra, Upendra Nath.
Ghose, Annoda Charan.
Gossamy, Mohendra Nath.
Lahiri, Gopal Chandra.
Mazoomdar, Siddheswar.
Sen Gupta, Upendra Nath.
Thakoor, Baroda Kanta.

1889.

Ghose, Protap Ch.
Mutsuddi, Dakshinaranjan.

1890.

Bose, Chandra Kanto.

1891.

Bhattacharjee, Soshi Bhusan.
Banerji, Surendra Nath.
C. Rayward.
Chatterjee, Brojendra Nath.
Chatterjee, Surendra Nath.
Chatterjee, Nogendra Nath.
Chatterjee, Dakshineswar.
Chatterjee, Ashutosh.
Chowdhury, Tarak Nath.
De, Sarada Prosad.
Dutt, Purna Chandra.
Ganguli, Panchanan.
Ghosh, Pulin Behari.
Ghosh, Jogendra Nath.
Gupta, Jaggut Bundhoo.
Mukherjee, Brindaban Ch.
Roy, Lalbehary.
Roy, Surjya Kumar.
Saha, Pulin Behari.

1892.

Banerjee, Punna Lal.
Bhattacharjee, Ashutosh.
Bhattacharjee, Debendra Nath No. 1.
Bhattacharjee, Debendra Nath No. 2.
Bose, Durga Pado.
Bose, Jotindra Krishna.
Das, Neebaran Chandra.
Das, Sarat Chandra.
De, Akshoy Kumar.
Gangooly, Keshab Lal.
Ghose, Beharilal.
Ghose, Grinindra Chandra.
Gupta, Nekunjo Behari.
Mookerji, Jogendra Nath.
Mookerjee, Peari Mohon.
Mookerji, Rungo Lal.
Nag, Sasi Bhusan.
Roy, Gokul Chandra.
Saha, Nobo Kumar.
Sen, Bidhu Bhusan.

1893.

Banerjee, Bepin Behary.
Barooah, Sarat Chandra.
Bose, Ananto Lal.
Bose, Bepin Behary.
Chatterjee, Sasty Das.
Chatterji, Debendra Nath.
Chatterji, Satyendra Nath.
Das, Ananda.
Das, Mohim Ch.
Das, Radhika Mohon.
De, Umesh Chandra.
Ghosal, Vishnu Podo.
Kar, Kamini Kumar.
Kunda, Bhudeb.
Mondol, Sosodhor.
Mitra, Syama Charan.
Maiti, Banku Behary.
Nandi, Benode Behari.

1894.

Banerji, Nirmal Chandra.
Biswas, Kunjo Mohan.
Chakrabartty, Satish Chandra.
Chatterji, Surendra Nath.
Chowdhury, Surendra Nath.
Dukes, G.
Lahiri, Anukul Chandra.
Mookerji, Goury Sanker.
Mookerji, Sushil Kumar.
Ray, Basanto Kumar.
Sarkar, Sarat Chandra.
Sanyal, Benode Behary.

1895.

Bhattacharjee, Jogesh Ch.
Bose, Hari Satya.
Chatterjee, Hari Pado.
Das, Purnsattam.
Dutta, Jotindra Nath.
Goodwin, F.
Ghose, Surendra Nath.
Hoar, Sita Nath.
Jash, Panchanan.
Mannah, Kedar Nath.
Mukherjee, Gopal Das.

Roy, Rojani Bhusan.
Samanta, Durga Das.

1896.

Bhattacharjee, Upendra Nath.
Bhattacharjya, Kishori Mohan.
Bose, Nibaran.
Chatterjee, Basanto Kumar.
Chatterjee, Gokul Chandra.
Chatterjee, Sailendra Nath.
Chatterjee, Hari Das.
Dutt, Akshoy Kumar.
De, Apurbo Krishna.
Deb, Atul Chandra.
Ghose, Fatik Chandra.
Rodgers, J. R.
Mitra, Probodh.
Mookerjee, Narayan Das.
Mookerjee, Akhoy Kumar.
Sanyal, Probodh Chandra.
Roy Chowdhury, Jotindra Nath.

1897.

A. Bell.
A. Lewtey.
Ash, Durga Das.
Banerjee, Sailendra Nath No. 1.
Banerjee, Sailendra Nath No. 2.
Chatterjee, Dharamdas.
Chowdhury, Rajaninath.
De, Nonilal.
Dutt, Ashutosh.
Estah Modin Ahmed.
Ghose, Jatish Chandra.
Ghose, Lalit Mohan.
Gupta, Nrisingha Prosad.
H. N. Adams.
J. B. Lefevre.
Kar, Mothura Nath.
Mukherjee, Atul Chandra.
Mukherjee, Kalipada.
W. Lewtey.

1898.

Bhattacharjee, Hari Pado.
Bhanjo, Promotha Nath.
Biswas, Panchanan.
Bose, Bhupendra Nath.
Chatterjee, Nibaran Chandra.
Dutt, Haran Chandra.
Gupta, Kshitish Chandra.
Gupta, Nogendra Nath.
Mazumdar, Hari Nath.
Mazumdar, Nil Kanta.
Mitra, Shuk Lal.
Nag, Ambica Chandra.
Nandi, Kali Kumar.
Roy, Narendra Bhusan.
Sarkar, Radha Ballav.

1899.

Banerjee, Benode Behary.
Banerjee, Durga Das.
Banerjee, Romesh Chandra.
Banerjee, Satish Chandra.
Bose, Phani Bhusan.
Chatterjee, Anukul Chandra.
Dutt, Lalit Chandra.
Das, Nitai Chand.
G. H. Hayden.
Ghose, Pulin.
Mukherjee, Saran Hari.
Pal, Surendra Nath.
Sarkar, Mohindra Nath.

1900.

C. F. De Abrew.
Chakrabartty, Bemola Chandra.
Chatterji, Tara Pado.
Gupta, Asutosh.
J. W. Storjes.
Max Demingo.
W. K. Wright.

1901.

Acharja, Mohendra Nath.
Chakravarty, Phani Bhusan.
Das, Bhupendra Narain.
Dutta, Sree Gopal.
Ghose, Narendra Narain.
Haldar, Anath Nath.
Mukherjee, Nolinish.
Mukherji, Gokul Bhusan.
Mustafi, Chuni Lal.
Roy, Kali Das.
Roy, Rajnath.
Sarkar, Narendra Krishna.
Sett, Kali Pado.
Shome, Surendra Nath.

1902.

Banerjee, Kshitish.
Banerjee, Upendra Nath.
Dutt, Tarini Charan.
Ernest, C. R. Deepholts.
Ghose, Hem Chandra.
Ghose, Manmatha Nath.
H. M. Hardinge.
Md. Khan.
Mitra, Bibhuti Bhusan.
Mitra, Rajani Kanto.
Mukherjee, Pulin Behari.
Mukherjee, Satcori.

1903.

Arthur B. Cox.
Banerji, Kali Prosanna.
Banerjee, Dasarathi.
Banerjee, Narayan.
Bhattacharji, Satish Ch.
Chatterji, Hem Chandra.
Chandra, Bepin Behari.
Dutt, Bhabatosh.
F. Otto.
Ghose, Bhuban Mohan.
Sarkar, Nirod Chandra.

1904.

Banerjee, Jatindra Chandra.
Bose, Saroda Prosad.
Das, Shib Chandra.
Datt, Srish Chandra.
Ghosh, Muktaram.
Mothers, J. A.
Mitra, Mati Lal.
Sarkar, Ashutosh
Samanta, Charan Chandra.

1905.

Banerji, Sushil Kumar.
Bose, Satish Chandra.
Bose, Ram Jagadish.
Chatterjee, Surendra Nath.
Das, Surendra Nath No. 1.
Ghose, Jatindra Mohan.
Ghose, Ram Jagadish.
Ghosh, Shudhamoy.
Gupta, Ajit Kumar.
Henry, Manmashi.
Mukherji, Bama Charan.
Roy, Phani Bhusan.
Roy, Sudhansu Bhusan.
Roy, Upendra Nath.
Sen Gupta, Jatindra Nath.
Sen Gupta, Surendra Nath.

1906

Aich, Rash Mohan.
Barui Sharma, Kanai Ch.
Banerji, Shambu Nath.
Bhattacharji, Jotish Chandra.
Chakravarti, Atul Bhusan.
Dutt, Charu Chandra.
Das, Aswini Kumar.
Das, Rasik Chandra.
De, Lal Mohan.
Dey, Krishna Das.
Ganguli, Lalit Mohan.
Mukherjee, Durga Chandra.
Pal, Bejoy Kumar.
Pal, Rajoni Kanto.
Roy, Anath Bandhu.
Roy, Kumad Nath.
Roy, Bejoy Gopal.
Roy, Jatindra Mohan.
Roy, Chowdhury Bama Charan.
Roy, Chowdhury Surendra Nath.
Sabiruddin Khan.
Saha, Makhan Lall.
Saha, Nolin Chandra.
Sen Gupta, Sudhir Kumar.
Showers, F.

1907

Banerjee, Robindra Nath.
Chakravarti, Robindra.
Das, Kamini Kumar.
Sen Gupta, Dhirendra Nath.
Sen Gupta, Kedar Nath.
Street, S. J.

1908.

Bose Banku Behari.
Chatterjee, Monmohan.
Ghose, Nabadip Chandra.
Gomes, W. A.
Karmakar Khirode Prosad.
Putatunda Chandra Bhusan.
Sen Gupta, Jitendra Nath.
Sen, Jitendra Nath.
Sil, Upendra.

1909.

Banerji, Amulya Charan.
Banerji, Kiron Chandra.
Chakravarti, Upendra Mohan.
De Cruz, A. M.

Dhar, Debendra Kishor.
Haupt, O.
Khan, Nalini Charan.
Mc Gaire, A. T.
Mazumdar, Akhil Bandhu.
Mitra, Purna Chandra.
Mustafi, Sisir Kumar.
Mukherjee, Satish Chandra.
Roy Chowdhuri, Girindra Nath.
Seymour, E.
Sinha, Dwija Pada.

MOTOR DRIVER MECHANICS UNDER GOVT. ORDER NO. 2769 DATED NOVEMBER 1906.

1908.

Coutts, Peter.
Dadel, Mohabri.
Dighoria, Debendra Nath.
Francis, Engene.
Hall, Walter.
Khan, Johur.
Lawrence.
Mukherjee, Monmohan.
Pankraj, Emmanual.
Prem Prokash.
Roy, Satish Chandra.
Shaik, Seraguddin.
Shome, Tara Prosanna.
Singh, Haku.
Thomson, John William.
Tirki, Emmanual.

1909.

Andrews, Frank.
Bag, Haris Chandra.
Dadel, Cyril.
Dadel, Sharan.
Gerald, Christiesle.
Kachchap, Prabhu Sahai.
Manna, Kristo Das.
Mewa, Benode Prosad.
Tirki, Suliman.

DIPLOMATES IN AGRICULTURE

1900.

Banerjee, Rabaneswar.
Banerjee, Raj Narain.
Bhaduri, Dwija Das.
Bhattacharji, Promotho Nath.
Chatterjee, Satkori.
Das Gupta, Hiranya Kumar.
Roy, Ananta Mohan.

1901.

Bose, Barendra Kr.
Chaudhuri, Nibaran Chandra.
De, Surendra Nath.
Dutt, Ambica Chandra.
Ghosh, Profulla Chandra.
Goswami, Radha Krishna.
Mitra, Upendra Kumar.
Sakhi, Chand.
Sen, Srish Chandra.
Sen Gupta, Bejoy Kumar.

1902.

Bagchi, Atul Chandra.
Biswas, Jamini Kumar.
Ganguli, Birendra Lal.
Ganguli, Karali Chandra.
Sarkar, Bhabadeb.
Sen Gupta, Promode Chandra.

1903

Basak, Radhica Mohan.
Bose, Suresh Chandra.
Chakrabarty, Atul Chandra.
Das, Ram Chandra.

1905.

Bhattacharjee, Tarakeswar.
Das Gupta, Srimanta Kumar.
Dutt, Dwijadas.
Pujari, Tribikrom.
Mitra, Dhirendra Nath.
Mitra, Hari Prosad.
Mukherjee, Debendra Nath.

1906.

Chatterji, Beni Madhab.
Das, Dhirendra Nath.
Dutt, Mohini Mohan.
Dutt, Sukumar.
Gupta, Monohar.
Gupta, Sarbari Kanta.
Majumdar, Bhabotosh.
Majumdar, Jyotindra Nath.
Mustafi, Profulla Chandra.
Roy, Tara Nath.

1907.

Dutt, Hemendra Kishore.
Ganguli, Shyama Kanta.
Guha, Sachindra Chandra.
Mitra, Phani Bhusan.
Mittra, Joges Chandra.
Roy, Hironmoy.
Sen, Rajendra Kumar.

1908.

Basu, Kalipada.
Basu, Sisir Kumar.
Bhattacharjee, Ram Prosanna.
Ghosh, Nagendra Nath.
Guha, Hem Chandra.
Samanta, Adhir Charan.
Sarkar, Ajay Chandra.

1909.

Mukherjee, Girindra Nath.
Sen, Gopal Chandra.

FULL CERTIFICATE, LOWER AGRICULTURAL CLASS.

1900.

Dutt, Bhabatosh.
Roy, Kali Das.

1901.

Bagchi, Jogesh Chandra.
Das, Bhupendro Narain.
Ghosh, Narendra Krishna.
Mustafi, Chuni Lal.
Roy, Raj Nath.
Sanyal, Sirish Chandra.

SUB-ENGNEERS & FOREMAN MECHANICS.

1896.

Chakravorty, Bhubonesh.
Roy, Apurba.
Viney, W. S.

1897.

Banerji, Khettra Mohan.
Chatterji, Preo Mohan.

1898.

Mukherjee, Satish Chandra.

1899.

Banerji, Jyoti Kumar.
Deb, Narendra Kumar.
Mazumdar, Atul Chandra.
Singh, Atul Krishna.

1900.

Khan, Harish Chandra.
Mitra, Jitendra Nath.
Mitra, Promotho Nath.
Sarkar, Rajoni Kanto.
Tarafdar, Panchanan.

1901.

Acharji, Sarat Chandra.
Bose, Sanat Kumar.
Osman, Guni.

1902.

Roy, Hara Prosad.

1903.

Roy, Promotho Bhusan.
Shaha, Pulin Chandra.
Shee, Bholanath.

1904.

Banerji, Bejoy Kumar.
Chandra, Harendra Kumar.

1905.

Nil.

1906.

Bhattacharji, Dwijendra Nath.

1907.

Dutt, Harendra Nath.

1908.

Ghose, Provash Chandra.

1909.

Nandi, Siddeswar.

FOREMAN MECHANICS & UPPER SUB-ORDINATES.

1883.

Alone, F.
Desilva, A. E.
Gilbert, H.
Halloram, W. M.
Mookerjee, Ashwini Kumar.
Moorhouse, J. R.
Traise, A. E.
Walker, E. B.

1884.
Nil.

1885.
Bhying, H.
Ghosh, Soshi Bhusan.
Pereira, C.
Rolston, T.

1886.
Bal, Rajoni Nath.
Biswas, Bani Kanta.
Bose, Jogesh Chandra.
Branscombe, G.
Roy, Sarat Chandra.
Shaik, Suder Ali.

1887.
Banerji, Raghupati.
Browne, O. A.
Cuerdon, A.
Damzen, J. C.
Funiram, Bollanath.
Ghosh, Basanta Kumar.
Gomes, W.
Mitra, Tranoda Charan.
Nath, Upendra.
Roy, J. H.
Sanyal, Harilal.

1888.
Banerjee, Bhubon Chandra.
Bhattacharjee, Ashutosh.
Biswas, Jodu Nath.
Bonnar, A.
Chakravarty, Nogendra Nath.
Chatterjee, Keshab Lal.
Hodge, C.
Linton, A. E.
Martin, E.
Mitra, Surendra Nath.
Morris, G.
Pal, Harish Chandra.
Pal, Horolal.
Rogers, R.
Singh, Batta Krishna.

1889.
Bhattacharjee, Rohini Kumar.
Bose, Sarat Chandra.
Bose, Kartick Chandra.
Gregory, G. H.
Hottinger, C.
Hui, Degumloer.
Michael, H.
Westerling, P.

1890.
Adhicary, Modhusudan.
Bose, Nripendra Nath.
Chatterjee, Surjee Kumar.
Chaudhuri, Srimanta Chandra.
D'Cruze, D. W.
Dass, Brojendra Kumar.
Deb, Rojoni Kanto.
Dutt, Romesh Chandra.
Ganguli, Jogendra Nath.
Homer, C. J.
Hottinger, G. F.
O'Connell, J. S.
Roy, Sreekanta.

1891.
Banerjee, Gyanendra Nath.
Biswas, Haran Chandra.
Chatterjee, Chandra Kanta.
Clark, R. D.
Dolmar, J. C.
Ghose, Kristo Dhone.
Hazra, Upendra Nath.
Mitra, Satish Chandra.
Mukherjee, Panchcowri.
Sarkar, Hari Narayan.
Smellie, A. H.

1892.
Banerji, Suresh Chandra.
Banerji, Tarapado.
Bose, Dwaranath.
De, Bholanath.
Dutt, Upendra Nath.
Fazlal, Karim.
Ghosh, Protap Chandra.
Ghosal, Debi Lal.
Lahiri, Mothura Nath.
Morrison, J.
Roy, Benode Behary.
Samanta, Surja Coomer.
Sen, Gopal Chandra.
Saha, Sidheswar.

1893.
Biswas, Tincowri.
Chakraborty, Ganesh Chandra.
Chatterjee, Narendra Nath.
Ganguly, Bhupendra Bhusan.
Mukherjee, Batto Krishna.
Pramanik, Satish Chandra.
Roy, Bussanto Kumar.
Sarkar, Heralal.
Sen, Aswini Kumar.
Wise, J.

1894.
Baksi, Satish Chandra.
Bose, Surendra Nath.
Dutt, Surendra Nath.
Hazra, Sarat Chandra.
Mazumdar, Suresh Chandra.
Mukherjee, Bisseswar.
Neogi, Hira Lal.
Sen Gupta, Bepin Behary.

1895.
Aguilar, R. V.
Bose, Upendra Nath.
Bosu, Durga Pada.
Chakravorty, Joyotish Chandra.
Chatterjee, Gopal Prosad.
Gardiner, W. F.
Ghosh, Baroda Prosad.
Ghosh, Sita Nath.
Guha, Ananda Charan.
Jordai, W.
Lemon, D.
Mazumdar, Barada Kanta.
Parsons, J.
Paul, Nati Lal.
Paul, Kally Krishna.
Peters, M. C.
Sarkar, Nanil Lal.
Tibbetts, C.

1896.
Ansell, Sydney Ernest.
Abdul, Haque.
Aich, Norendra.
Bhattacharjee, Upendra Nath.
Bhattacharjee, Peary Lal.
Bose, Jagadish.
Bose, Ashutosh.
Chater, A. J.
Dawn, Sarat Chandra.
Glynn, W.
Mukherji, Anathnath.
Shower, D.
Young, R.

1897
Aditya, Apurva Kristo.
Bose, Jnanendra Nath.
Chatterjee, Bhabani Charan.
Das, Debendra Nath.
Dutta, Mahes Chandra.
Ganguly, Bireswar.
Gupta, Koilas Chandra.
Mallik, Nagendra Nath.
Mitra, Shyama Chandra.
Sarkar, Falaram.
Sen, Upendra Nath.

1898.
Adhicary, Lalit Mohan.
Bhattacharjee, Hem Chandra.
Bhattacharjea, Bishnupada.
Bose, Gissori Mohan.
Chatterjee, Chandra Kumar.
Chatterjee, Jotish Chandra.
Choudhuri, Hiralal.
Das, Ram Narain.
De, Sarat Chandra.
DeCruz, C. J.
Guha, Jogendra Kumar.
Guha, Suresh Chandra.
Kirti, Keron Chandra.
Kundu, Bolai Charan.
Raha, Jnanendra Nath.
Rogers, A. T.
Roy, Sita Nath.
Sanyal, Suresh Chandra.

1899.
Banerjee, Tarapada.
Banerjee, Kalipada.
Bhaduri, Radhika Prosad.
Bhaduri, Haridas.
Bhowmik, Rasikkumar.
Chatterjee, Chandra Kanta.
Chatterjee, Nalini Mohan.
Chatterjee, Thakuram.
Chowdhury, Binod Behari.
Dutt, Panchanan.
Deb, Rakhal Chandra.
Ganguli, Nani Gopal.
Ganguli, Bhupendra Nath.
Lal, Mahadeo.
Mitra, Jitendra Nath.

Mitra, Surendra Nath.
Mitter, Narendra Krishna.
Roy, Golak Nath.
Sarkar, Jogendra Nath.
Sarma, Hari Narayan.
Sen, Paresh Nath.
Saha, Jnanendra Nath.

1900.

Banerjee, Prosonna Kumar.
Banerjee, Bolai Chandra.
Banerjee, Jogesh Chandra.
Banerjee, Sanat Kumar.
Bose, Akshoy Kumar.
Bose, Anukul Chandra.
Chatterjee, Hari Gopal.
Chakrabortty, Purna Chandra.
Das, Jonordon.
Deb, Upendra Chandra.
Ganguly, Kantish Chandra.
Ganguly, Rohini Kumar.
Ghosh, Abinash Chandra.
Ghosh, Jotindra Nath.
Lahiri, Bhujango Bhusan.
Mukherjee, Upendra Nath.
Pal, Abinash Chandra.
Walters, G. W.

1901.

Banerjee, Promotho Nath.
Bhattacharjee, Bejoy Gopal.
Bose, Sochi Prosonna.
Chatterjee, Probodh Chandra.
Chowdhury, Girish Chandra.
Dey, H. C.
Mukherjee, Bankim Behari.
Mukherjee, Promotho Nath.
Mukherjee, Kali Das.
Mukherjee, Janoki Nath.
Roy, Upendra Chandra.
Sircar, Kedar Nath.
Sen, Satish Chandra.
Sen, Mohendra Chandra.
Sen Gupta, Jogendra Chandra.
Singh, Kesho Nandon.

1902.

Barori, Satish Chandra.
Bose, Rebatimohon.
Bhattacharji, Satish Chandra.
Chakravorty, Nagendra Nath.
Chatterjee, Benode Behari.
Chatterji, Nibaran Chandra.
Das Gupta, Basunto Kumar.
Dey, Kunjo Lal.
Dutt, Jitendra Chandra.
Ghosh, Kedarnath.
Ghosh, Gangesh Chandra.
Ghosh, Nibaran Chandra.
Lahiri, Srijib Chandra.
Kapwia, Dina Bandhu.
Mazumdar, Saradindu.
Mahadeo, Ram.
Maji, Umesh Chandra.
Maitra, Khitish Chandra.
Maitra, Keshab Lal.
Mukherjee, Benoy Bhusan.
Mukherjee, Monoranjan.
Mukherjee, Narendra Kumar.
Mukherjee, Sachindra Nath.
Mukherjee, Surendra Nath.
Mukherji, Charu Chandra.
Paul, Srish Chandra.
Sircar, Hara Krishna.
Sircar, Surendra Nath.
Vyse, F. J.

1903.

Banerjee, Khitish Chandra.
Bhaduri, Hari Pado.
Chatterjee, Atul Pado.
Das, Mahesh Chandra.
Das, Rohini Kumar.
Das Gupta, Ananda.
Sanyal, Krishna Dhone.
Sen, Ratan Krishna.
Sen, Sailendra Nath.

1904.

Banerjee, Bejoy Kumar.
Bhattacharjee, Degendra Nath.
Biswas, Apurba Kresna.
Bose, Probhat Chandra.
Bosu, Jogesh Chandra.
Chatterjee, Atul Krishna.
Chatterjee, Dherendra Kumar.
Chandra, Satish Chandra.
Das Gupta, Rajendra Sankar.
Das Gupta, Ramesh Chandra.
Dhar, Rajani Nath.
Hazra, Sarat Chandra.
Kar, Kamini Kumar.
Mitra, Jotindra Nath.
Mittra, Atul Chandra.
Nundi, Rash Behari.
Sen Gupta, Jitendra Kumar.

1905.

Banerjee, Dhiranga Nath.
Banerjee, Mani Mohan.
Biswas, Rishi Kumar.
Bose, Sourindra Nath.
Bosu, Benoy Krishna.
Chakraborty, Tarak Nath.
Chatterjee, Srish Chandra.
Dutt, Tulsi Chandra.
Dutta, Manmatha Bhusan.
Ghose, Kasinath.
Ghosh, Jatindra Chandra.
Gupta, Krishna Behari.
Kar, Rajani Mohan.
Mukherjee, Nirapada.
Mukherjee, Pran Krishna.
Mukherjee, Sanat Kumar.
Moitra, Tarapada.
Roy, Akhil Chandra.
Sarkar, Nishi Kanto.

1906.

Chakraborty, Lalit Kumar.
Chatterjee, Jotindra Mohan.
Chatterji, Dyal Chandra.
Dutt, Lal Mohan.
Furdavaji, M.
Ghosh, Jitendra Nath.
Hoor, Natabar.
Lahiri, Purna Chandra.
Moitra, Pulin Behari.
Pramanick Jyotish Chandra.
Roy, Kalidas.
Sen, Hemanto Kumar.

1907.

Biswas, Prokash Chandra.
Chatterjee, Laksmi Narayan.
Chatterjee, Nalini Mohan.
Chatterji, Dinodayal.
Chatterji, Pabitra Kumar.
De, Bepin Chandra.
Deb, Provat Chandra.
Ganguli, Baroda Kanta.
Mukherjee, Joges.
Roy Chowdhuri, Kalahari.
Saraswati, Aswini Kumar.
Sen, Jatindra Kumar.

1908.

Bhattacharjee, Surath Nath.
Biswas, Phani Bhusan.
Biswas, Girindra Nath.
Bose, Nripendra Nath.
Bridgewater, G.
Chatterjee, Bhupendra Nath.
Chowdhury, Mohendra Nath.
Das, Upendra Nath.
Das, Saroda Prosad.
Dhar, Jogendra Sanker.
Dhar, Kulada Sanker.
Ghose, Rahini Kumar.
Ghosh, Nripendra Nath.
Gupta, Jogendra Nath.
Moitra, Nares Chandra.
Mukherjee, Hari Ch.
Mukherji, Apurba Kumar.
Mukherji, Ardhendu Bhusan.
Roy, Modhusudan.
Sarkar, Bepin Chandra.
Sengupta, Bidhu Bhusan.
Sen, Satis Chandra.
Short, F.

1909.

Banerjee, Ajit Kumar.
Bose, Robindranath.
Chatterjee, Jiban Krishna.
Chatterji, Abinash Chandra.
Chatterji, Amrita Lal.
Chaudhuri, Surendra Narain.
Goswami, Nirmal Chandra.
Ghosh, Chandra Kumar.
Gupta, Nibaran Chandra.
Gupta, Roma Nath.
Mukherjee, Anil Chandra.
Mukherjee, Bankim Chandra.
Prosad, Akhouri Jagganath.
Sarker, Jnanendra Mohan.

FOREMAN MECHANICS WITH ELEC. QUALIFICATIONS.

SUB-ENGINEERS & FOREMAN MECHANICS.

1897.

Linton, E. A.

1898
Mukherjee, Nagendranath.

1899.
Duff, D.

1900.
Higgs, A.
Mukherjee, Hari Charan.

1901.
Nil.

1902.
Bose, Sris Chandra.

1903
Nil.

1904
Chatterjee, Anath Saran.
Sarkar, Sris Chandra.

1905.
Das, Jogendra Chandra.

1906.
Chakravarti, Ramgopal.
Vardon, J.

1907.
Nil.

1908.
Curry, J. C.

1909.
Fox, C. S.
Karmokar, Mohadeb.

(EXAMINATION IN TELEGRAPHY)

1909.
Borundish, G.
Smith, J. G.
Wells, W. G.

1910.
Bunyan, W.
Halliday, H. T.
Holdings, S.
Osborna, C.
Parr, F.
Stona, F. W.
West, H.
Wilay, R. S.

1911.
Arklic, E. V.
Barr, R.
King, W. H.
Wightman, E. G.

1912.
Carter, W.
Howard, W. G.
Johnson, W. E.
O'Brun, C. T.
Rowland, F.

1913.
Alfray, F. C.
Allen, H. J.
Foy, F. P.
Ivengar, V. K.
Macfarlaini, C. W.
West, E. G.

1914.
Bamford, W.
Cooke, C. H.
Castells, M.
Ceslian, J. F.
Manser, T.
Nicoll, T.
Perkins, G.
Pritchard, M. L.

1915.
Rates, G. A. E.
Cadagan, H.
D'Millo, T. A.
Elder, J. R.
Masterson, E.
McHugh, H. R.
Parthew, J. C.
Sambasiran, G.
Tayhr, R.
White, L. M.

1916.
Bower, S. A.
Haslam, G.
Hunt, G.
Marrow, C. H.
Shoutt, C. O.

1917.
Buswell, E. C.
Chatterjee, K. N.
D'Cruz, L.
Edir, G. R.
Ferry, W. H.
Martin, A. E.
Mople, J. B.
Philips, J.
Pintosa, C. P. M.
Robinson, W. E.
Taylor, A. E.
Williams, R. C.

1918.
Mathews, R. W.
Nayle, L.A.

1919.
Copstick, O.
Josephs, S. P.
Martin, B. L.
Seleastian, J. F.
Sweeney, F. C.

1920.
Aziz, M.A.
D'Cruz, C.
Hayes, R.
Lawrin, J. M.

1921.
Bruntan, J. M.

1922.
Cutley, O. C.
Dickson, F.
Fox, J. R.
Jackson, C.
Laher, J. A.
Lazurus, P.
Mackenzie, A. R.
Milener, C. P.
Milne, E. B.
Rao, B. Sadasiva.
West, J. C.

1923.
Alley, G.
Black, J. A. H.
DeSousa, J. H.
Godfrey, W. E.
Jones, E. W.
Massey, R. F.

1924.
Amarnath, [illegible] R. [illegible]
Dadswell, H[illegible]
D'Lomes, F.
D'Silva, S.
Fisher, S.
Halman, E. A.
Kapur, J. D.
Parrin, C. A.
Stone, E. W.

1925.
Crumarey, A. B.
D'Brass, G. E.
D'Lemas, G. A.
Francis, L. M.
Franks, A. J.
Hunter, W. L.
Matthews, N. J.
Rozario, W. D.

LIST OF PRESENT STUDENTS

1ST YEAR C.E. CLASS.
SECTION A(X)

Acharjea Nripendra Prasanna
Banerjee Deb Narayan
Basu Sisir Kumar
Bose Sephalendu
Bhaduri Ranendra Nath
Bhaduri Ashes Sarkar
Bhattacharyya Nirendra Nath
Bhattacharyya Dilip Kr.
Bhattacharyya Arun Kr.
Bhattacharyya Rathindra Kumar
Bhowmick Nirmal Kumar
Biswas Nikhil Kanta
Chakravarty Benusobhan
Chakravarty Bibhuti Kumar
Chakravarty Santimay
Chakravarty Sudeb
Chakravarty Sukdeb
Chatterjee Arabinda Nath
Chatterjee Gobinda Lal
Chatterjee Moulir Kishore
Chatterjee Satyansu Kr.
Das Ujjal Kumar
Das Gupta Malay
Datta Anil Baran
Datta Dulal Chandra
Datta Radhakissan
Datta Sukdeb
Datta Gupta Chiranjib Kumar
Datta Gupta Subhas Ch.
Dey Haradhan
Ganguly Sudhabrata
Ghatak Paritosh Kr.
Ghosh Dipendra Bhusan
Ghosh Malay Kumar
Ghosh Tapan Kumar
Guha Sarbajit
Guha Thakurta Amit Kr.
Gupta Sarma Biswajit

SECTION A(Y)

Alley Kamal Prasad
Bhagotra Bijoy Kumar
Butt Parvez Mohammad
Das Gupta Dipankar
Das Gupta Nityananda
Halder Rabindranath
Jana Amaresh
Kanjilal Jagadish
Kar Prasanta
Lahiri Dilip Chandra
Mandal Chandi Charan
Maitra Rabindra Nath
Maity Asit Baran
Majumder Sachish Ch.
Mitra Prasanta Kumar
Mitra Partha Sarathi

SESSION 1956-57
1ST YEAR C.E. CLASS
SECTION A(Y)—contd.

Mukherjee Arun Kr.
Mukherjee Shyamal Kanti
Mukherjee Dipak
Mukherjee Pushpendu Sundar
Mukherjee Ramendra Nath
Mullick Subir
Neogi Suranjan
Panda Nalini Ranjan
Patra Amiya Ranjan
Paul Sankar Kumar
Purkaystha Prodyot Kr.
Ray Aditya Kumar
Ray Bipul Kumar
Ray Braja Lal
Ray Girindra Chandra
Ray Mukul Kumar
Ray Jadabendra Nath
Saha Asit Ranjan
Sarkar Amal Kanti
Sarkar Subir Kumar
Sircar Delip Kumar
Sen Anil Kumar
Sen Jay Narayan
Sen Rabin
Sen Gupta Nilkamal
Sen Gupta Pranab Kumar
Sen Gupta Santanu
Sinha Ajay Kumar
Sethi Kulbir Singh

1ST YEAR M.E CLASS
SECTION B(X)

Basu Amitava
Basu Aloke Kumar
Basu Asis Kumar
Bhattacharyya Sitangsu Bhusan
Bhattacharyya Partha Sarathi
Chatteriee Asoke Kr.
Das Dilip Kumar
Das Subhas Chandra
Datta Sarit Kumar
Datta Pallab Kumar
Ghosh Satya Ranjan
Gupta Samir Kumar
Gupta Abhijit Kumar
Khan Rammohan
Mallick Dipta Shyamal
Maulick Basudeb
Mukherjee Ajit Kumar
Mukherjee Sanjib Kr.
Nandi Mrityunjoy
Nandy Ranjan Kumar
Pal Chanchal Kumar
Parial Birendra Nath
Poddar Rabindra Kr.
Ray Pranab Kumar
Ray Monojendra
Ray Chaudhuri Parimal Kumar
Santhana Krishnan P.V.
Sarkar Nirmalendu
Sen Gupta Bishnu Ranjan
Sen Gupta Tapas Kumar
Sen Gupta Sujit Kumar
Sen Gupta Bhaskar
Sood Sudesh Kumar
Talwar Subhas Chandra

1ST YEAR E.E. CLASS
SECTION B(Y)

Ahmed Ameeruddin
Basu Monoj Kumar
Bhattacharjee Amarendra Nath
Bose Kush Kumar
Bose Sourindra Mohon
Bose Sudhangshu Kumar
Bhattacharjee Somesh Chandra
Bhowmik Bhagabat Kr.
Chakravarty Benoy
Chatterjee Ratneswar
Chowdhury Amitananda
Das Nirmalya Ranjan
Das Narayan Chandra
De Bimal Kumar
Dutta Malay Kumar
Dutta Hemendra Nath
E. Nanda Kumar Singh
Ghosh Debendra Nath
Kanjilal Arun
Khaitan Shreegopal
Lenka Prafulla Kumar
Mukherjee Ujjal Chandra
Ray Sumit
Ray Bimalendu
Safi Ghulam Nabi
Saha Ajit Kumar
Samaddar Dipak Ranjan
Sen Ashoke Kumar
Sen Pronab Kumar
Sarkar Naresh Chandra
Sircar Sibaprasad
Sikdar Sourendra Mohan
Sood Jagadish Chandra

1ST YEAR MET E.CLASS
SECTION C(X)

Agarwalla Birendra Nath
Bandyopadhyay Bidhan Chandra
Banerjee Bisweswar
Bhadra Purnendu
Bhattacherjee Arup
Bhattacherjee Someswar
Bose Subir Kumar
Chakravarty Bireswar
Chakravarty Kalyan Kumar
Chakravarty Kanailal
Chattopadhyay Samiran
Das Gupta Amitava
De Sunil Kumar
Dutta Dipak Ranjan
Dutta Sanjib Kumar
Ganguly Pradyot Kumar
Ghosh Arun Kumar
Ghosh Prabir Kumar
Kabra Kamal Kumar
Moitra Supriya
Mullick Subrata
Mondal Snehangshu Bikash
Mukherjee Arunendra
Mukherjee Jaharlal
Mukherjee Ranendra Nath
Nandi Susanta Kumar
Ray Chowdhuri Pradip Kumar
Ray Chowdhuri Pranab Kumar
Roy Prasanta Kumar
Roy Sunil Kumar
Roy Tushar Kanti
Sarkar Kshitindra Mohan

1ST YEAR MIN.E. CLASS
SECTION C(Y)

Banerjee Samir Kumar
Banerjee Tushar Kanti
Betal Purnendu Sekher
Biswas Debabrata
Biswas Nripendra Nath
Basu Barun Kumar
Bose Tushar Kanti
Chakravarty Nripendra Kr.
Chakravarty Salil Kumar
Chakravarty Ranjit Kumar
Chakravarty Jyotirmay
Chakravarty Bijali
Choudhury Sourindra
Choudhury Shyamapada
Das Ajit Kumar
Das Gupta Kalyan Kr.
Ghosh Ranjit Kr.
Ghosh Dastidar Amal Bhusan
Guha Pratip Ch.
Lahiri Dipak
Majumdar Santanu
Mishra Avinash
Mukherjee Arundeb
Mukherjee Ajoy Kumar
Mukherjee Sarat Kr.
Paul Pushpendu Bikash
Saha Sachi Dulal
Samanta Suhrid Kr.
Sinha Jibtosh

1ST YEAR ARCH. CLASS

Acharya Prabir Kr.
Banerjee Sobhan Lal
Baral Hari Prasad
Barat Asoke Kr.
Basu Aloke Kr.
Chakravarty Malay Ch.
Chatterjee Kishore
Chaudhuri Bhaskar Narayan
Chaudhuri Sarat Ch.
Das Arunendu
De Amrita Kumar
Dey Arun Gopal
Dey Barun Gopal

Dube Vinod Kumar
Dutt Chandra Sekhar
Dutta Amarendra Nath
Dutta Nirmal Kanti
Gangadhar Bhatta Halabe Mukadam
Jali Inder Mohan
Majumdar Pijush Kanti
Mitra Satyabrata
Mukherjee Ajay Kumar
Sakti Indu Rattan

II YEAR C.E. CLASS SECTION A(X)

Bagchi Kalyan Kumar
Bagchi Goutam
Banerjee Nirmalendu
Banerjee Amalendu
Banerjee Sanjoy Kr.
Barat Timir Baran
Barua Nagendra Nath
Basu Majumdar Tapas Kumar
Bera Bisweswar
Bhattacharjee Sudhangshu Kumar
Bhattacharjee Tusarnath
Bhowmick Kanti Bhusan
Chakravarty Sachindra Nath
Chakravarty Ranendra Kumar
Chakravarty Kamal Kr.
Chatterjee Satyabrata
Chatterjee Arun Kr.
Chatterjee Malay Kumar
Chowdhury Tapan Kr.
Das Naresh Kumar
Das Nihar Ranjan
Das Hari Sankar
Das Gouranga Ch.
Dey Bibhas Ch.
De Diptimay
Deb Pradip Kumar
Dutta Nirmalya Kr.
Dutta Smritimoy
Ganguly Himangshu Kr.
Ganguly Sumon
Ganguly Asoke Kr.
Ghosh Ananda Nath
Ghosh Kalyanmoy
Ghosh Supriya
Goswami Brajendu
Gupta Ananda Pran
Gupta Dipak Kumar
Gupta Tapas Kumar
Gupta Pulakendu
Indu Debnarayan
Kaul Badrinath
Kusarya Pravat Kr.
Lahiri Girija Prasanna
Maity Bimalananda

II YEAR C.E. CLASS SECTION A(Y)

Banerjee Himangshu
Bhattacharyya Bijoyendra Kumar
Bhattacharyya Byomkesh
Chatterji Ashis Kumar
Mahadani Kalisadhan
Mandal Kashinath
Mazumdar Somendra Kr.
Misra Lingaraj
Misra Niranjan
Mitra Chandidas
Mukherjee Ashutosh
Mukherjee Basudev
Mukherjee Gourhari
Mukherjee Saktipada
Mallick Bankim Chandra
Pal Parimal Chandra
Pal Jayanta Kumar
Pal Sankar Kumar
Pal Das Madhusudan
Patnaik Satyendra Mohan
Patnaik Arun Kumar
Rakshit Asoke Kumar
Ray Subrata (1)
Roy Dipak Kumar
Roy Subrata (2)
Roy Chowdhury Subir
Saha Gouranga Prasad
Saha Binode Behari
Sanyal Kamal Kumar
Sarkar Kanti Bhusan
Sen Samirendra Kr.
Sen Utpal Ranjan
Sen Satyabrata
Sen Sankar Prasad
Sen Gupta Aloke
Sen Gupta Asis
Sen Gupta Tarit Kr.
Sen Gupta Bhaskar
Sen Gupta Subir
Sen Gupta Mihir Kr.
Sen Gupta Bratish
Sharma Debaprosad
Sharma Beharilal
Sharma Umesh Ch.
Sinha Dipak
S. Sankar
Sur Satchidananda
Thakur Prasanta Kr.
Wani Abdul Salam

II YEAR M.E. CLASS SECTION B(X)

Banerjee Sukumar
Banerjee Prasanta Kr.
Banerjee Arun Kumar
Basu Samir Kumar
Bhaduri Rajat
Bhar Nabin Chandra
Bhattacharjee Debabrata
Bhattacharjee Sachindra Nath
Chakravarty Panchu Gopal
Chatterjee Susil Kr.
Chatterjee Lokesh Ranjan
Das Ranendra Krishna
Das Hirendra Nath
Das Susil Kumar
Dutta Roy Rana Protap
Ghosh Jayanta Kumar
Lahiri Sandip Kumar
Laxman Purna Shrestha
Mitra Dipak Kumar
Mitra Utpal Kumar
Mukherjee Kumar Krishna
Mukherjee Debabrata
Mukherjee Priya Gobinda
Nag Supadma
Nag Chowdhury Dilip Kr.
Nath Kalyan Kumar
Pal Karunamoy
Phani Anil Kumar
Poddar Arabinda Nath
Roy Sreekumar
Roy Amarendra Nath
Sarkar Pro[illegible]anjan
Samant[illegible]nanta Narayan

II YEAR E.E. CLASS SECTION B(X)

Ahmad Mushtaque
Banerjee Prafulla Kumar
Basu Dilip Kumar
Basu Panchkari
Bera Madan Mohan
Bhowmick Monojit
Chakravarty Biswanath
Das Subhas Chandra
Dutta Rammoy
Dutta Onkar Nath
Ganguly Samir Ch.
Gon Someswar

II YEAR E.E. CLASS SECTION B(Y)

Ghosh Krishna Prasad
Ghosh Arunava
Ghosh Ram Ranjan
Ghosh Mukta Ranjan
Hasan Ziaul
Kaul Krishna Chandra
Kumar Birendra
Lahiri Asim Kumar
Mukherjee Ajit Kr.
Prodhan Ramesh Chandra
Roy Ranajoy
Roy Binod Chandra
Roy Jnanendra Nath
Saha Ranjit Chandra
Sen Apurba Kumar
Sikdar Sudhangshu Kr.
Shome Subid
Upadhyay Devendra Nath
Venkataraman R.

II YEAR MET.E. CLASS SECTION B(Y).

Banerjee Prasanta Kr.
Banerjee Sunirmal
Banerjee Basudev
Banerjee Govinda Das
Basu Suhas Ranjan
Bose Samiran
Biswas Rabindra Nath
Chakravarty Benugopal
Chakravarty Sushil Kr.
Chowdhury Dilip Kr.
Das Gupta Chandanabha
Dutta Ranjit Kumar
De Shayama
Dey Arun Bikash
Ghosh Prokash Chandra
Lahiri Pranab Kumar
Mazumdar Kalyan
Mandal Akhil Chandra
Mandal Badal Chandra
Mukherjee Rabindra Nath
Pal Chowdhury Ranadish Chandra
Sarkar Atin Kumar
Sen Biswajit
Sen Gupta Arun Kr.
Sen Gupta Ganapati
Sen Pushpal

II YEAR ARCH. CLASS

Banerjee Anupam
Basu Durga
Benegal Niranjan Balkrishna
Bose Karunamay
Chatterjee Bhabesh Ch.
Dey Kalyan Kumar
Dev Sishir
Ghosh Dilip Kumar
Majumdar Ajit Kumar
Mallik Debiprosad

III YEAR C.E. CLASS SECTION–A

Amatya Hariharman
Bagchi Devabrata
Bagchi Sekhar Nath
Banerjee Nirmal Kr.
Basu Rabindra Nath
Basu Sandip Kumar
Basu Subir Kumar
Basu Tapan Kumar
Behuria N. C.
Bhattacharyya Arun Kr.
Bhattacharyya Ashish
Bhattacharyya Bhishma Deb
Bhattacharyya Pulin Kr.
Bhattacharyya Bijoy Pd.
Bhattacharyya Rakhal Ch.
Bhattacharyya Shivnath
Biswas Alak Ranjan
Biswas Ramendra Ch.
Biswas Umapada
Borah Sarbananda
Chakravarty Amitava
Chakravarty Bibhuti Bh.
Chakravarty Debabrata
Chakravarty Dilip Kr.
Chakravarty Ranajit
Chatterjee Apurba Kr.
Chaudhuri Barun Kr.

Das Amulya Chandra
Das Banambar
Das Subodh Kumar
Das Radha Charan
Datta Dulal Chandra
De Birendra Nath
Deb Jayanta Kumar
Dhar Bimalendu
Ghosal Rabindra Nath
Ghosh Anil Kumar
Ghosh Chandra Kanta
Ghosh Ram Sankar
Ghosh Tapan Kumar
Ghosh Ramendra S.
Ghosh Subrata

SECTION-B

Goswami Murari Mohan
Guin Mihir Baran
Kar Debabrata
Maiti Sachindra Kr.
Maitra Barenya Deb
Mazumdar Arun Kumar
Majumdar Sisir Kumar
Majumdar Shyamal Kr.
Mallick Ashis Kr.
Mitra Jayanta Kumar
Mitra Kalyanmoy
Mitra Rathindra Nath
Mitra Sachindra Ch.
Mitra Siddhartha
Mitra Somes Chandra
Mukherjee Ambar Nath
Mukherjee Asoke Kr. I
Mukherjee Asoke Kr. II
Mukherjee Dinabandhu
Mukherjee Gopal Kr.
Mukherjee Somesh
Mukherjee Sibaprosad
Mukherjee Sukumar
Nag Binoy Bhusan
Pal Sadananda
Pal Sudhangshu Kr.
Pal Gobordhan
Panda Basanta Kumar
Pandit Tarit Kumar
Ray Gopal Chandra
Ray Chaudhuri Nirendra Nath
Raj Bhandari H. L.
Saha Pranesh Kumar
Sarkar Amaresh
Sarkar Madhab Chandra
Satpathy Muralidhar
Sen Gupta Asoke
Sinha Amal Kumar
Sinha Tarak Nath
Singh N. K. Bejoy Kumar
Thakur Birendra Bijoy
Wadoo Gul Mohd.
Wani Md. Munwar

III YEAR M.E. CLASS

Banerjee Bipradas
Banerjee Gopal Chandra
Banerjee Sibtosh
Barman Promotho Chandra
Basu Arupendra Nath
Basu Brajadulal
Bera Mrinal Kanti
Bhattacharyya Sourindra Kr.
Biswas Gopal Chandra
Biswas Monoranjan
Das Arabinda
Das Rathindra Nath
Ghosh Sushanta
GhoshSujit Kumar
Goswami Jyotirindralal
Guha Biswa Ranjan
Guha Dwipendra Nath
Guha Sukumar
Guha Surajit Kumar
Hazra Arun Kumar
Kar Bhagwan Chandra
Khan Jainal Abedin
Kundu Ajit Kumar
Maitra Tarun Kumar
Mukherjee Amalendu
Mukherjee Sujan Kumar
Pal Sukhendu Bikash
Rakshit Ajit Kumar
Ray Ganendra Mohan
Ray Subimal
Ray Chaudhuri Dilip Kr.
Ray Chaudhuri Partha
Saha Madhusudan
Saha Chaudhuri Sudhir Ranjan
Sen Anil Kumar
Sen Gupta Dilip Kumar
Shaik Khairuddin
Sinha Ray Sushil
Subramanian T. R.
Shom Debaprasad

III YEAR E.E. CLASS

Arora Asoke Kumar
Asthana Jitendra Kr.
Banerjee Aloke Kumar
Banerjee Naresh Chandra
Banerjee Nikhil Ranjan
Basak Santiranjan
Basu Mrinal Kanti
Bhattacharyya Arun Kr.
Chakravarty Asit Ch.
Chatterjee Ajit Kumar
Chatterjee Indranil
Chaudhuri Arun Kumar
Das Ardhendu Narayan
Das Gupta Debabrata
Das Gupta Prantosh
Datta Sudip
Dias Franklin Joseph
Ghosh Mukul
Ghosh Shyamal Kumar
Goswami Srijib Nandan
Kundu Aloke Nath
Majumdar Asim Kumar
Mukherjee Bimal Kr.
Mukherjee Dipak Kr.
Mukherjee Subrata
Pradhan Gobind Prasad
Ray Ajit Kumar
Ray Asim Kumar
Saha Birendra Kishore
Saha Bhowmick Himangshu
Sen Gupta Rabindra Nath

III YEAR MET.E. CLASS

Basu Priyotosh
Chatterjee Dipak
Chatterjee Lalit Mohan
Chatterjee Parijat Kr.
Chaudhuri Rabindra N.
Das Gupta Mihir
Das Gupta Shyamal Kanti
De Chittaranjan
Ghosh Ahindra
Ghosh Chandidas
Majumdar Suprakash
Ray Pradip Ranjan
Saha Madan Mohan
Sinha Dhurjati Prasad

III YEAR ARCH. CLASS

Chatterjee Satyabrata
Das Sunil Chandra
Ghosh Ranen Kumar
Ghosh Yatindra Kumar
Maitra Nirmal Kumar
Mitra Pabitra Krishna
Muni Chakravarty Rohini Lal
Palchaudhuri Kamal K.
Rakshit Ranabir
Sen Pranab
Sengupta Rama Ranjan

IV YEAR C.E. CLASS
SECTION A

Banerjee Amarendra Mohan
Banerjee Dhruba Bikash
Banerjee Kalyan Kumar
Banerjee Nirendra Nath
Banerjee Parimal Kanti
Banerjee Ranendra Nath
Banerjee Sankh Kumar
Bardhan Rathindra Chandra
Bardhan Tarapada
Basu Amiyakumar
Basu Ashis Kumar
Biswas Jatindranath
Biswas Nirodekumar
Buchh Md. Yusuf
Chakravarty Debkumar
Chakravarty Ashis Kumar
Chakravarty Harendranath
Chakravarty Nripendranath
Chakravarty Somnath
Chakravarty Sudhangshu
Chakravarty Shyamaprasad
Chatterjee Jayantakumar
Chatterjee Sukhendu
Choudhuri Manju
Choudhuri Suhas
Chaudhuri Subhrendu
Dan Amiyakumar
Das Satyaranjan
Dasgupta Amitava
Dasgupta Tarun Kumar
Dasgupta Apurba Kumar
Dutta Susantakumar
Deb Arunkumar
Dhar Parameshranjan
Ganguly Gouranga
Ganguly Kanailal
Ghosal Amitava
Ghosal Nareshchandra

IV YEAR C.E. CLASS
SECTION B

Ghosh Amarendu
Ghosh Bholanath
Ghosh Nirmalbhusan
Ghosh Prithwishkumar
Ghosh Subhaschandra
Ghosh Sudhirendranath
Gohain Ghanakanta
Guha Thakurata Debabrata
Gundroo Nazir Ahmed
Joardar Pradipkumar
Kar Ray Satyaranjan
Kundu Sisirkumar
Lahiri Pranabkumar
Moitra Rebatimohan
Majumdar Diptimoy
Mal Ajoykumar
Majumdar Gunendukrishna
Mitra Somenkumar
Mukherjee Bejoybehari
Mukherjee Chirantan
Nandy Saktiprasad
Patnaik Krishnamohan
Ray Birinchikumar
Rakshit Rashbehari
Reza B. M. Ali
Rimal Gourinath
Rimal Sankarnath
Sanyal Dipendrakumar
Sarbadhikari Arupkumar
Sarkar Sakti
Sen Subratakumar
Sen Supriya
Sen Kantikumar
Shee Asokekumar
Sil Bijankumar
Sundar Sham
Tshering Sonam

IV YEAR M.E. CLASS.

Banerjee Santoshkumar
Basak Asitkumar
Bhattacharya Abhas
Chatterjee Pranab Kumar
Dutta Rupen
De Sunilkumar

Ghosh Anantakumar
Ghosh Sankarprasad
Majumdar Benoy
Mitra Mihirlal
Mitra Rajatkanti
Mitra Salilkumar
Mukherjee Basudeb
Ray Susilkumar
Sarkar Lakshminarayan
Sen Nishikanta
Sinha Nemaichand
Stephens Keneth Colin

IV YEAR E.E. CLASS

Basu Debeschandra
Bhaumik Nanigopal
Bhattacharya Probhat
Chakravarty Probhat Kr.
Das Anilkumar
Das Niranjan
Das Swarajkumar
De Bimalbikash
De Mukulendranarayan
Ganguly Ajitkumar
Guchait Gopalkrishna
Khan Md. Aslam
Majumdar Subinoy
Misra Parimalchandra
Mitra Arunkumar
Mitra Mrinal Kanti
Mukherjee Pranabkumar
Poddar Arunkanti
Pal Sailendra Chandra
Ray Ranajitkumar
Ray Utpal
Saha Dolgobinda
Sinha Shyamalkumar
Wadani Gulab Kheomal

IV YEAR MET.E. CLASS

Chatterjee Keshablal
Chatterjee Samir Kr.
Chatterjee Uday
Chaudhuri Benoy R.
Midday Gunakar
Ray Prodyot Kr.

IV YEAR ARCH. CLASS

Chaudhuri Hirendranath
Ghosh Santoshkumar
Karmakar Anilkumar
Kerr Ashokekumar
Mukherjee Samirbaran
Roy Chowdhury Sadasankar
Sanyal Pabitrakumar

V YEAR ARCH. CLASS

Aichbhowmick Debajyoti
Chatterjee Tarun Kr.
Dash Dhirendranath
Fonseca R. A.
Ghosh Bedabrata
Ghosh Parthapratim
Mukherjee Subimal

D.T.R.P. CLASS
Ist Year

Basu Asoke
Moitra Purnendu Kumar

2nd Year.

Basak Ranjit
Chatterjee Benoy
Dasbakshi Ranjan
Datta Bejoy
Ghosh Sunil Kumar
Sinha Ashish Kumar

MASTER OF ENGINEERING CLASS
Ist Year

Basole Madhukar M. (Civil)
Bhattacharjee Bishnu Pada (Electrjcal)
Datta Dulal (Mechanical)
Datta Gopinath (Mechanical)
Guha Arun Kumar (Electrical)
Mukherjee Promothes (Electrical)
Nandi Joydev (Electrical)

2nd Year

Banerjee Amitava (Civil)
Ghosn Amitava (Civil)

LIST OF PRESENT STAFF

STAFF—1956-57.

Administrative Staff :

Prof. A. C. Roy, B.Sc. (Hons.) (Glas) 1st Class, M.I.E. (Ind.), A.M.I.Mech.E., Chartered Engineer, Institution of Engineer (India)—Principal.
Sri A. S. Sen, B.Sc. (Manchester), A.M.I.E. (Ind.)—Prof-in-Charge of Training.
Sri K. C. Chakravarty, M.Sc.—Registrar.
Sri D. C. Sarkar, M.A., Dip. Lib. (Cal.), Diploma (A.L.A., U.S.A.)—Librarian.
Dr. A. C. Chakravarty, M.B.—Medical Officer.

Office Staff :

Sri S. K. Banerjee, B.A.—Office Superintendent.
Sri B. R. Kar Chowdhury, B.A.—Accountant.
Sri H. Hazra—Senior Clerk.
Sri M. M. Basu, B.A.—Second Clerk.
Sri C. S. Sarkar, B.A.—Stenographer.
Sri K. Kundu, B.Sc.—Stenographer (Offg.).
Sri M. Mukherjee—Stenographer (Offg.).
Sri D. K. Das—Stenographer (to Guest Professors).
Sri M. K. De—Stenographer (to Guest Professors).
Sri R. N. Chowdhury, B.Com.—Stenographer (to Guest Professors).
Sri P. Patra—Cashier.
Sri A. K. Ghosh—Assistant Cashier.
Sri H. Basak, B.A.—Steward (Offg.).
Sri S. N. Parial, B.A.—(on deputation as Library Assistant)—Clerk.
Sri A. K. Saha Roy, B.Sc.—Clerk (Offg.).
Srimati Lila Dutta, B.A.—Clerk.
Sri B. B. Chowdhury, B.A. (on deputation as Library Assistant)—Clerk.
Sri A. K. Gupta—Clerk (Offg.).
Sri S. P. Banerjee, B.Com.—Clerk.
Sri A. T. Chakravarty, Assistant Accountant.
Sri H. S. Ghosh, B.Com.—Clerk.
Sri N. Das Gupta, B.Com. (on deputation)—Clerk.
Sri S. Roy—Clerk (Offg.).
Sri D. C. Das, B.Com.—Clerk.
Sri B. Mukherjee—Clerk (Offg.).
Sri S. R. Bose, B.A.—Clerk.
Sri J. C. Dhar—Clerk.
Sri N. B. Dutta—Typist.
Sri K. M. Ghosh—Typist.
Sri N. Mitra—Chief Store-keeper.
Sri G. Mondal—Assistant Store-keeper.
Sri M. M. Mukherjee—Assistant Store-keeper.
Sri B. B. Chatterjee, B.A.—Clerk.
Sri B. M. Das—Mess Clerk.
Sri B. B. Saha, B.A.—Junior Mess Clerk.
Sri P. B. Banerjee—Clerk (Offg.).
Sri K. P. Das, B.Com.—Clerk (Offg.).
Sri T. P. Banerjee—Caretaker.
Sri M. C. Gupta—Telephone Operator.
Sri H. N. Ghosh—Cash Sarkar.

Library Staff :

Sri N. Bhattacharya, B.A., Cert. in Librarianship—Assistant Librarian.
Sri D. N. Dutta, B.A., Dip. Lib. (Cal.), A.L.A. (Lond.)—Assistant Librarian.
Sri S. K. Gupta, B.Sc., Dip. Lib. (Cal.)—Library Assistant (Offg.).
Sri S. N. Parial, B.A., Dip. Lib. (Cal.)—Library Assistant (Offg.).
Sri B. B. Chowdhury, B.A.—Library Assistant (Offg.).
Sri Amal Das, B.Sc., Dip. Lib. (Cal.)—Library Assistant (Offg.).

Members of the Teaching Staff :

DEPARTMENT OF APPLIED MECHANICS

1. Professor—Vacant.
2. Assistant Professor—Dr. P. N. Chatterjee, B.Sc. (Hons.) (Cal.), B.E. (Cal.), M.Sc. (Illinois), Ph.D. (Illinois), Associate Members A.M.I.E. (Ind.).
3. Lecturer—Sri S. K. Chowdhury, B.M.E. (1st Class) (Offg.).
4. Lecturer—Sri A. K. Chowdhury, B.Sc. (Engg.) (B.H.U.), M.S. (Wisconsin), (U.S.A.) (Offg.).
5. Lecturer—Sri B. Sen, B. E. (Cal.), (Offg.).
6. Associate Lecturer—Sri S. K. Chowdhury, B. M. E. (1st Class) (on deputation).
7. Demonstrator—Sri P. K. Das, B.Sc.
8. Demonstrator—Sri Subir Kar, B.Sc. (Engg.) (B.H.U.).
9. Demonstrator—Vacant.
10. Demonstrator—Vacant.

DEPARTMENT OF ARCHITECTURE & TOWN & REGIONAL PLANNING

1. Professor—E. Saceriste, U.N. de B.A., B.C.N. de C.
2. Assistant Professor—Sri G. K. Paknikar, M.S. (Columbia), F.I.I.A., A.M.A.I. (U.S.A.), A.M. T.P.I. (Lond.).
3. Assistant Professor (Part-time)—Sri K. A. Kirtikar, A.R.I.B.A., A.I.I.A.
4. Lerturer—Sri S. C. Mukherjee, B.A. (Cal.), G.D. Arch. (Bombay) (1st in order of merit), A.I.I.A.
5. Demonstrator—Sri G. C. Roy, (Passed Draughtsmanship and Teachers' Training Course in Art Appreciation of the Calcutta University).

Senior Research Scholar—Vacant.
Senior Research Scholar—Vacant.

TOWN AND REGIONAL PLANNING

Professor—Post held in abeyance.
Assistant Professor—Sri A. K. De, B. E. (Civil) (Cal.), A.M.I.E. (Ind.), A.M.I.E. Struct. E. (Lond.).
Dip. T.P. (Manchester), A.M.T.P.I. (Lond.).
Lecturer—Sri T. C. Chatterjee, B. E. (Cal.), D.T.R.P. (Cal.).

DEPARTMENT OF CHEMISTRY AND METALLURGY

Professor—Dr. G. P. Chatterjee, B.Sc. (Hons.), B.Met., Ph.D. (Met.E.), Ph.D. (Physics), M.A.S.M., M.I.I.M.
Assistant Professor—Dr. B. Chatterjee, D.Sc.
Assistant Professor—Dr. S. C. Das Gupta, B.Sc. (Hons.), B.Met. (Cal.), M.S. (Missouri), Ph.D. (Notredame), Member Sigma Si (U.S.A.).
Associate Assistant Professor of Fuel Technology—Dr. G. C. Basak, M.Sc. (Cal.) (1st Class), Ph.D. (Lond.), D.I.C.
Lecturer in Fuel Chemistry—Sri N. C. Neogy, M.Sc. (Cal.).
Lecturer in Geology—Sri P. K. Mukherjee, B.Sc. (Hons.) (1st Class First), M.Sc. (Cal.) (1st Class First), Trained in Engineering Geology.
Lecturer in Metallurgy—Sri P. P. Das, B.Sc. (Hons.), B.Met. (on deputation to U.K.).
Assistant Lecturer in Chemistry—Sri H. K. Saha, M.Sc. (Offg.).
Demonstrator in Metallurgy & Chemistry—Sri M. S. Majumdar, M.S. (Illinois).
Demonstrator in Metallurgy & Chemistry—Sri B. N. Chakravarty, M.Sc. (Tech.) (Cal.).
Demonstrator in Geology—Vacant.

DEPARTMENT OF ARCHITECTURE & TOWN & REGIONAL PLANNING

Junior Research Assistant—Vacant.
Junior Research Assistant—Vacant.
Junior Research Assistant—Vacant.
Senior Research Assistant—Sri R. K. Mitra, B.Sc. (Met.) (Engg.).
Senior Research Assistant—Sri K. C. Som, B.Met. (Cal.), C.E., M.I.I.M., A.M.G.M.I.
Junior Research Assistant—Sri R. Ganguly, B.Sc. (Met.).
Junior Research Assistant—Vacant.

DEPARTMENT OF CIVIL ENGINEERING

Professor—Vacant.
Associate Professor—Sri K. C. Ray, B.E., M.I.E. (Ind.), M.Am.C.I.
Assistant Professor—Dr. S. K. Mukherjee, B.E. (Cal.), M.S., Ph.D. (Minnesota), A.M.I.E. (Ind.).
Lecturer—Sri S. K. Bhattacharya, B.E., A.M.I.E. (Ind.).
Lecturer—Dr. A. K. Mukherjee, B.E. (Cal.), M.S. (Minnesota), Ph.D. (Min.).
Lecturer—Sri A. Ghosh Dastidar, B.Sc. (Glas.) (Offg.).
Lecturer—Sri C. Sarkar, B.E. (Cal.) (Offg.).
Demonstrator—Sri N. B. Das Gupta (Upper Subordinate passed).
Demonstrator—Sri Suresh Chandra Das Gupta, Passed Overseer.
Demonstrator—Vacant.
Demonstrator—Sri R. N. Mitra, B.E. (Cal.).

DRAWING

Assistant Professor—Sri A. K. Sanyal, B.E. (Cal.), A.M.I.E. (Ind.), M.Ind.I.M.
Lecturer—Sri K. K. Banerjee, B.E. (Cal.), M.S. (Wisconsin).
Associate Lecturer—Sri A. K. Majumdar, B.M.E., A.M.I.E. (Ind.).
Demonstrator—Sri C. M. Ghosh, Diploma in Mech. & Elec.
Demonstrator—Sri S. Das, B.E.
Demonstrator—Sri B. N. Bhattacharya, B. E.
Instructor in Drawing—Sri Gobinda Chandra Dutta.
Instructor in Drawing—Sri Ajoy Kumar Mitra.
Research—
Senior Research Scholar—Sri A. Ghosh, B.E.
Senior Research Scholar—Sri S Badruddin.
Senior Research Scholar—Sri A. Banerjee.

DEPARTMENT OF ELECTRICAL ENGINEERING

Professor—Sri S. N. Ray, B.Sc. (Hons.) (Glas.).
Assistant Professor—Sri M. L. Das Gupta, B.E. (Cal.), M.E.E. (New York), A.M.I.E. (Ind.), Asso. Mem. A.I.E.E.
Associate Assistant Professor—Dr. S. K. Sen, B.E. (Cal.), Ph.D. (Lond.), D.I.C. (Lond.) (on deputation to act as Lecturer, post-graduate department).
Associate Assistant Professor—Sri R. C. Pal, B.Sc. (Hons.), (Cal.), B.Sc. (Engg.) M.Engg.Sc. (Melbourne) (Offg.).
Lecturer—Sri R. C. Pal, B.Sc. (Hons.) (Cal.), B.Sc. (Engg.), M.Engg.Sc. (Melbourne) (on deputation to act as Assoc. Asst. Professor).
Lecturer—Sri H. Banerjee, B.Sc. (Engg.) (1st Class) (Offg.).
Demonstrator—Sri A. M. Roy, B.E.E.
Demonstrator—Sri A. N. De, B.E.
Demonstrator—Sri A. Mustafi, B.E.
Research—
Sri P. Mukherjee, B.E.
Sri J. Nandy, B.E.

DEPARTMENT OF HUMANITIES

Lecturer in Civics & Economics—Dr. B. Dhar, M.A. (1st Class), B.L. (1st Class)
Associate Lecturer in Civics & Economics—Sri P. N. Mukherjee, M.A., LL.B.
Associate Lecturer in Hindi—Sri T. N. Agarwala, M.A. (1st Class).
Associate Lecturer in English—Vacant.
Lecturer in English—Sri S. K. Bhattacharya, M.A. (part-time).
Associate Lecturer in European Languages—Vacant.
Associate Lecturer in European Languages—Vacant.
Part-time Lecturer in Civics & Economics—Sri D. C. Sarkar, M.A.

DEPARTMENT OF MATHEMATICS

Assistant Professor—Dr. S. K. Chakrabarty, D.Sc., F.N.I.
Assistant Professor—Sri U. P. Burman, M.Sc. (Class I) (W.B.E.S.).
Lecturer—Vacant.
Associate Lecturer—Sri S. C. Ganguly, M.Sc. (1st Class) (on deputation to act as Lecturer).
Associate Lecturer—Sri A. N. Dutta, M.Sc. (1st class) (on deputation to Govt. of Ministry of N.S. & S.B.)
Associate Lecturer—Sri S. C. Acharya, M.Sc. (Offg.).
Lecturer—Sri Manindra Mitra, M.Sc. (Cal.) (Offg.).
Demonstrator—Sri K. N. Banerjee, M.E.
Demonstrator—Vacant.
Demonstrator—Vacant.
Research—
Junior Research Fellow—Sri Mithil Ranjan Gupta, M.Sc.
Technical Research Assistant—Sri G. C. Chowdhury, M.Sc.
Senior Research Assistant—Sri K. R. Nag, M.Sc.

DEPARTMENT OF MECHANICAL ENGINEERING

Professor—Vacant.
Assistant Professor—Sri D. Banerjee, B.Sc. (Hons.), B.E. (1st Class 1st, Gold Medalist), M.Sc. (Engg.) (Lond.), D.I.C., A.M.I.Mech.E., A.M.I.E. (Ind.)
Assistant Professor—Sri B. K. Dutt, B.E. (1st Class 1st Gold Medalist), A.M.I.E. (Ind.).
Associate Assistant Professor—Vacant.
Lecturer—Sri S. J. Mukherjee, B.Sc. (Engg.) (B.H.U.).
Lecturer—Sri N. C. Das Gupta, B.Sc. (Cal.), B.Sc. (Engg.).
Associate Lecturer—Sri Amitabha Bhattacharya, B.M.E. (Offg.).
Sri Amitabha Bhattacharya—Demonstrator (on deputation to act as Assoc. Lecturer).
Demonstrator—Sri D. L. Nath, B.E.
Demonstrator—Vacant.
Research—
Research Scholar—Sri S. K. Banerjee.
Research Scholar—Sri S. Dutta, B.M.E.
Junior Research Assistant—Sri D. N. Halder, B.Sc., B.E.
Junior Research Assistant—Sri Pannalal Pal, B.E.
Junior Research Assistant—Vacant.
Sri S. Verma, B.E.
Sri Dulal Dutta, B.E.

DEPARTMENT OF PHYSICS

Assistant Professor—Dr. S. S. Baral, D.Sc.
Lecturer—Sri P. K. Chatterjee, M.Sc. (1st Class).
Associate Lecturer—Sri P. N. Das, M.Sc. (1st Class), Grad. I.E.E., M.I.R.E.
Demonstrator—Sri K. K. Majumdar, M.Sc.
Research—
Senior Research Scholar—Sri Y. S. Chandra Sekher, B.Sc., D.M.I.T.
Senior Research Assistant—Sri Matichand Mallick, M.Sc.
Senior Research Assistant—Sri S. C. Mukherjee, M.Sc.
Junior Research Assistant—Sri Md. Shamsuzzoha, M.Sc.

DEPARTMENT OF TRAINING & PLACEMENT

Professor-in-Charge of Training—Sri A. S. Sen, B.Sc. (Manchester), A.M.I.E. (Ind.)
Assistant to the Prof.-in-Charge of Training—Sri A. K. Majumdar, B.Sc., B.M.E.
Assistant to the Prof.-in-Charge of Training—Sri G. Banerjee, B.Sc., B.E.E.

Workshops

Chief Foreman—Vacant.
Sri S. C. Roy—Six years' First Class Apprenticeship Grade both theoretical and practical training in E. B. Rly. Loco Workshops and Technical School —Foreman—Carpentry.
Sri S. N. Karmakar—Diploma in Mechanical & Electrical Engineering (1st in order of merit) from Bengal Engineering College—Foreman—Machine Shop and Fitting.
Sri T. C. Vail—Foreman, Diploma in Foundry & Pattern, Machine Shop & Drawing, Member of the Foundrymen's Association, London—Foreman —Foundry & Pattern Shop.
Sri S. K. Sen Gupta, B.E.E., A.M.I.E. (Ind.)—Foreman—Electric Shop.
Sri A. K. Bhanja—Passed B.O.A.T., Attended Technical Warrant Officers' Course in I.A.O.C., and services I.E.M.E. as Technical Instructor. Under-

took technical education and practical training in U.K., Diploma and Membership of the Institute of Welding, England—Foreman—Smithy & Welding.

Sri H. N. Chakravarty—Certificate in Mechanical & Electrical Engineering (apprenticeship) from the College of Engineering & Technology, Bengal, Jadavpur, Certificate of full Five Years Engineering Apprenticeship from workshops, Certificate of Special Training in Power House and Water Works at Palta under the Corporation of Calcutta, Boiler Engineers' First Class Certificate—Foreman—Boiler & Engine House.

Sri J. Burman, B. M. E.—Foreman—Carpentry.

National Cadet Corps :

4TH BENGAL ENGINEERING PLATOON

Capt. D. B. Chopra, Engrs. O.C.
2nd Lt. B. K. Dutt, NCC.
Subedar Ishar Singh.
C.H.M. Jagadish Narayan.
C.H.M. Onkarnath Singh.
C.H.M. Umed Singh.
SPR. Gokal Chand.

4TH BENGAL E.M.E. SECTION

Capt. S. K. Roy, E.M.E., O.C.
Lt. A. K. Majumdar, NCC.
Lt. P. K. Das, NCC.
Jem. (Artz), K. N. Chakravarty.
C.H.M. S. K. Tewari.
C.H.M. Amrik Singh.
Nk./Dvr. N. K. Nair.

Physical Education :

1. Lt. B. N. Basu Rai, B.A. (Military Training from O.T.S., Delgaum, Bombay), Diploma in Physical Education, Madras, Scouter, 1st Class—Physical Instructor.
2. Sri S. N. Guha, B.A., Diploma in Physical Education, Calcutta—Physical Instructor.
3. Sri Dhanapati Chandra, B.A., Diploma in Physical Education, Calcutta—Physical Instructor.

Physical Instructor—Vacant.
Physical Instructor—Vacant.
Physical Instructor—Vacant.

MEDICAL DEPARTMENT

Dr. A. C. Chakravarty, M.B., Medical Officer.
Sri S. C. Mondal, Male Nurse.
Sri K. L. Acharya, Male Nurse.
Sri J. N. Das, Compounder.
Sri D. N. Das, Compounder.
Sri Md. Yusuf—Dresser.

LIST OF VISITING LECTURERS

1. Dr. A. K. Bose, Works Manager, Guest, Keen, Williams, Ltd.
2. Dr. D. P. Antia, Director, National Carbon Co., Ltd.
3. Experts from Tata Iron & Steel Co.
4. Shri T. R. Gupta, Technical Director, Joy Engineering Works, Prince Anwar Shah Road, Calcutta.
5. Shri G. C. Mitter, Supdt., Silver Refinery, India Govt. Mint.
6. Dr. B. R. Nijhawan, Director, National Metallurgical Laboratory, Jamshedpur.
7. Mr. J. G. Berry, General Manager, India Copper Corporation, Ghatsila.
8. Works Manager, Indian Aluminium Co., Alwaye.
9. Dr. Atma Ram, Director, Glass & Ceramic Research Institute, Jadavpur.
10. Prof. N. N. Chatterjee, Geology Deptt. University of Calcutta.
11. Dr. B. Bose, Supdt. of Research, Indian Aluminium Co., Belur.
12. Prof. N. Das Gupta, University College of Science.
13. Sri Supriya Roy, Lecturer, Jadavpur University, Jadavpur.
14. Prof. P. R. Roy, Indian Association for the Cultivation of Science, Jadavpur, Calcutta.
15. Shri P. K. Chakravarty, Supdt., Blast Furnaces, Tata Iron & Steel Co. Ltd., Jamshedpur.
16. Shri S. Sanyal, 7B, Namdih Road, Jamshedpur.
17. Dr. T. Banerjee, Assistant Director, National Metallurgical Laboratory, Jamshedpur.
18. Dr. K. K. Majumdar.
19. Dr. M. N. Oastur, P17, Mission Row, Calcutta.
20. Dr. A. Goswami, National Chemical Laboratory, Poona.
21. Shri S. C. Biswas, 10, Suresh Sarkar Road, Calcutta.
22. Shri A. K. Bose, Messrs. Ballardie Thompson and Matthews, Wellesley Place, Calcutta.
23. Shri D. K. Chakravart, 1/1B, Mission Row, Calcutta.
24. Shri D. N. Sen.
25. Dr. J. K. Bose, Labour Adviser, Indian Engineering Association, Bengal Chamber of Commerce.
26. Shri K. K. Das Gupta, Chief Inspector of Factories (5, Ekdalia Road, Ballygunj, Calcutta).
27. Shri A. N. Sen Gupta, Boiler House, Supdt., New Cossipore Generating Station, Cossipore.
28. Shri L. N. Banerjee, Prof. of Engineering, Institute of Jute Tech. Circular Road, Ballygunj, Calcutta.

29. Shri C. K. Haldar, 126/3, Narasinga Dutta Road, Howrah.
30. Shri D. P. Roy, Chief Engineer, Small Tools Mfg. Co. (India), Ltd., 148, Rash Behari Avenue, Calcutta.
31. Shri S. K. Guha, Director, Lillooah Iron Works.
32. Shri T. R. Gupta, Technical Director, Jay Engineering Works Ltd., 183A, Prince Anwar Shah Road, Calcutta.
33. Shri D. P. Ganguly, Shift Engineer, Calcutta Electric Supply Corpn., New Cossipore Generating Stn., Cossipore.
34. Shri S. B. Deb, Asstt. Project Engineer (D.V.C.). Electricity Deptt. Anderson House, Alipore.
35. Shri C. D. Ayyar, Project Officer, D.V.C., Anderson House, Calcutta.
36. Shri A. K. Ghosh, Testing Engineer, Testing Deptt., Calcutta Electric Supply Corpn. Ltd., Calcutta.
37. Shri B. N. Choudhury, Divisional Engineer, West Bengal State Electricity Board, New Secretariat Bldgs.
38. Shri V. Vengooalan, Director, Central Water & Power Commission (Power Wing) Govt. of India, Shahjahan Road, New Delhi.
39. Shri S. N. Mukherjee, Dy. Director, Physical Govt. Test House, Alipore Calcutta.
40. Shri N. N. Chakravarty, Electrical Inspector, Govt. of West Bengal, 1, Harish Mukherjee Road, Calcutta.

1. Dr. D. P. Ghosh,
   Curator, Ashutosh Museum,
   University of Calcutta,
   Calcutta.
2. Sri Priyo Guha,
   City Architect, Calcutta Corporation,
   5, Surendra Banerjee Road, Calcutta.
3. Sri R. M. Gupta,
   C/o Messrs. Ballardie Thompson & Matthews,
   7, Wellesley Place, Calcutta.
4. Shri B. N. Banerjee,
   Office of the Govt. Architect, Writers' Buildings,
   Calcutta.
5. Mr. H. J. Glas, Architect,
   C/o Messrs. Hindusthan Insurance & Co-operative Society Ltd., Hindusthan Bldgs, Chittaranjan Avenue, Calcutta.
6. Mr. J. A. Stein,
   C/o Messrs. Stein & Polk,
   A-14/3, Delhi Ajmeri Gate,
   New Delhi.
7. Shri M. V. Pradhan,
   C/o Messrs. Ballardie Thompson & Matthews,
   7, Wellesley Place, Calcutta-1.
8. Sri S. G. Govekar, Architect,
   C/o Messrs. Talbot & Co., Tower House,
   Calcutta.
9. Sri H. C. Mukherjee,
   Chief Valuer, Calcutta Improvement Trust,
   Netaji Subhas Road, Calcutta.
10. Sri K. Ray,
    Engineer, C/o Messrs. Hindusthan Co-operative Insurance Society Ltd., Hindusthan Bldgs. Chittaranjan Avenue, Calcutta.
11. Shri A. K. Bose,
    C/o Messrs. Ballardie Thompson & Matthews,
    7, Wellesley Place, Calcutta.
12. Shri B. N. Chaudhuri,
    C/o Messrs. Chaudhuri & Guha,
    10, Hastings Street, Calcutta.
13. Sri J. N. Das Gupta,
    27, Lansdowne Terrace, Ballygunj, Calcutta.
14. Prof. N. C. Bhattacharyya,
    18, Aswini Dutt Road, Ballygunj, Calcutta.
15. Sri Promode Gopal Chatterjee,
    Model Maker & Sculptor, Govt. Housing Estate,
    Block E, Flat No. 4, Karaya, Calcutta.

LIST OF STAFF UPTO 1955

PRINCIPALS

Lieut. E. C. S. Williams...1956-59.
Major G. Chesney (offg.)—1859-60.
Major W. E. Warrand—1861.
Major J. G. Medley (offg.)—1862.
Lieut. G. S. Hills (offg.)—1863.
T. Martin—1863-64.
J. Sutcliffe—1864-76.
C. H. Tawney—1877-79.
S. F. Downing—188-91.
J. S. Slater—1892-98.
A. Macdonell (Offg.)—1899-1900, 1905.
J. S. Slater—1901-1903.
B. Heaton—1904, 1906-1910, 1912-1919, 1921.
P. J. Bruhl (Offg.)—1911.
T. H. Richardson—1920 (Offg.) 1922-28.
A. Macdonald—1928-36.
R. Wolfenden—1936-38.
Dr. A. H. Pandya—1939-43.
C. V. Miller (Offg.)—1943-45.
N. N. Sen—1945-49.
Dr. S. R. Sengupta—1949-55.
R. G. P. S. Fairbairn—1955-56.
A. C. Roy—1956-

HEADS OF DEPARTMENTS

Applied Mechanics Dept.

N. C. Bose—1948-50.
A. C. Roy—1950-55.

Architecture Dept.

G. K. Paknikar—1950.
Joseph Allen Stein—1953-54.
G. M. Hirsch (part time prof.)—1950-51.
J. B. E. Moreton (part time prof)—1950-51.
H. Rahman (part time prof.)—1950-51.
Gopal Ghosh (part time prof.)—1950-51.

Botany

Gage, A. T. (Capt.)—1899-1906.
Bruhl, P. J.—1908.

Chemistry Department

William Tate—1897-1904, 1907-10, 1912-13.
E. R. Watson (Offg.) Supernumerary)—1905-06, 1908.
Dr. O. K. Burger (Offg.)—1911.
R. N. Sen (Offg.)—1914-15, 1917-18.
W. Saunders—1916-21.
Dr. P. Niogi (Offg.)— 1922-25.
K. C. Chakravarty (Offg.)—1925-27.

Chemistry and Metallurgy Dept.

N. N. Sen—1927-49.
Dr. A. K. Mallick—1949-50.
Dr. W. Baukloh—1950-52.
Dr. E. Weingartner—1950-51.
Dr. G. P. Chatterjee—1953.

Civil Engineering Dept.

Lt. E. C. S. Williams—1856-58.
Major G. Chesney—1859-60.
Major W. E. Warrand—1861.
Major J. G. Medley—1862.
T. Martin—1863-64.
J. W. Galwey—1865.
M. H. Ornsby—1866.
F. Hill—1867-68.
A. M. Scott—1869-75.
S. F. Downing—1876-79.
J. S. Slater—1880-90, 92-98.
F. O. Oertel—1891.
B. Heaton—1889-1904.
W. B. Bucknil (Offg.)—1904.
Surendra Kumar Basu (Offg.) 1905.
T. H. Richardson—1906-10, 1912-20.
T. Terrell (Offg.)—1911.
D. R. Remfry (Offg.)—1921.
T. H. Richardson—1922-26.
F. W. Allum—1927-28.
L. H. Swain (Offg.)—1928-29.
C. V. Miller—1930-45.
P. B. Ghosh—1945-49.
Dr. B. Set—1949-50.
K. Roy—1950-53.
K. C. Roy—1953.

Dyeing and Tinctorial Chemistry Dept.

R. N. Sen—1911-16.

Electrical & Mechanical Eng. Dept.

W. H. Everett—1902-10.
S. K. Dutt (Offg.)—1911-12.

Electrical Engineering Department

B. C. Gupta—1913-21 (Offg.), 1922-31.

J. D. Chowdhury—1931-33.
M. R. Sengupta—1934-44.
A. K. Das (Offg.)—1944-50.
K. S. Rane (Offg.)—1950-53.
S. N. Roy—1953.

Mathematics Dept.

Mahendra Lall Shome—1856.
H. Scott Smith—1857-64.

(Also Prof. of Natural Philosophy and & Photography)

S. Lobb—1865.
W. Griffiths—1876.
M. Mowat—1877.
J. Gilliland—1878-90.
G. W. Kuchler—1891.
A. Macdonell—1892-1900.
Dr. C. E. Cullis—1901-02, 1904 and 1906-08
C. W. Peake—1903.
F. Turner—1905.
O. P. Monckton—1909-10.
Dr. H. A. P. De. Sadow Pittard—1911-13.
J. M. Bose—1927-34.
S. N. Das (Offg.)—1933-36.
Dr. S. R. Sengupta—1936-42, 1944-45.
B. B. Sen—1943, 1945-50.
Dr. S. K. Chakravarty—1950.

Mechanical Engineering Dept.

A. J. Raynor—1913.
C. A. King—1914-18.
A. Macdonald (Offg.)—1919.
R. Wolfenden—1921-28.
A. Watson—1928-30.
J. Riffkin—1930-36.
Md. A. M. Ahmed—1936-37.
R. G. P. S. Fairbairn—1937-47, 1950-55.
A. C. Roy—1947-50.

Mining Engineering Dept.

E. H. Roberton—1906-14, 1916-20, 1922-24.
H. C. Read—1915, 1924-26.
J. Thomas (Offg.)—1921.
A. P. Veale—1927.
H. C. Read—1928.

Physics Dept.

A. C. Chakravarti—1927-42.
Dr. A. Haque—1942-46.
J. N. Chakravarti—1946-48.
B. K. Sen—1949.
Dr. H. Rakshit—1950-55.

Physics & Mathematics Dept.

A. Macdonald—1914-16.
S. N. Maitra (Offg.)—1917-23.
A. Macdonald—1923-25.
J. M. Bose—1926.

Physical Science

P. J. Bruhl—1892-12.

Training and Placement Dept.

S. C. Sen—1948-50.
A. S. Sen—1950.

Other Teaching Staff

Abul Mohsin Ahmed (Asst. Prof. M.E.)—1937-44. 1946-47.
Agarwalla, T. N. (Asst. Lectr. Hindi)—1952.
Ambarali (Demonst. C.E.)—1946-47.
Ayyar, S. Subramania (Sr. Research Scholar)—1954-55.
Bagchi, B. (Asst. Prof. M.E.)—1936-38.
Baidya, N. R. (Sr. Scholar Physics)—1954-55.
Baishya, Narayan (Demonst.)—1953-55.
Banerjee, A. K. (Lectr.in Geology)—1936-37.
Banerjee, Bhawani Sankar (Physics) Offg.—1915.
Banerjee, Bibhuti Bhusan (Math.) Offg.—1911.
Banerjee, Birendra Chandra (Sr. Research fellow in Math.)—1952-53.
Banerjee, Birendra Nath (Asst. Mech. Lab. Later Demonst. & Lec.)—1922-53.
Banerjee, B. R. (Asso. Prof. Met.)—1951-52.
Banerjee, Brajo Kishore (Offg. Asst. Chem. Lab.)—1919-21.
Banerjee, D. (Asso. Asst. Prof. in Mech.)—1950.
Banerjee, H. (Lectr. in Elec. Engg.)—1953.
Banerjee, Hiren Chandra (Sr. Research fellow)—1953-55.
Banerjee, K. C. (Rai Saheb) (Lectr. San. Engg.)—1933, 1937-38.
Banerjee, Kali Pada (Teacher)—1904.
Banerjee K. K. (Lectr. in Drg.)—1950.
Banerjee, Nagendra Nath (Gymnast. Teacher)—1895-1907.
Banerjee, Nagendra Nath (Math.)—1911-28.
Banerjee, Nirmal Chandra (Mining)—1914-18.
Banerjee, R. N. (Asst. Prof. Elec. Engg.)—1948-50.
Banerjee, S. K. (Lab. Asst. Chem)—1943-45.
Banerjee, T. K. (Lectr. Civil Engg.)—1947.
Barlett, J. T. (Prof. Drg.)—1880-93.
Baruya, G. L. (Sr. Res. Scholar Mech. Engg.)—1954-55.
Basak, G. C. (Asst. Prof. Fuel Chem.)—1950.
Basu, Falguni (Research Scholar and Asso. Lectr.) —1952-54.
Basu, J. (Research Scholar Elect. Engg.)—1951-55.
Basu, Pramatha Kumar (Lectr. Civil Engg.)—1919.
Basu Roy, B. N. (Lt.) (Physical Instructor)—1947.
Bhattacharjee, J. (Lab. Asst.)—1944-47.
Bhattacharya, Khetar Nath (Survey Engg.)—1861, 1863.
Bhattacharjya, Anileswar (Asst. to Prof. of Training and Placement)—1954-55.
Bhattacharya, I. B. (Instr. Mining)—1926-28.
Bhattacharjya, Surendra Nath (Teacher)—1893.
Bhattacharjee, Amitava (Demonstr. Mech. Engg.)—1953.

Bhattacharjee, S. K. (Lectr. Civil Engg.)—1953.
Bhowmick, A. K. (Demonstr.)—1951-53.
Bose, A. K. (Lectr. Appl. Mech.)—1950-51.
Bose, Girish Chandra (Chem. & Physics)—1897-1900
Bose, N. C. (Lectr. later Asst. Prof. Appl. Mech.) —1942-47, 1950-53.
Bose, Narayan Das (Asst. Physical Lab.)—1919.
Bose, R. K. (Research Scholar Chem. & Met.)—1951-53.
Bose, S. K. (Demonstr. Appl. Mech.)—1950-55.
Bose, Sarat Chandra (Physical Sc.)—1897-1900.
Bose, Surendra Kumar (Asst. Prof. Drg.)—1892-1912.
Bose, Tulshi Charan (Lab. Asst. later Prof. Mech. & Lectr. Math.)—1908-24.
Byers, P. W. (Teacher, later Instr. C. E.)—1894-1907, 1909-17.
Chakravarti, Jitendra Nath (Asst. Elec. Lab. later Demons. of Physics, later Lec. Physics)—1918-49.
Chakravarti, J. M. (Physical Instructor)—1951-52.
Chakrabarti, Kamala Charan (Chemistry)—1911-32.
Chakrabarti, K. C. (Physical Instructor)—1954-55.
Chakraborti, Nabo Kumar (Teacher)—1891-92.
Chakravarti, Nisa Nath (Asst. Lab.)—1927-36.
Chakravarti, Purnendu (Teacher)—1897.
Chakravarti, Hrishi Kesh (Draftsman)—1916-47.
Chakravarti, N. (Demonstr. Chem.)—1934-35.
Chakravarti, K. T. (Foreman Elect. Engg.)—1936-44.
Chakravarti, D. C. (Asst. Lab.)—1936-37.
Chakravarti, B. (Demonstr. Mech.)—1948-50.
Chakravarti, A. K. (Lectr. C. E.)—1947.
Chakravarti, S. R. (Asst. Prof. Mech. Engg.)—1947-50.
Chakravarti, Ganesh (Math.)—1952-53.
Chakravarti, Kamada Ch. (Demonstr. for Phys.)—1929-30.
Chakravarti, A. C. (Lectr. in Civil Engg.)—1948-51.
Chakravarti, S. K. (Asst. Prof. Math.)—1950.
Chatterjee, Baidya Nath (Teacher)—1898.
Chatterjee, J. N. (Demonstr. Phys. Lad.)—1911-18.
Chatterjee, Sanat Kumar (Math.)—1914-16.
Chatterjee, M. K. (Lectr. Engg.)—1945-47.
Chatterjee, P. N. (Asst. Prof. Appl. Mech. later Asst. Prof. Civil Engg.)—1950.
Chatterjee, B. (Dr.) (Asst. Prof. Chem.)—1950—.
Chatterjee, A. K. (Lectr. Met.)—1953-54.
Chatterjee, G. P. (Dr.) (Asst. Prof. Chem. & Met.)—1950-52.
Chatterjee, T. K. (Demonstr. C. E.)—1954-55.
Chatterjee, R. C. (Demonstr. C. E.)—1954-55.
Chatterjee, M. K. (Lectr. Eng.)—1948-55.
Chatterjee, B. (Asst. Prof. in Chem. & Met.)—1950.
Chatterjee, P. K. (Lectr. Phycs.)—1950.
Chatterjee, K. K. (Asst. to Prof. in-charge) Trg. & Place—1950-51.
Chowdhury, N. K. (Lectr. Economics)—1945-47.
Chowdhury, Kumud Nath (Chem.)—1902.
Chowdhury, A. K. (Demonstr. & Appl. Mech.)—1952.
Chowdhury, S. K. (Asso. Lec. Appl. Mech.)—1952.
Clegg, E. L. (Part time Lect. in Geology)—1928-30.
Cloulsow, A. L. (Part time Lectr. in Geology)—1930-32.
Copeland, C. R. (Instr. Mech. Drg. later offg. Supdt. Workshop)—1921-47.
Cuerdon, F. J. (Instr. Survey)—1908-17.
Das, Khagendra Chandra (Chemistry)—1914.
Das, Surendra Nath (Teacher, later Lec. C. E.)—1907-18.
Das, A. K. (Demonstr. later Asst. Prof. E. E.)—1933-44.
Das, N. N. (Asst. Lab.)—1933-37.
Das, P. K. (Demonstr. Appl. Math.)—1950.
Das, P. P. (Demonstr. & Lectr. Met & Chem.)—1948
Das, N. B. (Draftsman)—1950-55.
Das, Sushil Kumar (Demonstr. E. E.)—1953-54.
Das, P. N. (Asso. Lectr. Physcs.)—1950.
Das, M. N. (Res. Asst. Chem. & Met.)—1951-52.
Das, T. K. (Sr. Res. Scholar Mech. Engg.)—1954-55.
Das, Suresh Chandra (Demonstr. C. E.)—1953-55.
Das Gupta, C. R. (Physical Instructor)—1945-47.
Das Gupta, N. B. (Demonstr. in Drawing)—1947.
Das Gupta, S. P. (Demonstr. Geology)—1950-55.
Das Gupta, Subodh Ch. (Offg., Lect. in Math.)—1929-30.
Das Gupta, S. C. (Asst. Prof. in Chem. & Met.)—1953.
Das Gupta, Suresh Chandra (Demonstr. Civil Engg.) —1953-54.
Das Gupta, K. N. (Lectr. C. E.)—1950-51.
Das Gupta, N. N. (Demonstr. Drg.)—1953-54.
Das Gupta, K. K. (Demonstr. Drg.)—1950-51.
Das Gupta, M. L. (Asst. Prof. Elect. Engg.)—1953.
Das Gupta, N. C. (Asso. Lectr. Mech. Engg.)—1950.
De, A. K. (Asso. Asst. Prof. Town & Region Planning)—1950.
De, J. C. (Demonstr. Civil)—1948-52.
Dongre, R. M. (Demons. Drg.)—1952-55.
Dhar, B. (Dr.) (Lectr. in Economics)—1950.
Downing, S. F. (Asst. Prof. Civil)—1870-75.
Dutt, Adhar Lal (Offg. Teacher)—1905-07.
Dutt, D. D. (Agriculture)—1903-08.
Dutt, Bhaba Tosh (Farm Overseer)—1906-08.
Dutt, Tarak Nath (Math.)—1861-63.
Dutt, Dwarka Nath (Asst. Lectr. Drg.)—1879-85.
Dutt, D. N. (Asst. Prof. Civil)—1934.
Dutta, A. N. (Asso. Lectr. Math.)—1950.
Dutta, B. K. (Asso. Asst. Prof. App. Mech.)—1950.
Dutta, N. K. (Demonstr. Civil)—1947-53.
Dutta, N. C. (Demonstr. in Mech.)—1951-52.
Dutta, N. (Electr.)—1947.
Dutta, S. K. (Demonstr. Mech. Engg.)—1952-53.
Espino, F. Del (Offg. Foreman Instructor)—1918.
Francies, J. B. (Supdt. Lectr. Phys. & Chem. Asst. Prof. Drg.)—1906-28.

Ganguli, P. C. (Asst. Prof. Elec.)—1944-46.
Ganguli, Prafulla Chandra (Asst. Prof. Mech. Engg.) —1919, 1927-35.
Ganguli, Purna Chandra (Asst. Prof. Mech. Engg.)— 1920-34.
Ganguli, S. C. (Lab. Asst. later Lectr. Math.)—1936.
Ganguli, R. (Research Asst. Chem. & Metl.)—1953.
Ganguli, R. M. (Demonstr. Math.)—1953-55.
Ghosh, Baroda Prosad (Physics Sec.)—1891.
Ghosh, Gopal Chandra (Lab. Asst.)—1904-06.
Ghosh, Ram Ranjan (Teacher)—1908-28.
Ghosh, S. N. (Elec. Engg.)—1911-15.
Ghosh, Surendra Kumar (Teacher)—1905.
Ghosh, Surendra Nath (Asst. Prof. Phy.)—1901-03.
Ghosh, N. C. (Asst. Prof. Math.)—1924-28.
Gilmore, C. (Drg.)—1880.
Ghosh, Nagendra Nath (Tinc. Chem.)—1911-16.
Ghosh, P. B. (Lectr. later Asst. Prof. Civil)—1927-47.
Ghosh, Tarak Das (Offg. Demonstr. Chem.)— 1919-21.
Ghosh, Prakash Chandra (Asst. Mining Deptt.)— 1919-23.
Ghosh, R. R. (Lectr. Civil Engg.)—1934-35.
Ghosh, K. R. (Lectr. Civil Engg.)—1941-44.
Ghosh, S. K. (Asst. Prof. Mech. Drg.)—1945-47.
Ghosh, A. K. (Lectr. Math.)—1947.
Ghosh, P. C. (Demonstr. Met. & Chem.)—1950-55.
Ghosh, J. N. (Demonstr. Mech. Engg.)—1953-55.
Ghosh, H. N. (Asst. to Prof. in-charge of training & Placement)—1953-54.
Ghosh, R. R. (Teacher in Civil E.)—1927-33.
Ghosh, B. G. (Sr. Research Scholar Mech. Engg.)— 1954-55.
Ghosh Dastidar, A. (Act. Lectr. in Civil Engg.)— 1953.
Gordon, H. T. (Lt.) (Constn. Design)—1859-60 & 1862.
Grant, C. (Drg. Master, later Prof. of Drg.)—1859-79.
Griffiths, W. (Asstt. Prof. of Math.)—1870-75.
Griffiths, W. T. (Mining Instructor)—1909-10.
Guha, Radha Raman (Teacher)—1891.
Guha, S. N. (Physical Instructor)—1951.
Gupta S. (Asst. Prof. Elec. Engg.)—1944-45.
Heaton, B. (Surveying)—1892-98.
Hills, G. F. (Lieut.)—(Construction, Design & Surveying)—1863.
Hobson G. (Part time Lect. in Geology)—1930-31.
Jana, S. C. (Demonstr. in Drawing)—1951-54.
Kabiruddin Mondal (Lectr. in Civil Engg.)— 1937-47.
Kar, Tulshi Das (Physical Science)—1904-12.
Kar, H. (Physical Instructor)—1947-52.
Kar, P. (Lec. in Geol.)—1952-53.
Kirtikar, K. A. (Lectr. Arch.)—1950.
Kundu, Amrita Lal (Draftsman)—1914-28.
Lahiri, A. K. (Research Asst. in Chem. & Met.)— 1954-55.
Maitra, S. N. (Asst. Prof. in Physics &Math) 1917-22 (Offg.), 1922-25.
Mitra, Bhupendra Nath (Ltr. Geo.)—1940-52.
Mazumdar, K. K. (Asst. Lab. Phy. later Demonstr. in Phy.)—1943-44, 1948.
Mazumdar, A. K. (Asso. Lectr. in Civil Eng.)—1950.
Mazumdar, A. K. (Demonstr. Drg.)—1947-50.
Maulavi Qasimali Mansuri (Chem.)—1917-18.
Mitra, Upendra Nath (Asst. Phys. Science, Chem.)— 1892-10.
Mitra, P. C. (Asst. Prof. in Civil Engg.)—1947-49.
Mitra, Birendra Nath (Chem.)—1911-15.
Mondal, Rash Behari (Instr. Mine Surveying)— 1920-26.
Mookerjee, Basanta Kumar (Gymnas. Teacher)— 1894.
Mookerjee, Hari Charan (Teacher)—1891-97.
Mookerjee, N. G. (Agriculture)—1899-02.
Mookerjee, Dhirendra Nath (Phy. Lab.)—1913-23.
Mookerjee, Subodh Kumar (Lectr. Civil)—1920.
Mookerjee, Jogesh Chandra (Asst. Lab.)—1927.
Mookerjee, A. (Demonstr. Appl. Mech.)—1954-55.
Mookerjee, S. C. (Lectr. Arch.)—1951.
Mookerjee, S. K. (Asst. Prof. in Civil Engg.)—1950.
Mookerjee, P. N. (Lectr. in Civics & Eco.)—1951.
Mookerjee, S. J. (Demonstr. later Lectr. Mech. Engg.) —1951.
Mookerjee, S. C. (Asst. in Phys.)—1953-55.
Mukherjee, Pravat Charan (Res. Scholar Chem. & Met.)—1952-53.
Mukherjee, A. K. (Lectr. in Civil Engg.)—1951.
Mukherjee, Jayanta Kumar (College Res. Fellow Chem. & Mech.)—1954-55.
Mallick, Matichand (Res. Asst. Phys.)—1952.
Md. S. Fazlar Rahaman (Draftsman)—1923-41.
Md. Abdul Jabber (Asst. Prof. Civil)—1934-36.
Md. Khayar Ahmed Kamran (Lab. Asst. later Lec. Chem. & Asst. Prof. of Chem.)—1934-47.
Md. A. Afzal (Lecturer in Civil)—1936-37.
Neogi, Bibhuti Bhusan (Asst. Chem. Lab.)—1922-26.
Neogi, Manmotha Nath (Asst. Chem. Lab.)—1917-20.
Neogi, A. K. (Lectr. Civil)—1936-37.
Neogi, N. C. (Lectr. Fuel Chem.)—1950.
Newman, C. V. (Math.)—1916-45.
Pani Kar, G. K. (Asst. Prof. Arch.)—1953-54.
Parkin, A. E. (Capt.) (Construction & Design)—1861.
Pakton, J. H. (Asst. Prof. Civil Engg.)—1934-35.
Paul, P. L. (Jr. Re. Asst. Mech. Engg.)—1954-55.
Paul S. N. (Demonstr. Drg.)—1951-54.
Paul, R. C. (Lectr. Elec. Engg.)—1950.
Paria, G. (Demonstr. Math.)—1950-52.
Palit, Asoke (Research Asst. in Physics)—1951-52.
Pani, S. S. (Sr. Research Seh. in Chem. & Met.)— 1954-55.
Rane, K. S. (Asst. Prof. Elect. Engg.)—1950-55.
Ray, Kura Ram (Teacher)—1903.
Ray, S. (Asst. Lectr. Geo.)—1953-54.
Roy, Satyendra Nath (Asst. Physical Lab.)—1925-28.

Roy, S. N. (Demonstr. Elec.)—1927-28.
Roy, S. K. (Demonstr. Phys.)—1927-28.
Roy, B. J. (Demonstr. Elec.)—1933-35.
Roy, B. B. (Lectr. Chem.)—1943-44.
Roy, J. C. (Mech. Demonstr.)—1949-52.
Roy G. C. (Demonstr. Arch.)—1952.
Roy, A. N. (Dr.) (Res. Fellow)—1950-52.
Roy, M. N. (College Res. Fellow)—1954-55.
Roy, Amal Kumar (Demonstr. Mech. Engg.)—1953-55.
Roy, G. C. (Demonstr. Mech. Engg.)—1949-52.
Roy, Satya Brata (Demonstr. Geol.)—1952-53.
Roy Chowdhury, M. N. (Physical Instructor)—1947-48.
Roy Chowdhury, H. L. (Lec. Chem.)—1944-50.
Roy Chowdhury, K. P.—1930-31.
S. K. Ahmed (Games Master)—1946-47.
Safir Rahman (Demonstr. Civil Engg.)—1946-47.
Saha, Dwija Prasanna (Draftsman)—1911-13.
Sanyal, A. K. (Asst. Prof. Drg.)—1947.
Sarkar, Syama Charan (Draftsman)—1911-15.
Sarkar, Dhrubendra Nath (Asst. Lab. later Demonstr.)—1927-55.
Sarkar, Dina Bandhu (Sr. Res. Fellow Geophysics)—1953-55.
Sarkar, D. N. (Lect. Math. later Demonstr. Elect. Engg.)—1945-55.
Sarkar, S. P. (Demonstr. Drg.)—1953-54.
Sarkar, D. C. (Lectr. Civics & Econ.)—1953-55.
Sarkar, Bishnu Deb (Res. Asst.)—1951-52.
Sarkar, D. N. (Research Asst. Geo. Phy.)—1953-55.
Sarkar, Sailendra Kumar (Jr. Res. fellow)—1953-54.
Sarkar, Chunilal (Teacher)—1897-1926.
Scott, A. M. (Asst. Prof. Civil)—1865-68.
Sen, Kali Naryan (Teacher)—1899-1906.
Sen, Panna Lall (Lab. Asst.)—1907.
Sen, Hemanta Kumar (Draftsman later Instr. Mine Surveying)—1948-50.
Sen, B. K. (Demonstr. of Phys.)—1928-33.
Sen, Joytir Ranjan (Demonstr. Appl. Mech.)—1953-54.
Sen, Narendra Nath (Asst. Prof. Mech.)—1914-21.
Sen, Brajendra Kishore (Asst. Lab. Phycs.)—1926-28.
Sen, N. R. (Demonstr. Chem.)—1934.
Sen, Shama Pada (Lect. Appl. Mech.)—1953-55.
Sen, D. B. (Lectr. Arch.)—1950-51.
Sen, P. K. (Res. Asst. Chem. & Met.)—1954-55.
Sen, Sankar Kumar (Res. Schl.)—1951-53.
Sen, S. K. (Lec. Eng. Current Orient.)—1952-53.
Sen, Shama Pada (Sr. Res. Fellow)—1952-53.
Sen Gupta, Dilip (Sr. Res. Schl. Chem. & Met.)—1952-53.
Sen Gupta, A. M. (Lec. Math.)—1929-55.
Sen Gupta, D. L. (Sr. Res. Scholar Math.)—1952-55.
Sen Gupta, Bijoy Krishna (Chem.)—1903.
Sen Gupta, S. R. (Lectr. C. E.)—1935-37.
Sen Gupta, N. B. (Demonstr. Drg.)—1950-51.
Seth, B. (Dr.) (Lec. Civil Engg.)—1945-48.
Shaw, R. W. F. (Phy. Sc.)—1892-1905.
Shome, S. C. (Asst. to Prof. Training & Placement)—1950-51.
Shome, S. C. (Asst. Res. Chem. & Met.)—1953-54.
Shome, S. C. (Asst. to Prof. Training & Placement)—1951-53.
Shome, K. C. (Asst. Res. Chem. & Met.)—1953-55.
Sherwill, N. S. (Capt.) (Survey Drg.)—1856-62.
Slater, J. S. (Asst. Prof. Civil)—1876-79.
Smith, E. Arundel (Offg. Prof. Engg.)—1900.
Sinha, A. K. (Demonstr.)—1951-52.
Sinha, G. L. (Demonstr. Appl. Mech.)—1953-54.
Sinha, H. S. (Civil Engg.)—1953-54.
Sinha, K. P. (Sr. Res. Scholar Mech. Engg.)—1954-55.
Tandon, R. N. (Demonstr. Drg.)—1950-51.
Tikku, P. K. (Sr. Res. Scholar)—1953-54.
Turubull (Drawing)—1917-18.
Varik, K. N. (Physical Instructor)—1947-51.
White, N. (Surveying)—1898.
Yakub Ali (Lab. Asst. Phy.)—1937-43.

WORKSHOP

Ballantine, G. R. (Foreman Instructor)—1902-1928.
Beale, W. F. (Foreman Instructor)—1922-26.
Bhanja, A. K. (Foreman Instructor)—1950.
Blazey, W. (Foreman Instructor)—1902, 1904-1907.
Buruie, A. K. (Foreman Instructor)—1896-1914.
Chakravarty, H. N. (Foreman Instructor)—1952.
Clapp, E. (Foreman Instructor)—1928-41.
Dey, J. C. (Foreman Instructor)—1947-48.
Dey, N. C. (Foreman Instructor)—1947-54.
Dutt, S. K. (Supdt. of Workshop Offg.)—1911-12.
Everett, W. H. (Workshop Supdt.)—1902-1910.
Fridel, J. D. (Foreman Instructor)—1922-44.
Fouracres, C. (Supt. of Workshop)—1880.
Ghosh, S. (Foreman Instructor)—1951-52.
Herrenkohl, A. Von. (Foreman Instructor)—1903-1915.
Karmakar, S. N. (Foreman Instructor)—1948.
Landeman H. G. (Foreman Instructor)—1916-41.
King, C. A. (Supdt. of Workshop)—1914.
Lawrence, W. G. (Foreman Instructor)—1892-1902.
Lawrence, G. W. (Foreman Instructor)—1909-18.
Lewis, George (Foreman Instructor)—1923-27.
M. N. Zaman (Asst. Foreman)—1916-41.
Macdonald, A. (Supdt. of Workshop)—1919-20.
Mitra, B. C. (Foreman Instructor)—1915-48.
Mukherjee, B. B. (Foreman Instructor)—1942-55.
Mylne, W. (Foreman Instructor)—1922-21.
Paxton, J. H. (Foreman Instructor)—1927-33.
Raynor, A. J. (Supdt. of Workshop)—1913.
Roy, S. C. (Asst. Foreman & Latter Foreman)—1927.
Sen Gupta, S. K. (Foreman Instructor)—1950.
Shaw, B. (Foreman Instructor)—1903.
Toogood, J. H. (Ex-Engineer, Calcutta Workshop Division)—1891-92.
Turnage, H. A. (Foreman Instructor)—1917-18.

Vail, T. C. (Foreman Instructor)—1950.
Warde, C. P. (Ex-Engineer, Calcutta Workshop Division)—1893-95.
Williams, P. G. (Foreman Instructor)—1915-17.

VISITING LECTURERS

Accounts

G. Basu—1927, 1933-34, 1936-37, 1940-41, 1950-54.

Chemistry and Metallurgy

Dr. A. K. Bose—1950-51.
Dr. D. P. Chatterjee—1950-52 and 1953-54.
Dr. P. B. Sarkar—1950-55.
Dr. H. K. Acharyya—1950-51.
T. G. Banerjee—1950-51, 1952-55.
T. Banerjee—1950-52, 1953-54.
G. Saches—1950-51.
H. K. Mitra—1950-55.
D. N. Sanyal—1950-55.
D. N. Sharma—1950-51, 1952-53.
D. V. Paranjpye—1950-51, 1952-53.
S. Das Gupta—1950-52, 1953-55.
Dr. R. K. Dutt Roy—1951-53.
Hans Benesch—1951-52.
Dr. Schrader—1951-52, 1953-55.
S. N. Bose—1952-53.
Dr. Jagat Ram—1952-55.
P. G. Roy—1953-54.
S. Siswanathan—1953-55.
N. N. Sen—1953-54.
S. S. Gill—1953-54.
S. K. Nanavati—1953-54.
P. G. Roy—1954-55.
Dr. N. Das Gupta—1954-55.
Dr. A. Lahiri—1954-55.
Dr. E. H. Bucknal—1954-55.
Dr. Dhanbora—1954-55.

CIVIL ENGINEERING

Dejoux—1880.
W. I. Keir—1919-23.
W. J. Berry—1920-23.
S. N. Ghosh—1920-28.
Rai Saheb K. C. Banerjee—1927-28, 1940-41.
G. I. St. & C. Sedgley—1920-21.
D. N. Sen Gupta—1923-28.
Rai Bahadur A. N. Mitra—1937-38, 1940-41.
P. N. Banerji—1920-28.
K. B. Roy—1937-38.
S. K. Sen—1949-50.
D. Mukherji—1949-50.
N. Siddhanta—1949-50.
K. Krishnamachari—1949-50.
S. N. Chakravarty—1949-50, 1950-51.
J. K. Banerjee—1949-52.
S. N. Gupta—1949-52.
B. N. Chowdhury—1949-50.
Radharaman Sinha—1949-50.
A. K. Banerjee—1949-50.
A. K. Bose—1949-50.
N. K. Roy—1950-51.
G. S. Madam—1950-52.
S. N. Majumdar—1950-51.
I. B. De—1950-51.
K. A. Char—1950-51.
P. C. Bose—1950-51.
B. N. Chowdhury—1950-55.
R. Sinha—1950-52.
H. C. Mukerji—1950-52.
Akshay K. Bose—1950-51.
M. Ganapati—1950-51.
A. K. Banerjee—1950-51.
Sudhananda Chatterjee—1950-51.
Dev Kumar Chakravarti—1950-55.
Dr. Purnendu Sen—1950-51.
Subramanyan—1950-51.
R. N. Chatterjee—1951-52.
P. Chakravarty—1951-52.
S. K. Bhattacharyya—1951-52.
J. Glass Hans—1951-52.
J. R. H. Otter—1951-52.
Aukshoy Bose—1951-52.
Bimal Nath Chatterjee—1951-52.
Anil Kumar Roy—1951-52.
S. K. Chakravarti—1951-52.
K. Roy—1952-53.
T. Brown—1952-53.
N. C. Roy—1952-53.
T. N. Roy—1952-53.
Dr. A. Carbone—1952-53.
S. S. Dutt—1952-53.
S. C. Biswas—1952-55.
A. K. Datta—1954-55.
A. K. Bose—1954-55.

Electrical Engineering

Sanat Kumar Sen—1949-53.
Debiprosad Ganguly—1949-54.
H. R. Verma—1949-50.
S. Swayambhu—1949-50.
R. Rajagopalachari—1949-51.
A. N. Mitra—1950-54.
M. N. Sardana—1950-53.
Dr. H. C. Bowker—1950-53.
V. Venugopalan—1950-51.
G. C. Goswami—1950-51.
S. N. Mukherjee—1950-51, 1952-53.
N. N. Sen Gupta—1951-54.
A. K. Ghosh—1952-54.
P. K. Bhattacharyya—1952-53.
S. P. Deb—1953-54.
C. D. Iyer—1953-54.

Mechanical Engineering

K. Ramachandran—1949-51.
D. M. Sen—1949-54.
J. K. Bose—1949-54.
K. K. Das Gupta—1949—54.
S. N. Sen Gupta—1949-54.
B. B. Ghosh—1949-53.
R. N. Banerjee—1949-52, 1953-54.
A. K. Dutt—1949-51.
J. Warren-Boulton—1949-54.
Paresh Ch. Guha—1949-50, 1951-52.
C. K. Halder—1950-53.
S. K. Guha—1950-54.
K. K. Kapani—1951-54.
S. P. Saha—1951-52.
D. P. Roy—1952-54.
S. Neogy—1952-54.

Town & Regional Planning

N. C. Bhattacharjee—1949-50.
G. M. Hirsh—1949-50.
J. B. E. Moreton—1949-50.
B. N. Chowdhury—1949-54.
J. N. Das Gupta—1949-54.
P. C. Bose—1949-50.
Dr. Nihar Ranjan Roy—1951-52.
H. Rahman—1951-53.
K. A. Kirtikar—1951-53.
D. B. Sen—1951-52.
Arun Banerjee—1951-52.
Promode Gopal Chatterjee—1951-54.
N. C. Bhattacharyya—1951-54.
D. P. Ghosh—1952-54.
Hans Glas—1952-54.
G. S. Dadarkar—1952-53.
Biswanath Banerjee—1952-54.
J. R. Talpade—1952-54.
M. V. Pradhan—1952-54.
W. I. Keir—1952-53.
Priya Guha—1952-54.
Sudhangsu Chowdhury—1952-54.
S. K. De—1953-54.
S. Bandopadhyay—1953-54.
S. K. Gupta—1954-55.
H. Mukherjee—1954-55.
B. K. Sen—1954-55.
Ratan Lal Sarkar—1954-55.

NATIONAL CADET CORPS.

4th Bengal Engineering Platoon

Captain C. C. Peters, Officer-in-charge—1950-51.
Subedar Ajmer Singh—1950-52.
C. H. M. Ujagar Singh—1950-53.
C. H. M. Amar Deo—1950-53.
C. H. M. Chinta Mani—1950-53.
Spr. Guman Singh—1950-52.
Capt. Nabh Kumar, O.C.—1951-52.
Capt. U. P. Misra, O.C.—1952-53.
2nd Lieut. Dr. S. K. Mookerjee—1952-55.
Subedar Ajaib Singh—1952-54.
Spr. Shyam Sundar—1952-53.
Capt. U. P. Misra, I.O.M. Engrs., O.C.—1953-55.
C. H. M. Sewa Singh—1953-55.
C. H. M. Rurda Singh—1953-55.
C. H. M. Raghu Parsad—1953-55.
Spr. Bhim Chandar—1953-55.

4th Bengal E. M. E. Unit

2nd Lieut. S. M. Chowdhury, Officer-in-charge—1950-51.
J. E. M. Harkasham Singh—1950-51.
C. H. M. Kartar Singh—1950-53.
Capt. A. Biswas, E.M.E., O.C.—1951-53.
Jam (Artz) Premchand Aind—1951-52.
C. H. M. Kanshi Ram—1951-52.
C.H.M., J. C. Sen—1951-55.
2nd Lieut. A. K. Majumdar, N.C.C.—1952-55.
2nd Lieut. P. K. Das, N.C.C.—1952-55.
Jam (Artz) M. C. Sen—1952-55.
C.Q.M.H. Jogindar Singh—1953-55.
Capt. S. P. Guha, E.M.E.—1953-55.
Hav. P. N. Bhowmick—1953-55.
C.Q.M.H. Khushal Chand—1953-54.
Nk./Dvr. N. K. Nair—1954-55.

OFFICE ESTABLISHMENTS

A. R. Mirjah (Librarian)—1943-47.
Akhteruddin Ahmed (Accountant)—1944-47.
Banerjee, S. K. (Office Supdt.)—1954.
Banerjee, Gobinda Chandra—1918-26.
Banerjee, J. N. (Clerk)—1951-52.
Banerjee, S. P. (Clerk3—1952.
Banerjee, T. P. (Caretaker)—1953.
Banerjee, Nagendra Nath (Librarian)—1904-1907.
Bagchi, Sri Ranjan (Accountant)—1911-26.
Basak, H. (Offg) (Clerk, Accountant)—1951-55.
Bhattacharjee, S. (Steno)—1950-54.
Bhattacharjee, N. (Asst. Librarian)—1947.
Bose, N. L. (Librarian, Asst. Clerk)—1949-51.
Chakravarty, Poorna Chandra (Hd. Clerk)—1904-10.
Chakravarty D. N. (Lib. Asst.)—1953-55.
Chakravarty, R. K. (Lib. Asst.)—1953-55.
Chakravarty A. (Clerk)—1953-55.
Chakravarty, K. P. (Steno)—1953-55.
Chakravarty, K. C. (Accountant) P. A. to Principal and later Registrar)—1938.
Chatterjee, Janaki Nath (Clerk)—1912-17.
Chowdhury, S. M. (Accountant, Later Head Clerk)—1938-46.
Chowdhury, B. B. (Clerk)—1953.

Chowdhury, Usha (Miss), Matron Ladies Hostel.—1950-51.
Das, D. K. (Steno)—1954.
Das, D. C. (Clerk)—1953.
Das, R. N. (Asst. Storekeeper)—1953-55.
Dutta Gupta, S. K. (Library Asst.)—1953-55.
Dutta, Hari Pada (Clerk)—1911-18.
Dutta, S. N. (Accountant)—1947-48.
Dutta, Lila (Mrs.) (Clerk)—1950.
Dutta, B. N. Asst. Librarian—1949-50.
Dutta, S. N. (Clerk)—1949-50.
Dutta, N. B. (Typist)—1950.
Dutta, D. N. (Asst. Lib.)—1949-55.
Das Gupta, N. (Clerk)—1951-52.
Falger, F. D. (Supdt. and Bursar)—1907-10.
Francies, J. B. (Office Supdt.)—1913
Ganguli, Ashutosh (Librarian)—1901-03.
Ganguli, Ashutosh (Cashier)—1911-16.
Ganguli, S. N, (Accountant)—1950-54.
Ganguli, H. K. (Clerk)—1951.
Ganguly, D. P. (Libra. Asst.)—1952-54.
Ghosh Bimal Kanti (Cashier)—1930-48.
Ghosh, Sarat Chandra (Storekeeper)—1911-26.
Ghosh, A. K. (Asst. Cashier)—1950.
Ghosh, P. K. (Clerk)—1952-55.
Ghosh, H. N. (Cash Sarkar)—1953.
Ghosh, D.—1951-52.
Ghosh, H. S.—1953.
Ghosh, K. M. (Typist)—1950.
Guha, Pabitra Kumar (Hd. Clerk)—1922-28.
Gupta, M. C. (Telephone Operator)—1952.
Gupta, S. K. (Libra. Assistant)—1954
Halder Haradhan (Clerk), (Offg. Librarian and Cashier)—1911-22.
Hazra, H. (Storekeeper, Clerk)—1936-51.
Janab, A. Jalil (Clerk)—1949-53.
Kar, M. (Clerk)—1951-52.
Maulavi Abdul Karim (Clerk)—1918.
Maulavi Abdus Sobhan Laskar (Clerk)—1933-37.
Maulavi Md. Maharekullah (Hd. Clerk)—1933-47.
Maulavi Abdul Jalil (Storekeeper, Account and Clerk)—1933-48.
Maulavi S. B. Rahaman, P.A. to Principal—1938-46.
Md. Azizuddin (Clerk)—1921-26.
M. A. Hakim (Sec. Clerk)—1937-46.
Md. S. A. Chowdhury (Typist)—1944-47.
Moitra, Mahendra Nath (Accountant)—1927-37.
Mitra, Napurasan (Chief Storekeeper)—1954.
Mitra, Jatindra Nath (Accountant)—1933-36.
Mondal, G. (Asst. Storekeeper)—1953.
Mondal, L. N. (Clerk)—1953-55.
Mukherjee, Jnan Chandra (Clerk)—1911-47.
Mukherjee, S. B. (Clerk)—1953.
Owen R. (P. A. to Principal)—1920-37.
Pail G. (Steno)—1950-51.
Parial, S. N. (2nd Clerk)—1952.
Patra, P. (Cashier & Storekeeper)—1944.
Roy, Srish Chandra (Hd. Clerk)—1911-21.
Roy, A. K. (Storekeeper & Chief St. Keeper)—1948-51.
Roy, J. N. (Hd. Clerk & Office Supdt.)—1947-50 & 1952-54.
Roy, N. N. (Clerk)—1953-54.
S. K. Ahmed (Accounts Clerk)—1937-41.
Samaddar, R. R. (Library. Asst.)—1952-54.
Sarkar, Ranga Lall (Clerk)—1911-17.
Sarkar, D. C. (Librarian)—
Sarkar, C. K. (Accountant and Office Supdt.)—1948-49 & 1950-52.
Saha, B. B. (Jt. Messclerk)—1954-52.
Sarkar, C. S. (Steno)—1952.
Sarkar, B. P. (Libry. Asst.)—1952-55.
Sen, Hem Chandra (2nd clerk & Hd. Clerk)—1911-36.
Sen, Nagendra Nath (Clerk & Librarian)—1914-26 & 1933-43.
Sen Gupta, S. K. (Clerk)—1951-52.
Sil, Nimai Chandra (Cashier)—1923-30.

MEDICAL ESTABLISHMENT
MEDICAL OFFICERS

Dino Bandhu Dutt (Asst. Surgeon)—1891-95.
Brajo Nath Shaha (Asst. Surgeon)—1986-1900.
Debendra Nath Dey (Asst. Surgeon)—1901-1902.
Gurunath Sen (Asst. Surgeon)—1903-04, 1906-14.
Kherode Chandra Chowdhury (Asst. Surgeon)—1905.
Rai Saheb Satish Chandra Bose (Asst. Surgeon)—1915-18.
Lt. Col. Waters E. E. (Consulting and Visiting Surgeon)—1919-20.
Madhu Sudan Mukherjee (Asst. Surgeon)—1919-26.
Lt. Col. Macgilchrist (Consulting & Visiting Surgeon)—1921-23.
Lt. Col. D. P. Goil (Consulting M.O.)—1923-27.
Aswini Kumar Das (Asst. Surgeon, M.O.)—1927-31.
M. N. Chatterjee (M.O.)—1931-36.
Lt. Co. K. S. Thakur (Consulting & Visiting M.O.)—1933-34.
P. K. Bhattacharyya (M.O.)—1936-38.
C. C. Banerjee (M.O.)—1938-41.
B. N. Chakravarti (M.O.)—1941-42.
H. N. Bagchi (M.O.)—1942-45.
A. H. Talukdar (M.O.)—1945-47.
I. B. Majumdar (M.O.)—1947-50.
R. P. Goswami (M.O.)—1950-51.
Captain S. N. Sahana (M.O.)—1951-55.
MEDICAL STAFF—
Chatterjee, Atul Chandra (Compounder)—1913-27.
Das, Ashutosh (Compounder)—1923-29.
Das, Radhaballav (Compounder)—1928-30.
Dutt, K. B. (Compounder)—1930-50.
Das, J. N. (Compounder)—1950.
Das, D. N. (Compounder)—1952.
Ghosh, Sital Chandra (Compounder)—1913-20.
Mondal, S. C. (Dresser)—1949.

MEDALIST & PRIZE WINNERS Etc.

UNIVERSITY GOLD MEDAL AND PRIZE

A University Gold Medal of the value of Rs. 100 is awarded to the candidate who heads the list of the 1st Division of the Bachelor of Engineering Examination.

Year	*Name of recipient*
1861	Dina Nath Sen, L.C.E.
1862	Ram Taran Mazumdar, L.C.E.
1876	Mohendra Nath Sen, B.C.E.
1891	Girish Chandra Das, B.E.
1892	Madhu Sudan Sen Gupta, B.E.
1893—1895	Not awarded
1896	Bhola Nath Banerjee, B.E.
1897	Purnendu Chakravarty, B.E.
1898	Not awarded
1899	Karuna Kumar Dutt-Gupta, B.E.
1900	E. E. Desbruslais, B.E.
1901	D. H. Remfry, B.E.
1902	Upendra Nath Kar, B.E.
1903	Probodh Chandra Bose, B.E.
1904	Surendra Nath Banerjee, B.E.
1905	V. Kanak Ratman, B.E.
1906	Bhupendra Nath Dutt, B.E.
1907	Lalit Chandra Sen Gupta, B.E.
1908	Harendra Krishna Banerjee, B.E.
1909	Sri Charan Bhattacharjee, B.E.
1910	Kali Charan Gui, B.E.
*1911—1912	Not awarded
1913	Kumud Bhusan Roy, B.E.
1914—1916	Not awarded
1917	Surjya Kanta Bhattacharjee, B.E.
1918—1925	Not awarded
1926	Nirmal Kumar Roy, B.E.
1927	Not awarded
1928	Bhupendra Nath Banerjee, B.E.
1929	Nares Chandra Basu, B.E.
1930	Mahima Ranjan Das De, B.E.
1931	Not awarded
1932	Ranajit Prosad Chanda, B.E.
1933	Ramballav Chakraborti, B.E.
1934	Syamapada Chaudhuri (Civil) Sudhindra Narayan Biswas (Mechanical)
1935	Bankim Chandra Ganguli, (Civil) James Ivan Raj, (Mechanical)
1936	Ramendra Nath Banerjee, (Electrical)
1937	Kalidayal Ganguli (Civil) Tinkari Ghosh (Mechanical) Indu Bhusan Basu (Electrical)
1938	Saral Kumar Sen (Civil) Amolak Ram Khosla (Mechanical) Suresh Chandra Banerjee (Electrical)
1939	Jitendra Nath Roy (Civil) Jagannath Batra (Mechanical)
1940	Debprasad Chatterjee (Civil) Rajendra Singh (Mechanical)
1941	Bijan Kumar Mitra (Civil) Gopinath Bhattacharjee (Mechanical)
1942	Sushil Kumar Samaddar (Civil)
1943	H. L. Archard (Civil) Bhupal Krishna Dutta (Mechanical)
1944	Binoy Kumar Banerjee (Civil) A. F. Augustine (Electrical) Durgadas Banerjee (Mechanical)
1945	Satyendra Kumar Ghosh (Mechanical) V. Subramaniam (Met.)
1946	A. A. Ezra (Civil) Arun Kumar Mukherjee (Mechanical)
1947	Khagendra Narayan Das Gupta (Civil) Amal Ranjan Ghosh Dastidar (Mechanical) Asit Chatterjee (Metallurgical)
1948	Biswanath Majumdar (Civil) Sukumar Das (Mechanical) Sankar Kr. Sen (Electrical)
1949	Nikhilesh Roy (Civil) Naresh Ch. Mazumdar (Electrical) Sati Prasad Das Gupta (Mechanical)
1950	Ratneswar Basu (Civil) Pulak Chandra Roy (Mechanical) Dilip Kr. Basak (Electrical) Sudhangshu Ranjan Pramanick (Metallurgical)
1951	Keshab Chandra Mukherjee (Electrical) Subir Nandy (Civil) Bijidendra Nath Ghosh (D.T.R.P.) Arun Kr. Seal (Metallurgical) Gobind Lal Sinha (Mechanical)
1952	Arun Kanti Basu (D.T.R.P.) Minoo Aga (Civil) Priyabrato Ghosh (Electrical) Amalendu Ganguly (Metallurgical)
1953	Dabbiru Rama Krishna Patnaik (D.T.R.P.) Prodyot Kumar Dutta (Civil) Dhruba Nath Roy (Mechanical) Madan Mohan Roy (Electrical) Subrata Ghosh (Metallurgical)
1954	Tarun Ch. Chatterjee (D.T.R.P.) Paritosh Kr. Mukherjee (Civil) Ajoy Lal Basu (Mechanical) Gokul Narayan Mujoo (Electrical) Dakshina Prasad Lahiri (Metallurgical) V. Sundareswaram (Architecture)
1955	Srikumar Ghosh (Civil) Kiranmay Ghattak (Mechanical) Kula Bhusan Kuri (Electrical) Jyotirmay Roy (Metallurgical) Biraj Kanti Datta (Architecture)

*First B.E. Examination by revised syllabus in 1911.

CIVIL ENGINEER CLASSES

Forbes Medal and Scholarship

Trust Fund in the hands of the Principal, founded in 1857 in memory of Major-General Forbes of the Bengal Engineers, late Master of the Calcutta Mint. Two scholarships, each of the monthly value of Rs. 10/-, tenable for one year, to be awarded on the results of the F. E. Examination to the two best students. From 1909, one scholarship is awarded on the results of the Intermediate Examination in Engineering combined with the worksop tests, tenable for two years.

Year	*Name of recipient*
1880	Bhusan Chandra Bandyopadhyay
	Kali Gopal Rudra
1881	Not awarded
1882	C. P. Warde
	Hari Prosad Ghosal
1883	W. A. E. Hanby
1884	Tarak Chandra Ghosh
	Hipo Thine
1885	Not awarded
1886	H. C. W. Martindell
	Hari Charan Mukhopadhyay
1887	Nagendra Nath Mukhopadhyay
	Rajendra Nath Mukhopadhyay
1888	Adhor Lal Chandra
	W. S. Bremner
1889	Mohindra Nath Dutt
	Haridas Gangopadhyay
1890	Giris Chandra Das
	Modhu Sudan Sen Gupta
1891	Ahindra Chandra Mukhopadhyay
	Amulla Kristo Bhattacharjee
1892	Syama Chandra De
	Pyari Charan Gupta
1893	Basanta Kumar Sen
	Srish Chandra Chakraburtty
1894	Amar Nath Das
	Romesh Chandra Das
1895	Bhola Nath Banerjea
	Pirthiraj Mukherjea
1896	Asutosh Guha
	Kissorie Mohan Ghose
1897	Satish Chandra Sen
	Mohini Mohan Chakravarti
1898	Koruna Kumar Dutt-Gupta
	Chander Seekhar Ray
1899	Tafazul Ahmad
	Kali Charan Nandi
1900	Upendra Nath Kar
	D. H. Remfry
1901	Manindra Nath Deb
	Rama Ranjan Ghosh
1902	Probodh Chandra Basu
	Sailendra Nath Banerji
1903	Surendra Nath Banerji
	Bhola Nath Sen
1904	Girindra Chandra Banerji
	Jitendra Kumar Das Gupta
1905	Panna Lal Sen
	Saradendu Roy
1906	Lalit Chandra Sen Gupta
	Kshitinath Ghosh
1907	Krishnendu Chandra Mazumdar
	Ansujit Mukherji
1908	Haripada De
	Adyanath Bose
1909	Kali Charan Gui
	A. J. King
1910	Bhawani Sanker Banerji
	(Granted on results of I. E. Examination)
1909	Provat Chandra Roy
1910	Prosad Das Sen-Gupta
1911	Kumud Bhusan Roy
1912	Suresh Chandra Chatterji
1913	Ananta Kumar Dutta
1914	Bhupendra Nath Mukherjee
1915	Suryya Kanta Bhattacharjee
1916	Narendra Nath Choudhuri
1917	Jiban Krishna De
1918	Surendra Kumar Nag
1919	Baishnav Das Sett
1920	Tinkori Mitra
1921	Abinash Chandra Chakravarti
1922	Ashutosh Dey
1923	B. H. Marley
1924	Bidhu Bhusan Chowdhury
1925	Amiya Nath Bose
1926	Md. Fazul Huq
1927	Anil Kumar Ghosh
1928	Kamal Krishna Bose
1929	Saroj Kumar Kanjilal
1930	Ranajit Prosad Chanda
1931	Ramballav Chakraborti
1932	Amiya Kumar Neogi
1933	Natabar Sidhanta
1934	Kamal Prasanno Roy
1935	Amitava Bose
1936	Saral Kumar Sen
1937	Jitendra Nath Ray
1938	Abul Moquith Ahmed
1939	Nirmal Kumar Nandi
1940	Santosh Kr. Bhattacharjee
1941	H. L. Archard
1942	Jagadish Chandra Ganguly
1943	Mihir Kumar Sarkar
1944	Bibhuti Bhusan Mallick
1945	Khagendra Narayan Das Gupta
1946	Biswanath Mazumdar
1947	Sibkinkar Talapatra
1948	Ratneswar Bose
1949	Keshab Chandra Mukherjee

Year	*Name of recipient*
1950	Minoo Aga
1951	Prodyot Kumar Datta
1952	Paritosh Kumar Mukherjee
1953	Srikumar Ghosh
1954	Karunamay Ghosh
1955	Amiya Kumar Basu.

SIBLEY SCHOLARSHIP

(Awarded by the Calcutta University)

(1) Every year one scholarship is awarded—one year for Civil Engineering and the next year for any one of the following branches of Engineering, *viz.*, Electrical, Mining, Mechanical and Metallurgical Engineering (to be awarded in rotation as far as possible), each of the value of Rs. 350/- per month and tenable in advanced countries overseas for one year.

(2) The scholarship is open to graduates in Engineering—Civil, Mechanical, Electrical and Metallurgical—of Calcutta University, and diploma holders of the Indian School of Mines of nor more than two years' standing, and it is awarded in order of merit on the results of the B. E. Examination of the Calcutta University or the Final Examination of the Indian School of Mines, Dhanbad, as the case may be, provided the candidate has passed the I. Sc. Examination of Calcutta University. The scholarship shall be tenable at an institution, Laboratory, Government department or engineering firm as may be approved by the University at the time of making the award.

(3) The University will issue advertisements inviting applications for this scholarship and will fix the date within which such application should be sent to the University. Each applicant will state in his application his academic qualifications and distinctions, the specific problem he proposes to investigate, and the institution or place where he proposes to work.

(4) The cost of passage, equipment, etc., or premium if any, is to be borne by the candidate himself. The candidate or his guarantor must deposit the return passage with the University before the candidate proceeds abroad.

(5) The scholar shall be required to submit a short report of his work every three months through the authorities of the institution or firm where he is working, and the continuance of the scholarship will depend on a satisfactory report being received by the University.

(6) The scholarship will be paid in four equal instalments each year on the submission of the certificate as stated in clause (5).

(7) The name of the scholar will be published in the calendar of the University.

(8) The scholar will be required to take up practical training or research within one year from the date of award.

(9) The scholar may, with the permission of the Syndicate, submit his work for the degree of Master or Doctor of Science or Engineering of a University but not for any scholarship, studentship or medal.

Year	Name of scholar			Branch of study
1895	Das, Romesh Chandra	...	...	Civil Engineering
1896	Lahiri Sarbaranjan	...	...	Do.
1899	Mukhopadhyay, Haran Chandra	...	...	Do.
	Biswas, Surendra Nath	...	...	Do.
1900	Pal, Basanta Kumar	...	...	Do.
1902	Stone T. A. F.	...	...	Do.
1929	Banerjee, Bhupendra Nath		...	Do.
	Ray, Ramendra Chandra		...	Do.
1930	Basu, Naresh Chandra	...	...	Do.
	Chakraborti, Phani Bhusan		...	Do.
1931	Das De, Mahima Ranjan		...	Do.
	Gupta, Sachindra Nath	...	...	Do.
1932	Jabbar Md. Abdul	...	...	Do.
	Banerjee, Jamini Kumar	...	...	Do.
	Maitra, Susilchandra	...	...	Do.
	Das, Sunil Ranjan	...	...	Mechanical Engineering
1933	Chandra, Ranajit Prasad	...	...	Civil Engineering
	Ghosh, Birendra Chandra		...	Do.
	Choudhury, Kumudranjan		...	Mechanical Engineering

Year	Name of scholar	Branch of study
1933	Chakrabarti, Ramabalav ...	... Civil Engineering
	Ghosh, Suchitkumar ...	... Do.
1934	Biswas, Sudhindra Narayan ...	... Mechanical Engineering
	Dutta, Syam Sundar ...	... Civil Engineering
	Das Gupta, Bibhuti Bhusan ...	... Do.
1935	Raj James Ivan ...	... Mechanical Engineering
1936	Ganguli, Bankim Chandra ...	... Civil Engineering
	Ray, Khaunish Chandra ...	... Do.
	Ghosh, Sisir Kumar ...	... Mechanical Engineering
	Banerji, Ramendra Nath ...	... Electrical Engineering
1937	Basu, Rabindra Nath ...	... Civil Engineering
	Ray, Kamalprasanna ...	... Do.
	Ghosh, Tinkari ...	... Mechanical Engineering
	Basak, Bireswar ...	... Do.
	Basu, Indu Bhusan ...	... Electrical Engineering
1938	Chatterjee, Pranab Kumar ...	... Civil Engineering
	Ray, Jyotsna Mohon ...	... Do.
	Dutta, Nirmal Chandra ...	... Mechanical Engineering
	Banerjee, Suresh Chandra ...	... Electrical Engineering
1939	Brahma, Hitendramohan ...	... Civil Engineering
	Chakrabarti, Bipranath ...	... Do.
	Mukherji, Debaprasad ...	... Mechanical Engineering
	Basu, Haridas ...	... Electrical Engineering
1940	Ray, Jitendranath ...	... Civil Engineering
	Singh, Rajendra ...	... Mechanical Engineering
	Sanyal, Pramodkumar ...	... Do.
	Biswas, Nirmalkumar ...	... Electrical Engineering
1941	Chatterjee, Debaprasad ...	... Civil Engineering
	Chowdhury, Bhutnath ...	... Electrical Engineering
1945	Banerjee, Durgadas ...	... Mechanical Engineering
1950	Ray, Nikhiles ...	... Civil Engineering
1951	Ganguli, Rabindranath ...	... Electrical Engineering
1952	Banerjee, Amitkumr ...	... Civil Engineering

SLATER MEMORIAL MEDAL

Awarded annually in memory of Mr. Slater's Principalship out of a fund raised by subscription among staff and students, to the student who secures the highest number of marks in Applied Mechanics and Graphics at the Annual Examination of the 3rd year Civil Engineer class.

1927 Niranjan Guha
1928 Krishna Chandra Bhattacharjee
1929 Sachindra Nath Gupta
1930 Probodh Chandra Ghosh
1931 Birendra Chandra Ghosh
1932 Ram Ballav Chakravarty
1933 Amiya Kumar Neogi
1934 Provas Kumar Mookerjee
1935 Rabindra Nath Basu
1936 Ranajit Kumar Banerjee
1937 Hitendra Mohon Brahma
1938 Jitendra Nath Roy
1939 Deba Prasad Chatterjee
1940 Bijan Kumar Mitra
1941 Md. Abdul Rashid
1942 H. L. Archard
1943 Amulya Kumar Sen Gupta
1944 Bhupatinath Chatterjee
1945 A. A. Ezra
1946 No award
1947 Khagendra Narayan Das Gupta
1948 Bijoy Gopal Datta
1949 Rajendra Lal Bhattacharjee
1950 Amiya Prasad Kayal
1951 Subir Nandy
1952 Minoo Aga
1953 Ashish Sen Gupta
1954 Paritosh Kumar Mukherjee
1955 Srikumar Ghosh
Manashkumar Mondal

HEMANTAKUMAR NAG MEDAL

Sm. Asalata Nag made over to the University necessary amount for the purchase of 3½ per cent. G.P. Notes of the face value of Rs. 1,500 for the purpose of

creating an endowment for the annual award of a gold medal in memory of her husband, the late Mr. Hemantakumar Nag, M.I.M.E., M.I.M.G., Electrical and Mining Engineer and former student of the Bengal Engineering College, Shibpur, on the following terms and conditions:—

(1) That out of the interest of the amount a gold medal be annually awarded to the successful Hindu candidate for the degree of Bachelor of Engineering who obtains the highest number of marks in Electrical Engineering.

(2) That the medal be called "Hemantakumar Nag Medal", bearing the following inscription—Hemantakumar Nag Medal awarded to..... year.....on one side and the University Arms on the other.

(3) The medal be presented publicly every year at the Annual Convocation and that the name of the winner of the medal be published in the University Calendar.

The offer was accepted with thanks by the Syndicate on 4th May, 1945.

Year	*Name of recipient*
1945	Banerjee, Amarendrakesari
1946	Mukherjee, Bidhanchandra
1947	Sarkar, Gautam
1948	Sen, Sankarkumar
1949	Majumdar, Nareschandra
1950	*Basak, Dilip Kumar
1951	Mukherjee, Keshab Chandra
1952	Ghosh, Priyabrato
1953	Roy, Madan Mohan
1954	Mujoo, Gokul Narayan
1955	Kuri, Kula Bhusan

TREVOR MEDAL AND PRIZE

The Trevor Testimonial Committee, on the 13th November, 1890, made over to the University the sum of Rs. 1,500 on the following conditions:—

(1) That an annual silver medal be instituted bearing the word "Trevor Testimonial Medal" on one side, and University Arms on the other.

(2) That the medal be presented publicly to that Bengali student who obtains the highest number of marks amongst those successful candidates at the I. E. and B. E. Examinations who do not obtain the University Gold Medal.

(3) That a prize of Engineering books or instruments to the value of not less than Rs. 35/- be also awarded to the medallist.

(4) That the names of the Medallists be printed in the University Calendar.

The Syndicate on 21st February, 1930, decided that the award should be confined to the regular candidates only.

The Syndicate on 22nd January, 1937, decided that the award should be confined to candidates in the Professional section only.

It has been decided that the medal and prize will be awarded to that Bengalee student who obtains the highest number of marks amongst those successful candidates at the B.E. Part II (Civil, Mechanical, Electrical and Metallurgical) who do not obtain the University Gold Medal (*vide* Syndicate item No. 38, the 4th October 1951).

Year	*Name of recipient*
1891	Lahiri, Mohinimohan
1892	Mukherjee, Ahindrachandra
1893	Pal Saradasundar
1894	Chakrabarti, Srischandra
1895	Das, Amarnath
1896	Datta, Upendranath
1897	Saha, Jnanranjan
1898	Das, Haridas
1899	Ray, Chandrasekhar
1900	Tafazal Ahmad
1901	Sen, Jogeschandra
1902	Deb, Manindranath
1903	Banerjee, Sailendranath
1904	Sen, Bholanath
1905	Sen, Kshirodchandra
1906	Dattagupta, Jogeschandra
1907	Ganguli, Bipinbihari
1908	Mukherjee, Ansujit
1909	Bose, Adyanath
1910	Chakrabarti, Sasikanta
1911	Chaudhuri, Surendramohan
1912	Sengupta, Prasaddas
1913	Sen, Amalchandra
1914	Joardar, Harendranath
1915	Das, Pulinbihari
1916	Bhattacharyya Mahendrakumar
1917	Ghosh, Bhushanchandra
1918	Sinharay, Binaykumar
1919	De, Jibankrishna
1920	Nag, Surendrakumar
1921	Seth, Baishnabdas
1922	Ghosh, Pulinbihari
1923	Sengupta, Bijaykumar
1924	De, Asutosh

* A gold-rimmed silver medal out of the value of the medal.

Year	*Name of recipient*
1925	De, Indubhusan
1926	Dhar, Dinendranath
1927	Chakrabarti, Kshitischandra
1928	Niyogi, Prabhatchandra
1929	Ghosh, Anilkumar
1930	Gupta, Sachindranath
1931	Kanjilal, Sarojkumar
1932	Kanjilal, Sudhirkumar
1933	Pal, Sudhamay
1934	Datta, Syamsundar
1935	Mukherjee, Prabhaskumar
1936	Chatterjee, Sibapada
1937	Basak, Bireswar
1938	Brahma, Hitendramohan
1939	Chakrabarti, Jatindrachandra
1940	Paramanik, Kamalakanta
1941	Nandi, Nirmalkumar
1942	Md. Abdur Rashid
1943	De, Abanikumar
1944	Mukherjee, Santoshkumar
1945	Banerjee, Anilbhusan
1946	Banerjee, Kalyankumar
1947	Mukherjee, Asimkumar
1948	Datta, Bijaygopal
1949	Neogy, Sanat Kr.
1950	Shah Md. Ali Husainy
1951	Guha, Sukumar
1952	Chowdhury, Pranab Kumar
1953	Sinha, Babu Birendra Kr.
1954	Banerjee, Ranjit Kumar
1955	Chatterjee, Sphatikeswar

GOVERNING BODY GOLD MEDAL & PRIZE

Governing Body Medal

Awarded annually by the Governing Body in memory of Heaton's Principalship to the student who stands highest in the Project and Drawing Group at the Final Examination of the Civil Engineer Department.

Year	*Name of recipient*
1922	Bhupendra Nath Sikar.
1923	Khagendra Nath Bose.
1924	Ashutosh De.
1925	Not awarded.
1926	Narayan Chandra Mitra.
1927	Dhirendra Nath Gupta.
1928	Samaresh Chandra Sil.
1929	Uditendu Prokash Mullick.
1930	Mahim Ranjan De.
1931	Saroj Kumar Kanjilal.
1932	Md. Imanuzzaman Chaudhury.
1933	Suchit Kumar Ghosh.
1934	Amiya Kumar Neogy.
1935	Sudhangshu Sekhar Ganguly.
1936	Bidhu Bhusan Ghosh.
1937	Kalidayal Ganguli.
1938	Saral Kumar Sen.
1939	Jatindra Chandra Chakraborti.
1940	Abul Moquith Ahmed.
1941	Pranab Kumar Das.
1942	Jadab Chandra Bhattacharjee.
1943	H. L. Archard.
1944	Madan Mohan Mukherjee.
1945	Durga Charan Datta.
1946	Narayan Chandra Chowdhury.
1947	Asim Kumar Mukherjee.
1948	Biswa Nath Mazumdar.
1949	Sibkinkar Talapatra.
1950	Indra Lal Mukherjee.
1951	Sukumar Guha.
1952	Minoo Aga.
1953	Prodyot Kumar Dutta.
1954	Paritosh Kumar Mukherjee.
1955	Sphatikeswar Chatterjee.
1940	Abul Moquith Ahmed.
1941	Pranab Kumar Das.
1942	Jadab Chandra Bhattacharjee.
1943	H. L. Archard.
1944	Madan Mohan Mukherjee.
1945	Durga Charan Dutta.
1946	Narayan Chandra Chowdhury.
1947	Asim Kumar Mukherjee.
1948	Biswanath Mazumdar.
1949	Sibkinkar Talapatra.
1950	Indra Lal Mukherjee.
1951	Sukumar Guha.
1952	Minoo Aga.
1953	Prodyot Kumar Datta.
1954	Paritosh Kumar Mukherjee.
1955	Sphatikeswar Chatterjee.

SIR ASHUTOSH MOOKERJEE MEMORIAL MEDAL & PRIZE

Awarded annually in memory of Sir Ashutosh Mookerjee, Vice-Chancellor of Calcutta University, 1906 to 1914 and 1921 to 1923, out of a fund raised by subscription among staff and students, to the student who secures the highest number of marks in the Civil Engineering Group of the B. E. (Final) Examination, and to the student who stands first in order of merit at the Diploma Examination in Mechanical and Electrical Engineering. From the year 1950, pri zes instead of medals, are awarded.

Year	*Name of recipient*
1929	Naresh Chandra Bose (Civil). Felix Reginald Augier (Mechanical & Electrical).
1930	Subodh Ch. Mukherjee (Civil). Michel Arthur Samuel Smith (Mechanical & Electrical).

Year	*Name of recipient*
1931	Jamini Kumar Banerjee (Civil).
	Amulya Dhan Deb (Mechanical & Electrical).
1932	Ranajit Prasad Chanda (Civil).
	Sunil Ranjan Das (Mechanical).
1933	Ramballav Chakravarty (Civil).
	Kumud Ranjan Chowdhury (Mechanical).
1934	Shyamapada Chaudhury (Civil).
	Samarjit Chatterjee (Mechanical).
1935	Kshaunish Chandra Ray (Civil).
	James Ivan Raj (Mechanical).
1936	Kamal Prasanno Roy (Civil).
	Saroj Ranjan Roy (Mechanical).
	Ramendra Nath Banerjee (Electrical).
1937	Pranob Kumar Chatterjee (Civil).
	Syed Kazim Ali (Mechanical).
	H. E. Duckworth (Electrical).
1938	Hitendra Mohan Brahma (Civil).
	Amolak Ram Khosla (Mechanical).
	Amal Kumar Kanjilal (Electrical).
1939	Jitendra Nath Roy (Civil).
	Jagannath Batra (Mechanical).
	Rabindra Nath Das (Electrical).
1940	Nirod Kumar Ghosh (Civil).
	Rajendra Shingh (Mechanical).
	Nirmal Kumar Biswas (Electrical).
1941	Bijon Kumar Mitra (Civil).
	Gopinath Bhattacharjee (Mechanical).
	Bhutnath Chowdhury (Electrical).
1942	Sitangshu Kumar Roy (Civil).
	Benoy Ranjan Roy Chowdhury (Mechanical).
	Sanat Kumar Sen (Electrical).
1943	H. L. Archard (Civil).
	Bhupal Krishna Datta (Mechanical).
	Tajdin Hassan (Electrical).
1944	Benoy Kr. Banerjee (Civil).
	Durgadas Banerjee (Mechanical).
	A. F. Augustine (Electrical).
1945	Durga Charan Datta (Civil).
	Satyendra Kr. Ghosh (Mechanical).
	Amarendra Kishori Banerjee (Electrical).
1946	Kalyan Kr. Banerjee (Civil).
	Arun Kr. Mukherjee (Mechanical).
	Bidhan Ch. Mukherjee (Electrical).
	Debabrata Sen (Metallurgical).
1947	Asim Kumar Mukherjee (Civil).
	Amal Ranjan Ghosh (Mechanical) Dastidar.
	Goutam Sarkar (Electrical).
	Asit Kr. Chatterjee (Metallurgical).
1948	Biswa Nath Mazumdar (Civil).
	Sudhindra Kr. Bose (Mechanical).
	Sankar Kr. Sen (Electrical).
	Barindra Prasad Ghosh (Metallurgical).
1949	Rajendra Lal Bhattacharjee (Civil).
	Benoyendra Chakravarty (Mechanical).
	Asim Kumar Bhattacharjee (Electrical).
	Ranjit Kumar Chatterjee (Metallurgical).
1950	Ratneswar Bose (Civil).
	Pulak Chandra Roy (Mechanical).
	Dilip Kumar Basak (Electrical).
	Sudhangshu Ranjan Pramanik (Melallurgical).
1951	Chiranjib Kumar Sarkar (Civil).
	Gobinda Lal Singha (Mechanical).
	Keshab Chandra Mukherjee (Electrical).
	Arun Kumar Seal (Metallurgical).
1952	Pranab Kumar Chowdhury (Civil).
	Priya Mitra (Mechanical).
	Priyabrata Ghosh (Electrical).
	Badrinarayan Das (Metallurgical).
1953	Prodyut Kumar Dutta (Civil).
	Joydev Kumar Basu (Mechanical).
	Madan Mohan Roy (Electrical).
1954	Ranjit Kumar Banerjee (Civil).
	Snigdha Kumar Chakravarty (Mechanical).
	Gokul Narayan Mujoo (Electrical).
	Dakshina Prasad Lahiri (Metallurgical).
1955	Srikumar Ghosh (Civil).
	Ananta Deb Sur (Mechanical).
	Sankar Prasad Basu (Electrical).
	Premananda Basak (Metallurgical).

INDIAN ENGINEERING ASSOCIATION PRIZE
(B. E. Pt. II Final Mechanical)

Awarded to a student whose grand total in B. E. Pt. II (in III year and IV year subjects) is highest.

Year	*Name of recipient*
1940	Rajendra Singh.
1941	Gopinath Bhattacharjee.
1942	Sachindra Nath Dutt.
1943	Bhupal Krishna Dutt.
1944	Durgadas Banerjee.
1945	Satyendra Kumar Ghosh.
1946	Arun Kumar Mukherjee.
1947	Amal Ranjan Ghosh Dastidar.
1948	Sukumar Das.
1949	Satiprasad Ghosh Dastidar.
1950	Pulak Chandra Roy.
1951	Gobindo Lal Singh.
1952	Salil Kumar Kesh.
1953	Dhruba Nath Roy.
1954	Ajoy Lal Basu.
1955	Kiranmay Ghatak.

TATE MEMORIAL MEDALS

Awarded annually in memory of Mr. W. Tate, Professor of Chemistry out of a fund raised by subscription among staff and students, to the student who secures the highest marks in Science at the 3rd year Annual Examinations in the Civil and Mechanical and Electrical Engineering Departments.

Year	*Names of Medallists*
1927	Monmotho Nath De Choudhuri (Mechanical and Electrical).
1928	Tejendra Nath Das (Civil). Benoyendra Narayan Roy (Mechanical and Electrical).
1929	Subodh Chandra Mukherjee (Civil). Sailendra Chandra Mookerjee (Mechanical and Electrical).
1930	Saroj Kumar Kanjilal (Civil). M. A. Smith (Mechanical and Electrical). Sibanitosh Chatterjee (Mechanical and Electrical).
1931	Ranajit Prosad Chanda (Civil). Amullyadhan Deb (Mechanical and Electrical).
1932	Sudhamoy Pal (Civil). Mahadananda Das (Mechanical and Electrical).
1933	Amiya Kumar Neogi (Civil). D. H. White (Mechanical and Electrical).
1934	Provas Kumar Mookerjee (Civil). Radha Kanta Chakraborti (Mechanical and Electrical).
1935	Bidhu Bhusan Ghosh (Civil). Saroj Ranjan Roy (Mechanical).
1936	Amitava Basu (Civil). Horace Edward Duckword (Electrical).
1937	Saral Kumar Sen (Civil). Pannalal Berry (Mechanical).
1938	Jitendra Nath Roy (Civil). V. G. Aratoon (Electrical).
1939	Hari Sadan Banerjee (Civil). Promotha Nath Basu (Electrical).
1940	Paresh Nath Chatterjee. Gopinath Bhattacharjee.
1941	Md. Abdur Rashid Bireswar Chatterjee.
1942	H. L. Archard. Tajdin Hassan.
1943	S. J. G. Baptiste. Durgadas Banerjee.
1944	Anil Bhusan Banerjee. Amarendra Kishor Banerjee.
1945	Biswanath Bhattacharjee. Debabrota Chatterjee.
1946	No award.
1947	Falguni Bose. Md. Lokman Hossain. Proavat Chandra Mukherjee.
1948	Ratneswar Bose. Dilip Kumar Basak.
1949	Birendra Nath Neogy. Keshab Chandra Mukherjee.
1950	Minoo Aga. E. M. Fonseca.
1951	Prodyot Kumar Dutta (Civil). Narendra Narayan Chatterjee.
1952	Nirmal Kumar Sinha (Civil). Dakshina Prasad Lahiri (Metallurgical).
1953	Srikumar Ghosh (Civil). Sankar Prasad Basu (Electrical). Kula Bhusan Kuri (Electrical). Jyotirmay Roy (Metallurgical).
1954	Aniruddha Chowdhury (Civil). Bimar Kr. Basu (Mechanical).
1955	Amiya Kr. Basu (Civil). Sushil Kr. Roy (Mechanical).

AMBIKACHARAN CHAUDHURI MEDAL

In 1879, Government accepted the offer of Babu Ambikacharan Chaudhuri, B. C. E., Assistant Engineer, Nagode, to invest Rs. 1,200 in 4 (reduced to $3\frac{1}{2}$) per cent. Government Promissory Notes on condition that out of the interest of the investments a medal is awarded annually to that student of the Sibpur Civil Engineering College, who stands first in Mathematics at the B. E. Examination. The administration of the fund was entrusted to the Principal, Civil Engineering College, Sibpur. The Director of Public Instruction, Bengal, having proposed that the medal should, in future, be publicly presented at the Convocation of the Calcutta University, the Government of Bengal, in its letter No. 409,date dthe 19th July, 1890, appointed the Fegistrar of the Calcutta University as administrator of the fund in place of the Principal, Civil Engineering College, Sibpur. On 14th October, 1890, the latter officer made over to the University the sum of Rs. 132-11-1 being the amount of balance at credit of the above fund and forwarded a copy of the Report on the audit of the account of the fund counter-signed by the Accountant-General, Bengal. The investments at present, amount to Rs. 1,400 yielding an annual income of Rs. 49.

The Syndicate on 21st February, 1930, decided that the award of the medal be confined to the regular candidates only.

The Syndicate on 4th October, 1951, decided that the medal would be awarded to the best candidate in Mathematics at B. E. Part I Examinations.

Year	*Name of recipients*
1880	Upendra Nath Banerjee, L.E.
1881	Not awarded.
1882	Not awarded
1883	Rapendra Nath Mookherjee, B.E.
1884	Not awarded
1885	Not awarded
1886	Sorabji Shavaksha, B.E.
1887	Beni Madhab Mitra, B.E.
1888	Nagendra Nath Mukherjee, B.E.

Year	*Name of recipient*
1889	Satis Chandra Chatterjee, B.E.
1890	Kshirod Chandra Mukherjee, B.E.
1891	Girish Chandra Das, B.E.
1892	Madhusudan Sen Gupta, B.E.
1893	Shyama Charan De, B.E.
1894	Nilmony Dey.
1895	Amar Nath Das, B.E.
1896	Bhola Nath Banerjee, B.E.
1897	Kishori Mohan Ghosh, B.E.
1898	Surendra Nath Sarkar, B.E.
1899	Surendra Nath Biswas, B.E.
1900	Benoy Krishna Madak, B.E.
1901	Jnanesh Chandra Bhattacharjee, B.E.
1902	Upendra Nath Kar, B.E.
1903	Jatindra Nath Banerjee, B.E.
1903	Jatindra Nath Sen, B.E.
1904	Surendra Nath Banerjee, B.E.
1905	Radhaballav Sarkar, B.E.
1906	Bhupendra Nath Dutta, B.E.
1907	Jagadish Chandra Sen, B.E.
1908	Harendra Krishna Banerjee, B.E.
1909	Sricharan Bhattacharjee, B.E.
1910	Kalicharan Gui, B.E.
1911	*Surendra Mohan Choudhury, B.E.
1912	Prasanna Kumar Biswas, B.E.
1913	Jogesh Chandra Guha, B.E.
1914	Amulya Ratan Banerjee, B.E.
1915	Pulin Behari Das, B.E.
1916	Mohendra Kumar Bhattacharjee, B.E.
1917	Surya Kanta Bhattacharjee, B.E.
1918	Jitendra Nath Das Gupta, B.E.
1919	Jiban Krishna De, B.E.
1920	Surendra Kuamr Nag, B.E.
1921	Baisnav Das Set, B.E.
1922	Pulin Behary Ghosh, B.E.
1923	Khagendra Nath Bose, B.E.
1924	Ashutosh De, B.E.
1925	Hari Charan Banerjee, B.E.
1926	Rama Nath Bose, B.E.
1927	Amiyo Nath Sen Gupta, B.E.
1928	Dwijendra Nath Saha, B.E.
1929	Naresh Chandra Bose, B.E.
1930	Prodyut Kumar Basu, B.E.
1931	Saroj Kumar Kanjilal, B.E.
1932	Birendra Chandra Ghosh, B.E.
1933	Guna Sindhu Roy, B.E.
1934	Shyam Sundar Datta, B.E.
1935	Bankim Chandra Ganguli, B.E.
1936	Saroj Ranjan Roy, B.E. (Mechanical)
1937	Chittapriya Ghosh
1938	Ajit Kumar Guhathakurta
1940	Rajendra Shing
1941	Gopinath Bhattacharjee
1942	Sanat Kumar Sen
1943	Anadinath Mukharjee

* First B. E. Examination by revised syllabus.

Year	*Name of recipient*
1944	Arun Kumar Chatterjee
1945-46	A. A. Hyan Ezra
1947	Niyogi, Sanat Kumar
1948	Sinha, Himansusekhar
1949	Mukherjee, Kesab Chandra
1950	*Batabyal, Hirendra Nath
1951	Basu, Jyotirmay
1952	Ragheban, G. C.
1953	Kuri, Kulabhusan
1954	Mukherjee, Hiralal
1955	Roy, Sushil Kumar

MACDONALD PRIZE FUND

Mr. A. Macdonald, who was Principal of the Bengal Engineering College made a total contribution of Rs. 3,700/- in four instalments for the purpose of awarding prizes to the best students residing in the New Hostel No. 11 which has been named after him. Out of the above amount, a sum of Rs. 491-4-0 has been invested in National Flag Bond of the nominal value of Rs. 500/- and a sum of Rs. 3,000/- in 4% West Bengal Loan, 1967. A sum of Rs. 100 has been spent in the first year for awarding a prize and the balance is in the post office. It is the intention be utilised by aawrding prizes to the best students residing in the hostel. Accordingly, the first prize was awarded in 1954.

Year	*Name of recipient.*
1953	Durga Pada Roy
1954	Kashinath Banerjee
1955	Kiranmay Ghatak

MECHANICAL ENGINEERING PRIZE

Year	*Name of recipient.*
1940	Gopinath Bhattacharjee
	Sailendra Nath Mukherjee
1941	Nripendra Mohan Mazumdar
	Bhupal Krishna Dutta
1942	Tajdin Hassan
	A. F. Augustine
1943	Arun Kumar Chatterjee
	Mihir Kumar Sarkar
1944	Amarendra Keshori Banerjee
	A. A. H. Ezra
1945	Bidhan Charan Mukherjee
	Khagendra Narayan Das Gupta
1946	Debotosh Mazumdar
1947	Dhiraj Kumar Mullick
	Shibkinkar Tala Patra

*A gold-rimmed silver-medal out of the value of of the medal.

Year	*Name of recipient*
1948	Sudhindra Kumar Bose
	Prodyut Kumar Mullick
1949	Satiprasad Das Gupta
	Keshab Chandra Mukherji
1950	Pulak Chandra Roy
	Nilkanta Misra
1951	Birendra Kumar Sinha Babu
	Basu, Sushil Kumar
1952	Kesh, Salil Kumar
	Mazumdar, Asoke Kumar
	Mukherjee, Ajit Kumar
1953	Mukherjee, Satya Narayan
	Ghosh, Amitava

APPLIED MATHEMATICS PRIZE
B. E. Part II

Awarded to the student who secures highest marks in Applied Mathematics in Civil, Mechanical, Electrical and Metallurgy.

Year	*Name of recipient.*
1940	Mitra, Anil Kumar
1941	No award
1942	Molla, Tejaruddin
7A09	Ezra, A. A. H.
1944	Das Gupta, Khagendra Nath
1945	Mozumdar, Asoke
1955	Ghosh, Amitava

SIR BIREN MOOKERJEE PRIZE

1953	Sundareswaran, V.
	Biraj Kanti Dutta.
	Asit Narayan Sengupta.
	Dhirendra Nath Das.
1954	Karunamay Ghosh.
	Hiralal Mukherjee
	Nanda Gopal De.
	Nishi Kanta Sen.
	Probodh Bandhu Basak.
	Kamala Kanta Das.
	Partha Pratim Ghosh.
	Utpal Roy.
1955	Utpal Roy.
	Kiranmay Ghatak.
	Rohini Lal Muni Chakravarty.
	Pabitra Kumar Sanyal.

PROF. S. N. RAY PRIZE
For Social Service

1955	Bimal Kanti Basu.
	Ardhendu Das.

ECONOMICS & ACCOUNTS PRIZE
(B. E. Part II)

Year	*Name of recipients*
1954	Silananda Adhikari.
1955	Basudeb Chakravarty.

Awarded to the student who secures highest marks in Economics & Accounts in Civil, Mechanical, Electrical and Metallurgy.

COLLEGE COUNCIL PRIZE

1953	Asoke Kumar Majumdar.
	Kula Bhusan Kuri.
	M. A. Jacob.
	Debiprasad Sinha Roy.
	Anandamoy Bhattacharyya.
1954	Binoy Kumar Chatterjee.

APPLIED MECHANICS PRIZE
B. E. Part II)

1954	Paritosh Kuamr Mukherjee.
	Aniruddha Chowdhury.
1955	Srikumar Ghosh.
	Satya Ranjan Das.

Awarded to the student who secures highest marks in Strength of Materials & Hydraulics, Theory & Sessional in C.E., M.E. & E.E.

GEODESY PRIZE (B. E. Part II)

1954	Manotosh Kr. Mukherjee.
1955	Sphatikeswar Ghosh.

Awarded to the Civil Engineering student who secures highest marks in Geodesy—Theory & Practical.

GENERAL CIVIL ENG. PRIZE
(B. E. Part II Civil)

1954	Paritosh Kumar Mukherjee.
1955	Manas Kumar Mondal.

Awarded to the Civil Engineering student who secures highest marks in General Civil Engineering Part I and II.

ARCHITECTURAL DESIGN PRIZE
(B. Arch. Part III)

1954	Amiya Kumar Banerjee.
1955	Biraj Kanti Dutt.

Awarded to the Architecture student who secures the highest marks in Architectural Design—Paper and Sessional.

GEOLOGY PRIZE (B. E. Part II)

Year	*Name of recipient*
1954	Manotosh Kumar Mukherjee.
1955	Matindra Nath Bagchi.

Awarded to the Civil Engineering student who secures highest marks in Geology.

STRUCTURES & DESIGN PRIZE (B. E. Pt. II)

1954	Paritosh Kumar Mukherjee.
1955	Golam Md. Nerevero.

Awarded to the Civil Engineering student who secures highest marks in Structures & Design, Paper I and II and Sessional.

STRUCTURES & DESIGN AND PROJECT AND THESIS PRIZE (B.E. Part II)

1954	Paritosh Kr. Mukherjee.
1955	Golam Md. Nerevero.

Awarded to the Civil Engineering Student who secures highest marks in Structures and Design, Paper I & II and Sessional.

ELECTIVE SUBJECT PRIZE (B. E. Pt. II))

1954	Ranjit Kumar Banerjee (Civil) Snigtha Kr. Chakravarty (Mechanical). Gokul Narayan Mujoo (Electrical). Dakshina Prasad Lahiri (Metallurgical).
1955	Manas Kumar Mondal (Civil). Ananta Deb Sur (Mechanical). Sankar Prasad Basu (Electrical). Dijak Sen Gupta (Metallurgical) Jyotirmoy Roy (Metallurgical).

Awarded to the students who secure highest marks in Elective subject in different branches of Engineering.

METROLOGY PRIZE (B. E. Pt. II)

1954	Snigdha Kr. Chakravarty.
1955	Basudev Chakravarty.

Awarded to the Mechanical Engineering student who secures highest marks in Metrology, Theory and Practical.

ADVANCED ELECTROTECHNOLOGY PRIZE (B. E. Pt. II)

1954	Chittaranjan Shom.
1955	Sankar Prasad Basu.

Awarded to the Electrical Engineering student who secures highest marks in Advanced Electro-Technology.

WORKSHOP THEORY PRIZE (B. E. Pt. II)

Year	*Name of recipient*
1954	Satya Brata Ghosh.
1955	Kiranmay Ghatak.

Awarded to the Mechanical Engineering student who secures highest marks in Workshop Theory.

MATERIALS & STRUCTURES PRIZE (B. E. Arch. Pt. III)

1954	V. Sundareswaran.
1955.	Satyabrata Roy.

Awarded to the Arch. Student whose total marks in Advanced Materials Paper and Materials Sessional, Theory of Structures, Paper I & II are highest.

ARCHITECTURE SUBJECT PRIZE (B. Arch. Pt. III)

1954	V. Sundareswaran. Asoke Kumar Kar.
1955	Biraj Kanti Dutta. Jatindra Kumar Ghosh.

Awarded to the Arch. student whose total marks in Arch. subjects are highest.

ARCHITECTURAL THEORY PAPERS PRIZE (B. Arch. Part II)

1954	Asit Narayan Sen Gupta.
1955	R. A. Fonseca.

Awarded to the student who secures highest marks in Arch. Theory papers.

ARCHITECTURAL DRAWING & DESIGN PRIZE (B. Arch. Part II)

1954	Asit Narayan Sen Gupta.
1955	R. A. Fonseca.

Awarded to the student who secures highest marks in Architectural Drawing & Design.

DRAWING PRIZE (B. S. Part I)

1954	Amiya Ranjan Pal.
1955	Sukhendu Chatterjee.

Awarded to the student who secures highest marks in Drawing—Paper & Sessional.

DETAILS OF CONSTRUCTION AND ESTIMATING PRIZE (B. E. Part I)

1954	Prafulla Kumar Roy.
1955	Amiya Kumar Basu.

Awarded to the student who secures highest marks in Details of Construction and Estimating.

PHYSICS & CHEMISTRY PRIZE
(B. Arch. Part I)

Year	*Name of recipient*
1954	Anil Kumar Karmakar.
1955	Jatindra Kumar Ghosh.

Awarded to the student who secures highest marks in Physics and Chemistry—Paper & Sessional.

PROF. N. P. GANDHI PRIZE

1941 Dilip Kumar Mukherjee.

MESSRS. BALLARDIE THOMPSON & MATTHEWS PRIZE

1953 V. Sundareswaran.
Biraj Kanti Dutta.
Asit Narayan Sen Gupta.
Dhirendra Nath Das.

PROFESSION PRIZE

1953 Tek Bahadur Chettri.

DR. S. R. SENGUPTA PRIZE

1952 V. Sundareswaran.
Biraj Kanti Datta.
Asit Narayan Sen Gupta.

DRAWING & DESIGN AND PROJECT AND THESIS PRIZE
(B. E. Part II Mechanical)

1954 Ajoy Lal Basu.
1955 Ranaji Dutta.

ELECTROTECHNOLOGY PRIZE
(B. E. Part II Mechanical)

1954 Kashinath Banerjee.
Ajoy Lal Basu.
Karunamay Ghosh.
1955 Kiranmay Ghatak.
Amiya Kr. Basu.

HEAT ENGINE PRIZE
(B. E. Part II Mechanical)

1954 Ajoy Lal Basu (Mechanical).
Gokul Narayan Mujoo (Electrical).
Karunamay Ghosh.
1955 Basudev Chakravarty (Mechanical).
Kulabhusan Kuri (Electrical).
Amiya Kumar Basu (Civil).

OBLIGATORY ELECTRICAL ENGINEERING SUBJECT PRIZE
(B. E. Part II Electrical)

Year	*Name of recipient*
1954	Gokul Narayan Mujoo.
1955	Kula Bhusan Kuri.

PLANNING & DESIGN THESIS PRIZE
(B. E. Part II Electrical)

1954 Gokul Narayan Mujoo.
1955 Kula Bhusan Kuri.

INORGANIC & PHYSICAL CHEMISTRY PRIZE
(B. E. Part II Metallurgical)

1954 Dakshina Prasad Lahiri.
1955 Jyotirmay Roy.

GEOLOGY, MINERALOGY AND DRESSING OF MINERALS PRIZE
(B. E. Part II Metallurgical)

1954 Sujit Kr. Basu.
1955 Janmejoy Banerjee.

MET. ENGINEERING SUBJECT PRIZE
(B. Met. Part II)

1954 Dakshina Prasad Lahiri.
1955 Kinkar Prasad Gupta.

PROJECT & THESIS PRIZE
(B. E. Met. Part II)

1954 Dakshina Prasad Lahiri.
Sujit Kumar Basu.
Ramesh Ch. Chatterjee (D.T.R.P.)
1955 Kinkar Prasad Gupta.

ENGINEERING SUBJECTS PRIZE
(B E. Part I)

1954 V. Sundareswaran.
Asim Kumar Roy.
1955 Biraj Kanti Dutta (Architecture)
Partha Pratim Ghosh.

ENGINEERING GROUP SUBJECTS PRIZE
(B. E. Part I)

Awarded to the student whose total marks in Engineering Group subjects viz., Surveying—Theory & Practical, Drawing—Paper & Sessional, Applied Mechanics—Paper & Sessional, Details of Construction & Estimation, Heat Engines—Theory & Sessional, Electro-technology—Theory and Practical, are highest.

Year	*Name of recipient.*
1940	Bijon Kumar Mitra
1941	Sailendra Nath Mukherjee
1942	H. L. Archard
1943	Shyam Sundar Mitra
1944	Mihir Kumar Sarkar
1945	A. A. H. Ezra
1946	Not awarded
1947	Shibkinkar Talapatra
1948	Prodyot Kumar Mullick
1949	Keshab Chandra Mukherjee
1950	Budhindra Nath Gorai
	E. M. Fonseca
	Nilkanta Misra
1951	Birendra Kumar Sinhabahu
1952	Asoke Kumar Mazumdar
1953	Manas Kumar Mondal
1954	Sudhindra Gupta
1955	Amiya Kr. Basu.

WORKSHOP PRACTICE PRIZE (B. E. Part I)

Awarded to the Student whose marks in work shop-sessional are highest.

Year	*Name of the recipient*
1940	Shibapada Hore
	Jyoti Prasad Lahiri
	Amal Kumar Mukherjee
	Arun Kumar Roy
1941	Nripendra Kumar Banerjee
	Monoranjan Saha
1942	Debaprasad Roy
	Mohammad Ibrahim
	Tejaruddin Molla
	Md. Serajul Islam
	Debiprasanna
	Ajoyananda Das
	D. Borgohain
1943	A. S. Masiur Rahman
	Mahendra Nath Bhattacharjee
	Debiprasanna Ganguly
	Abdul Malek
	Akbar Hossain Khan
1944	Labanya Ranjan Paul
	Narayan Chandra Chowdhury
	Harbazan Shingh.
1945	Arun Kumar Mukherjee
	Rathindra Nath Mitra
	Harbazan Shingh
	Mihir Kumar Goswami
	Shafiul Alam Iman Ahmed
1946	Amal Kumar De
	Biswa Nath Mazumdar
1947	Priya Nath Das
	Anil Chandra Dutta
	Sukhamay Samajdar
	Sailendra Narayan Ghosh
1948	Dilip Kumar Basak
	Chandra Kumar Roy
	Rebati Raman Bera
1949	Rudreswar Chatterjee
	Satya Charan Bose
	Harendra Nath Mitra
1950	E. M. Fonseca
	Jatipriya Kundu
	Basudev Moitra
1951	Prodyut Kr. Datta
	Himangshu Kr. Bhanja
	Chandra Kumar Srivastava
1952	Gokul Narayan Mujoo
	Nishit Ranjan Paul
	Ashit Ranjan Kar
	Paritosh Kumar Mukherjee
	Phani Bhusan Saha
1953	Sphatikeswar Chatterjee
	Satyendra Mohan Guha Biswas
	Jyotirmay Roy
	Ananta Deb Sur
	Kinkar Prasad Gupta
	Premananda Basak
1954	Nanda Gopal De
1955	Rupen Datta

CHEMISTRY PRIZE (B. E. Part I)

To the student who secures highest marks in Chemistry—Theory & Practical.

Year	*Name of recipient*
1940	Ajit Kumar Guha
1941	No award
1942	Ajit Kumar Guha Raja (Roy)
1943	Barindra Nath Basu
1944	Barada Charan Chatterjee.
1945	Durgadas Mukherjee
1946	No award
1947	Sanat Kr. Neogi
1948	Ratneswar Bose
1949	Keshab Chandra Mukherjee
1950	E. M. Fonseca
1951	Keshab Lal Ganguly
1952	Dakshina Prasad Lahiri
1953	Kula Bhusan Kuri
1954	Bimal Kr. Basu
1955	Gunendu Krishna Mazumdar

SURVEYING PRIZE (B. E. Part I)

The the student who secures highest marks in Surveying—Theory and Practical.

Year	*Name of recipient*
1940	Ajit Kr. Samanta
1941	Bidhubhusan Deb Chowdhury
1942	H. L. Archard
1943	Jagadish Chandra Ganguli
1944	Anil Bhusan Banerjee

Year	*Name of recipient*
1945	Kalyan Kr. Banerjee
1946	No award
1947	Asim Kr. Mukherjee
1948	Rabindra Nath Banerjee
1949	Sanat Kr. Neogi
1950	Ratneswar Bose
1951	Subir Nandy
1952	Avijit Kumar Devgupta
1953	Chandra Kumar Srivastava
1954	Amiya Ranjan Pal
1955	Amiya Kr. Basu

MATHEMATICS & PHYSICS PRIZE (B. E. Part I)

To the student who secures highest marks in Mathematics I & II—250 & Physics (Theory & Practical) 200—Total 450 in B. E. I.

Year	*Name of recipient*
1940	Sanat Kumar Sen
1941	Santosh Kr. Mukherjee
1942	A. F. Augustine
1943	Mahendra Nath Bhattacharjee
1944	A. A. H. Ezra
1945	Khagendra Narayan Das Gupta
1946	Sudhindra Kr. Basu
1947	Nikhilesh Roy
1948	Himangshu Sekhar Sinha
1939	Keshab Chandra Mukherjee
1950	Minoo Aga
1951	Prodyot Kr. Dutta.
1952	Gokul Narayan Mujoo
	G. C. Ragheban
1953	Kula Bhusan Kuri

PHYSICS PRIZE (B. E. Part I)

To the student who secures highest marks in Physics (Theory & Practical).

1940	Prafulla Kr. Ghoshal
1941	No award
1942	Amiya Kr. Das Gupta
1943	Bidhan Charan Mukherjee
1944	Asim Kr. Mukherjee
1945	Amal Kumar De
1946	No award
1947	Sibkinkar Talapatra
1948	Prodyut Kr. Mallik
1949	Keshab Chandra Mukherjee
1950	Jagannath Mitra
1951	Prodyot Kumar Dutta
1952	Gokul Narayan Mujoo
1953	Kulabhusan Kuri
1954	Dulal Dutta
	Hiralal Mukherjee
	Jaydeb Nandy
1955	Amiya Kr Basu.

ELECTRICAL ENGINEERING PRIZE (B. E. Part I)

To the student who secures highest marks in Electro-Technology (Paper and Sessional).

Year	*Name of recipient*
1940	Gopinath Bhattacharjee
	Santosh Kr. Bhattacharjee
1941	Sanat Kr. Sen
	Bijoy Kr. Dhar
1942	Tajdin Hassan
	A. F. Augustine
1943	Durgadas Banerjee
	Amarendra Keshori Banerjee
1944	Amarendra Keshori Banerjee
	A. A. H. Ezra
1945	Bidhan Charan Mukherjee
	Anil Chandra Rudra
1946	Arun Banerjee
1947	Goutam Sarkar
	Sibkinkar Talapatra
1948	Sankar Kr. Sen
	Prodyut Kr. Mallik
1949	Asim Kr. Bhattacharjee
	Keshab Chandra Mukherjee
1950	Dilip Kr. Basak
	Budhindra Gogai
	E. M. Fonseca
	Sailaja Kanta Lahiri
1951	Keshab Chandra Mukherjee
	Birendra Kumar Sinhabahu
1952	Priyabrata Ghosh
	Rabindra Nath Dutta
1953	Madan Mohan Roy
1954	Sujit Kr. Basu
1955	Jyotirmay Roy

MATHEMATICS PRIZE (B. E. Part I)

To the student who secures highest marks in Mathematics I and II.

1940	Gopinath Bhattacharjee
	Abani Kr. De
1941	Sanat Kumar Sen
1942	Anadi Nath Mukherjee
	Amarendra Keshori Banerjee
1943	Arun Kr. Chatterjee
	Santosh Kr. Paul (M. E. Dip)
	Debobrata Chatterjee
1944	Amarendra Kishori Banerjee
	Khagendra N. Das Gupta
1945	Arun Kr. Mukherjee
	Sudhindra Kr. Basu
1946	No award
1947	Sanat Kr. Neogi
	Nikhilesh Roy

1948 Himangshu Sekhar Sinha
Biswanath Ganguli
Ratneswar Bose

1949 Keshab Chandra Mukherjee
Birendra Nath Neogi

1950 Hirendra Nath Batabyal
Pravat Kr. Mukherjee

1951 Jyotirmay Basu
Joydeb Gumar Basu

1952 Karunamay Sen
G. C. Raghaban
Narendra Ch. Mal.

1953 Kula Bhusan Kuri
Karunamay Sen

1954 Subir Kr. Basu
Hiralal Mukherjee
Asoke Kr. Kar

1955 Bhabani Prasad Sarkar
Sushil Kr. Roy
Amiya Kr. Basu
Jatindra Kr. Ghosh

NOTE:—SLATER MEMORIAL PRIZE

It has been decided that the medal and prize will be awarded to that Bengalee student who obtains the highest number of marks amongst those successful candidates at the B. E. Part II (Civil, Mechanical, Electrical and Metallurgical) who does not obtain the University Gold Medal (vide Syndicate item No. 38, the 4th October, 1951).

CHRONICLE OF DEVELOPMENTS

1843-44—

Council of Education, Bengal decides on opening a Civil Engineering class and a Professorship in Civil Engineering is created in Hindu College, Calcutta.

1848, August 29—

Lord Dalhousie recommends to the Court of Directors of the East India Company the establishment of Engineering Class at each of the Presidencies.

1854, May 2—

Court of Directors approve the proposal for the establishment of a separate Engineering College at Calcutta.

1854, July 19—

Creation of the State Department of Public Instruction.

1856, February 12—

Government of India finally approves the constitution and establishment of a Civil Engineering College at Calcutta. Foundation of a great Institution for Engineers is laid.

September 15—

Lieut. E. C. S. Williams is appointed the first Principal of the College.

1856, November 24—

The College is opened in premises Nos. 9, 10 and 11, Writers' Buildings and named, Calcutta Civil Engineering College.

1857, January 24—

Foundation of Calcutta University. Faculty of Civil Engineering is formed.

April 8—

Regulation for the Degree in Master of Civil Engineering settled by the Faculty.

May 2—

Calcutta Civil Engineering College affiliated to the Calcutta University.

1857—

'Forbes Foundation Scholarship' introduced.

1858—

First Survey Camp at Ranigunj.

1859—

Major G. Chesney, Principal.*

1860—

Degree of Licentiate in Civil Engineering (L.C.E.) introduced.

1861—

Major W. E. Warrand, Principal.

First batch of students in theoretical part of the L.C.E. Degree Examination appears.

1862—

Major J. G. Medley, Principal.*

1863, February—

Lieut. G. H. Hills, Principal.*

1863, June—

Mr. T. Martin, Principal.

1864—

J. Sutcliffe, Principal.

First Degree Examination of Bachelor in Civil Engineering (B.C.E.) held.

November—

Temporary end of the separate existence and amalgamation of the Civil Engineering College with the Presidency College.

1865, July 15—

Presidency College, Civil Engineering Department affiliated to the Calcutta University.

1877—

Mr. C. H. Tawney, Principal.

1878—

A 'committee' appointed for the purpose, recommends removal of the Engineering Department from the Presidency College.

1879, December 15—

Government decides to shift the Engineering classes to a new site.

1880—

Workshops of the Public Works Department at Sibpur get attached to the College for practical training of the students.

Apprentice Department of the college formed with 80 Apprentices of the Government Workshops at Dehri-on-Sone, transferred to Sibpur.

April 1—

Govt. Engineering College affiliated to the Calcutta University.

April 5—

Civil Engineering Department moves to the premises of the Bishop's College at Sibpur and redesignated "Government Engineering College, Howrah", with Mr. S. F. Downing, as Principal.

October 15,—

Visiting Lectureship introduced in the College. First Visiting Lecturer Mr. Dejoux.

December 28—

Board of Visitors appointed.

1881, April 25—

First Students' strike.

August 3—

'Chapel' attached to the college to be treated as a Government Institution.

November 22—

Control of the college with students (as distinguished from the Workshops) transferred from the Public Works Department to the Education Department.

1881-82

System of appointing Monitors for the Engineer classes introduced.

1883-84—

First examination in Engineering (F.E.) introduced from 1st August 1883. Examination held the same year.

L.C.E. abolished and L.E. (License in Engineering) introduced. Examination held in 1884.

Degree of B.C.E. replaced by B.E. (Bachelor in Engineering) at the same time.

1884, December 13—

Government declares Indian students eligible for "guaranteed appointments" under the Public Works Department.

1886—

First B. E. examination held.

1886-87—

Construction of "Downing House" completed—1st Students' Hostel.

1887, May 18—

College redesignated "Civil Engineering College, Sibpore."

1889—

College becomes a wholly residential Institution.

May—

Arrangement for a Hospital made and the Central Hall of "Downing House" temporarily converted for the purpose.

September—

All appointments in the Upper Subordinate Grade of the Public Works Department reserved for Graduates of the College.

1892—

J. S. Slater, Principal.

1894, September—

Training of Artisan Apprentices introduced.

1896—

Electric lighting installation completed.

1897, April—

Workshops finally transferred to the Education Department.

1898, June—

Agricultural classes opened.

1902—

100-ton Buckton Testing Machine, first of its kind in India, installed.

1903—

First Magazine, "Shibpur College Patrika" published.

1904—

Mr. B. Heaton, Principal.

March—

Inauguration of the new Electric Power Plant by Sir Andrew Fraser, the then Lieut.-Governor of Bengal.

July—

Rules for the "Special Mess Fund" approved.

1905-06—

Ranchi Removal Scheme initiated.

1906, February—

Mining classes opened.

March—

First examination in Engineering changed to "Intermediate Examination in Engineering (I.E.) License in Engineering abolished. Degree of Doctor in Engineering substituted for Master of Engineering.

1907—

Motor Mechanics classes started.

1908, March—

Joint Technical Examination Board formed.

October—

Sanction received to start a Telegraph Training Class.

1908-09—

Agricultural classes finally closed.

1910—

Dying classes opened.

Practical instruction in Surveying for pleaders sanctioned.

February—

First Governing Body constituted.

July—

Motor Mechanics classes abolished.

1911, November—

University affiliation in B. E. Degree in Civil, Mechanical, Electrical and Mining granted.

1912-13—

Classification of books in Library by Dewey's system completed.

1916, February—

"Hunger-strike" by the students for better messing arrangements.

August—

Dying classes finally closed.

1917-18—

College visited by Calcutta University Commission. Sanitary Commissioner Submits Report.

1918, July—

Ranchi Removal Scheme abandoned. Government decides to retain the college at its present site.

1919, February—

A 'Committee' under Chairmanship of Sir R. N. Mookerjee formed to reorganise the Departments of the College.

February 12—

Name of the College changed to "Bengal Engineering College, Sibpur."

March—

New Water Supply Scheme completed.

1921—

Board of Control for Apprenticeship created.

New Turrent Clock presented by Sir R. N. Mookherjee.

Sewerage Scheme completed.

March 24—

College redesignated, "Bengal Engineering College."

November 29—

Departments of the college reorganised. Upper Subordinate classes abolished.

1922—

Mr. T. H. Richardson, Principal.

July 5—

Associateship course in Mechanical Engineering introduced.

1923—
First Diploma Examination in Mechanical and Electrical Engineering held.
1924—
Waterworks completed.
'Guaranteed appointment' in I.S.E. abolished.
1925—
Activated Sludge Plant completed.
November—
Telegraph Training classes discontinued.
1928, November—
Mr. A. Macdonald, Principal.
1929, March—
Mining classes closed.
1930, July 18—
B. E. Degree in Mechanical Engineering sanctioned.
1935-36—
Degree course in Electrical Engineering introduced.
1936, Nov. 2—
Mr. R. Wolfenden, Principal.
1938, May—
5 posts of Visiting Lecturers created.
August 18—
Mr. C. V. Miller, Principal.*
1939, Sept. 21—
Dr. A. H. Pandya, First Indian Principal.
November 6—
Degree course in Metallurgy introduced.
1941, February—
War Technicians Training Scheme started.
1943, April 2—
Mr. C. V. Miller, Principal.*
1945, February 21—
"Committee for the Development of Higher Engineering and Technical Education in Bengal" formed.
April—
Mr. N. N. Sen, Principal.
May 19—
Committee for the Development submits Report, empodying (a) an Immediate Plan, and (b) a Five-year Plan for development of the college.
1945, June—
War Technicians Training Scheme finally wound up.
August 18—
Birth of the Bengal Engineering College Alumni Congress.
1945-46—
Work with 'Immediate Plan' started.
New Department of Humanities opened.
1946, January 8—
Government accepted the recommendations contained in the Immediate Plan.
May—
First Admission Test under the New Rules held.
July—
Session changed from November to July.
November 25—
New Regulations of the Calcutta University in Degree examination of Engineering adopted by the Government.
December—
Electric Supply Scheme remodelled. Arrangement made with Calcutta Electric Supply Corporation.
1947-48—
Immediate Plan fully implemented.
Department of Applied Mechanics opened.
N. C. C. Training introduced.
First two Girl-students admitted.
1947, February—
University examination under New Regulations held.
August 13—
Chapel finally made over to the college.
August 15—
First Independence Celebration performed.
Dr. P. C. Ghosh, then Chief Minister of West Bengal present.
1948, May 28—
A New Department of Training started.
November 9—
'Five-year Plan' sanctioned by Government and given effect to in session 1948-49.
1949, January 5—
Dr. S. R. Sengupta, Principal.
January 17—
Dr. S. Radhakrishnan as Chairman of University Commission visits the college.
December 81—
Construction of Building under the Plan started.
1949-50—
Degree courses in Architecture and the Post-Graduate Diploma in Town and Regional Planning introduced.
1950, February 5—
Foundation stone of the Administrative Block laid by Dr. B. C. Roy, Chief Minister of West Bengal.
June 10—
College office shifted to the new building.
July 1—
Sibpur Polytechnic started.
1951—
"Institute Building and Sports Pavilion Fund' and 'B. E. College Poor Fund' later renamed 'Students Aid Fund' created.
May 30—
Orphan Training Scheme started.
August 25—
Dr. H. C. Mookerjee, Governor of West Bengal visits the college.
1952, December 25—
Dr. Rajendra Prasad, President of India, visits the the college.
1952-53—
Post-Graduate Certificate course in Naval Architecture and Marine Engineering introduced.
'Five-year Plan' of the college completed.

1953, January 20—

Dr. Ralph J. Bunche, Novel Laureate visits.

April 24—

Regulations for the Degree of Master of Engineering in Civil, Mechanical, Electrical and Metallurgical Engineering approved by the University.

May 27—

'Reviewing Committee' appointed.

1954, March 12—

Dr. S. R. Sengupta leaves on deputation and Mr. R. G. P. S. Fairbairn takes his place as Principal.

1954-55—

Interchange of staff under the auspices of Technical Co-operation Administration, U.S.A. 6 Guest Professors join.

1955-56—

Regulations for the Degree of D.Phil. in Engineering framed by the University.

1956—

Degree course in Mining Engineering introduced.

May 15—

Mr. A. C. Roy, Principal.

November 23—

College completes one hundred years.

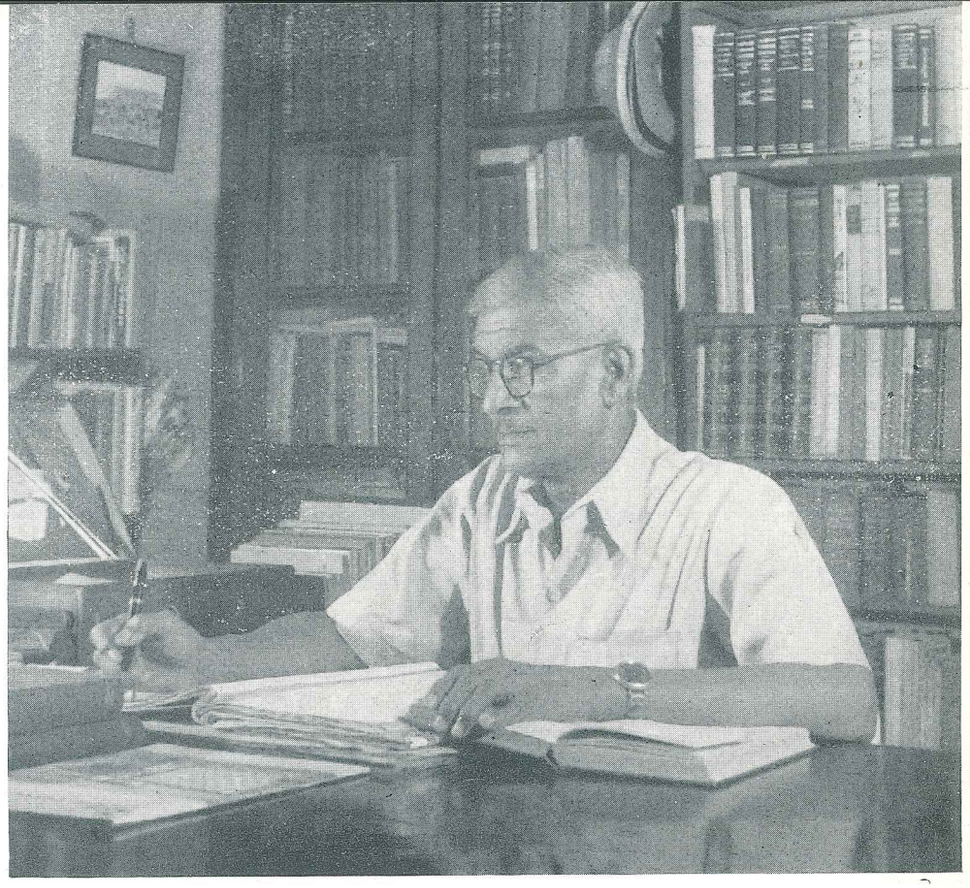
December 25-31—

Centenary Celebrations of the college.

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*Officiating.

THE CENTENARY SET-UP



J. N. Das Gupta—*President*

MEMBERS OF THE BENGAL ENGINEERING COLLEGE CENTENARY CELEBRATIONS COMMITTEE

1. Shri J. N. Das Gupta, *President.*
2. Prof. A. C. Roy, Principal, B. E. College, *Vice-President* (*ex-officio*).
3. Shri Akshoy Bose, *Vice-President.*
4. Shri S. N. Gupta, *Hony. General Secretary.*
5. Prof. R. N. Banerjee, *Hony. Joint Secretary.*
6. Prof. K. C. Roy, *Hony. Joint Secretary.*
7. Shri T. P. Marik, *Treasurer.*

MEMBERS

1. Shri G. S. Mitra
2. Shri H. N. Sil
3. Shri D. R. Mukherjee
4. Shri S. K. Ghosh
5. Shri S. Dutta
6. Shri J. Ganguly
7. Shri P. K. Das
8. Shri S. Guha
9. Shri P. Paul
10. Shri H. Nandy
11. Shri D. Mukherjee
12. Shri K. Nandy Majumdar
13. Shri A. Sen Gupta
14. Shri S. Bhaduri
15. Shri F. Banerjee
16. Shri H. C. Mukherjee, Hony. Secy. B. E. College Alumni Congress (*Ex-officio*)
17. Shri R. N. Sinha
18. Shri B. N. Choudhuri
19. Shri T. Mitra
20. Shri M. K. Guha
21. Shri Provat Ghosh
22. Shri S. K. Guha
23. Shri S. N. Majumdar
24. Prof. A. K. Sanyal
25. Shri Abani M. Banerjee
26. Shri B. D. Auddy
27. Shri Prantosh K. Bose
28. Shri K. C. Chakraborty
29. Prof. B. K. Dutt
30. Shri S. N. Sen
31. Prof. A. S. Sen
32. Shri Sunandan Bose
33. Shri Gouranga Ganguly
34. Shri S. K. Dutta
35. Shri Benoy Majumdar
36. Shri A. C. Ghosh
37. Shri Amitava Ghosal
38. Shri Sukhendu Chatterjee
39. Shri Arun Majumdar
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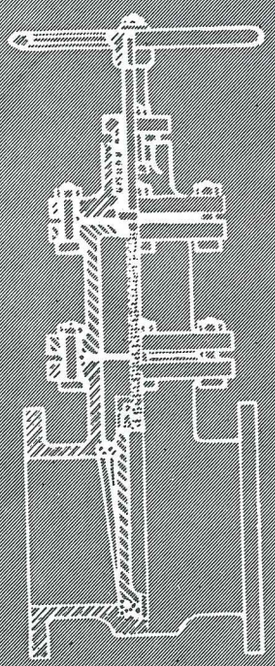
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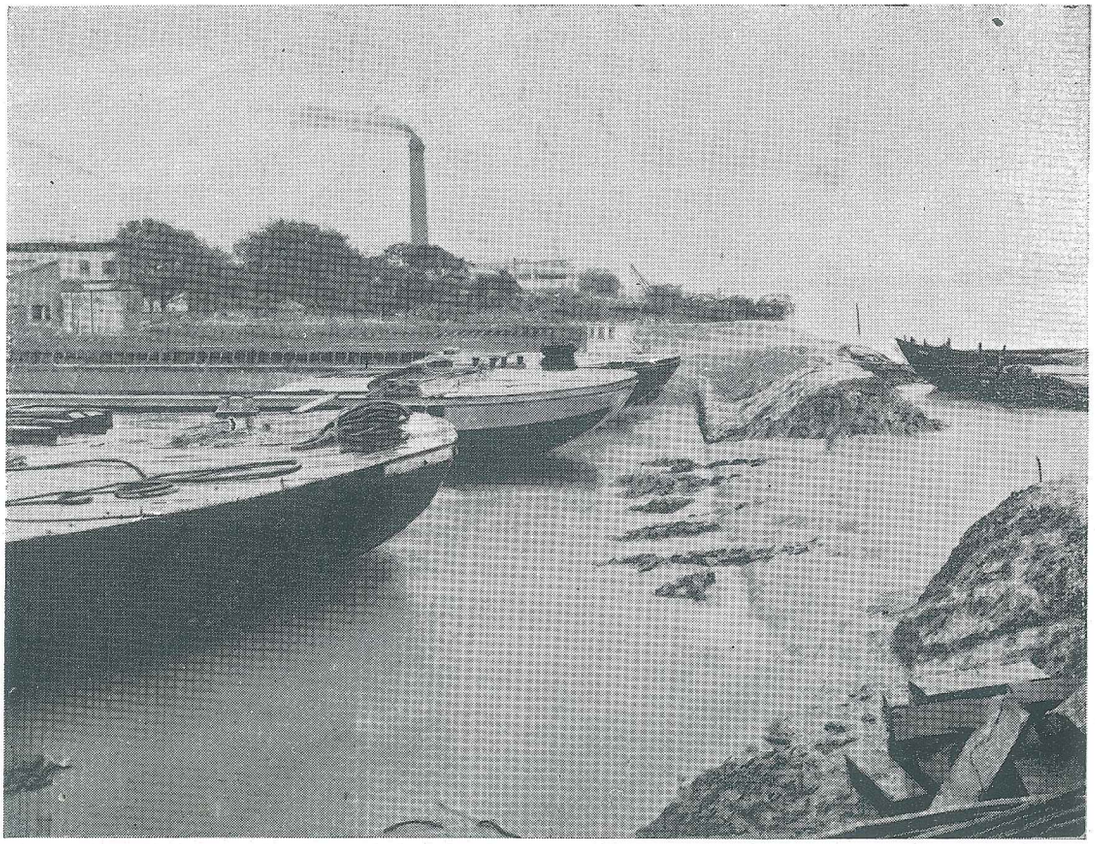
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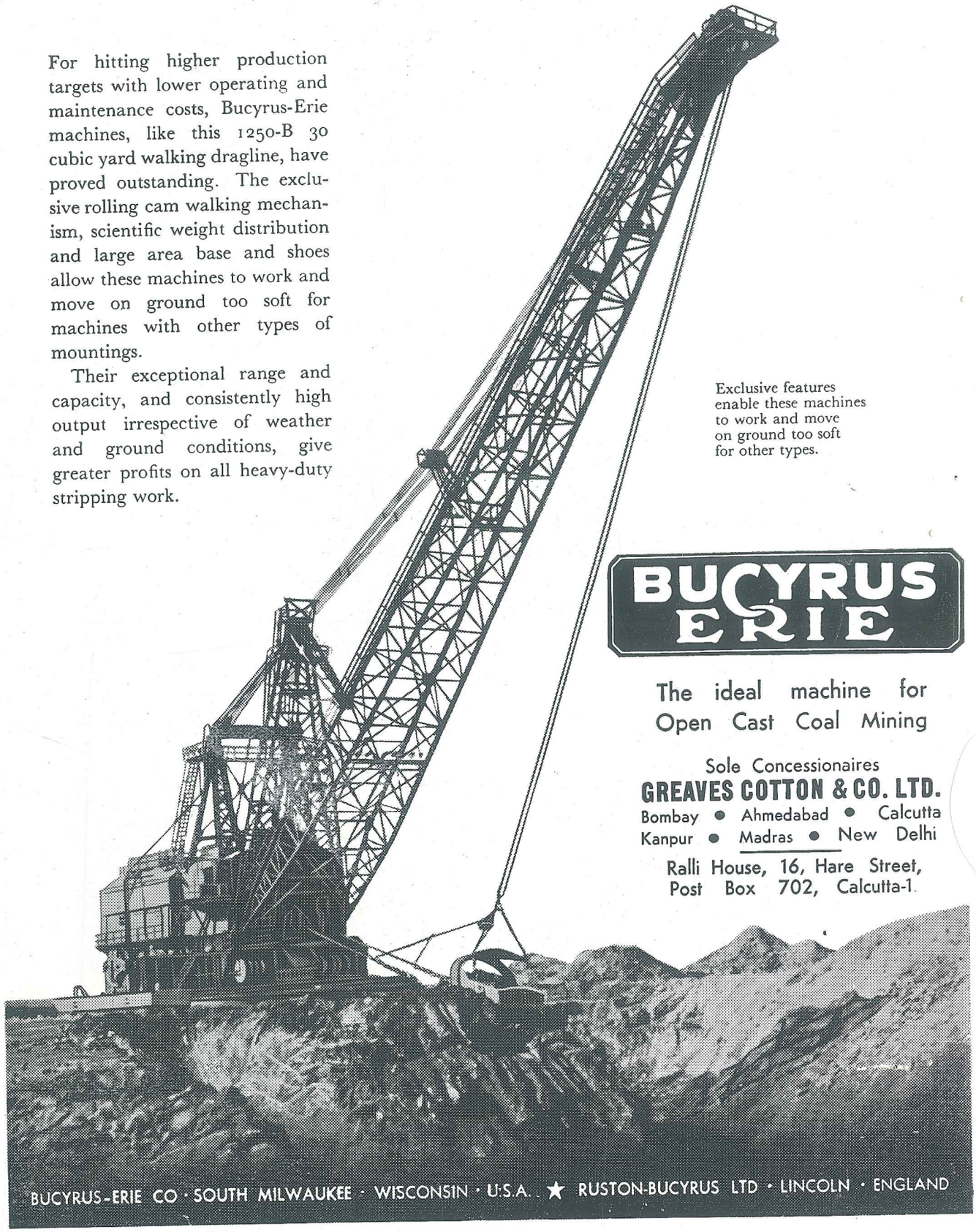
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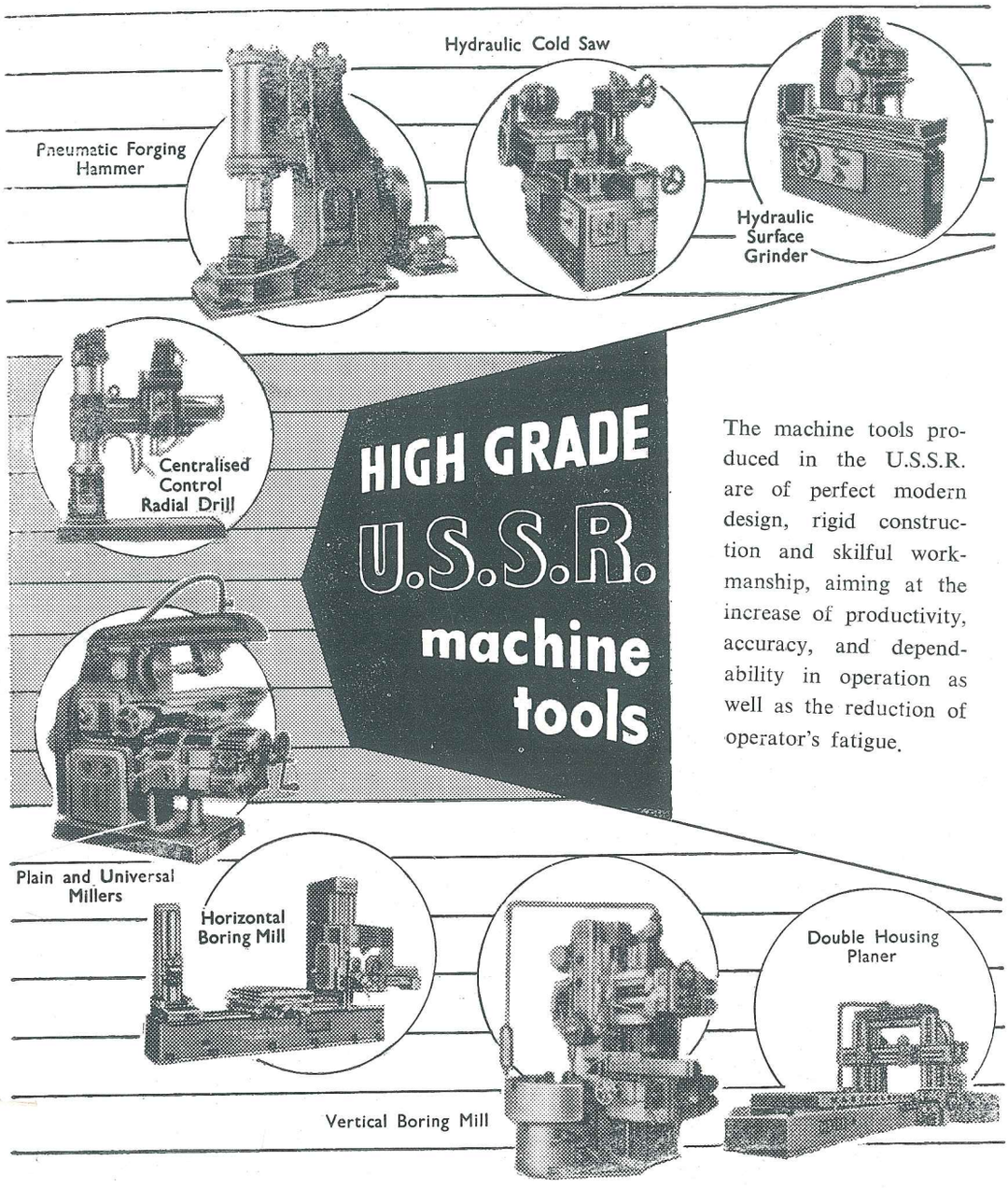
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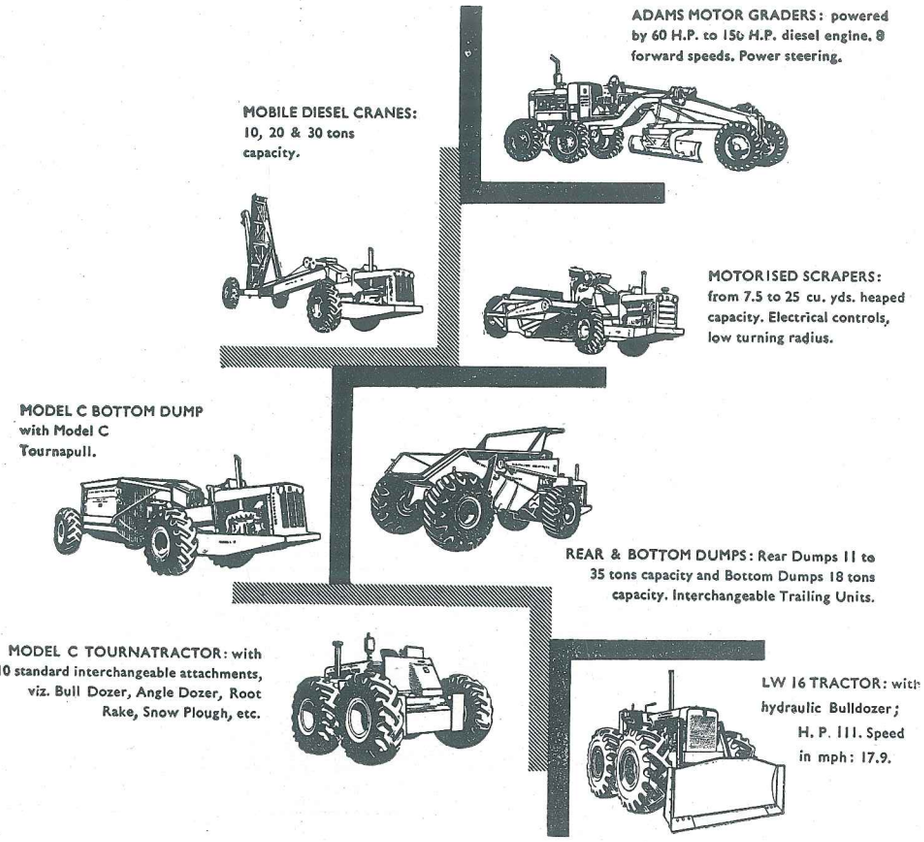
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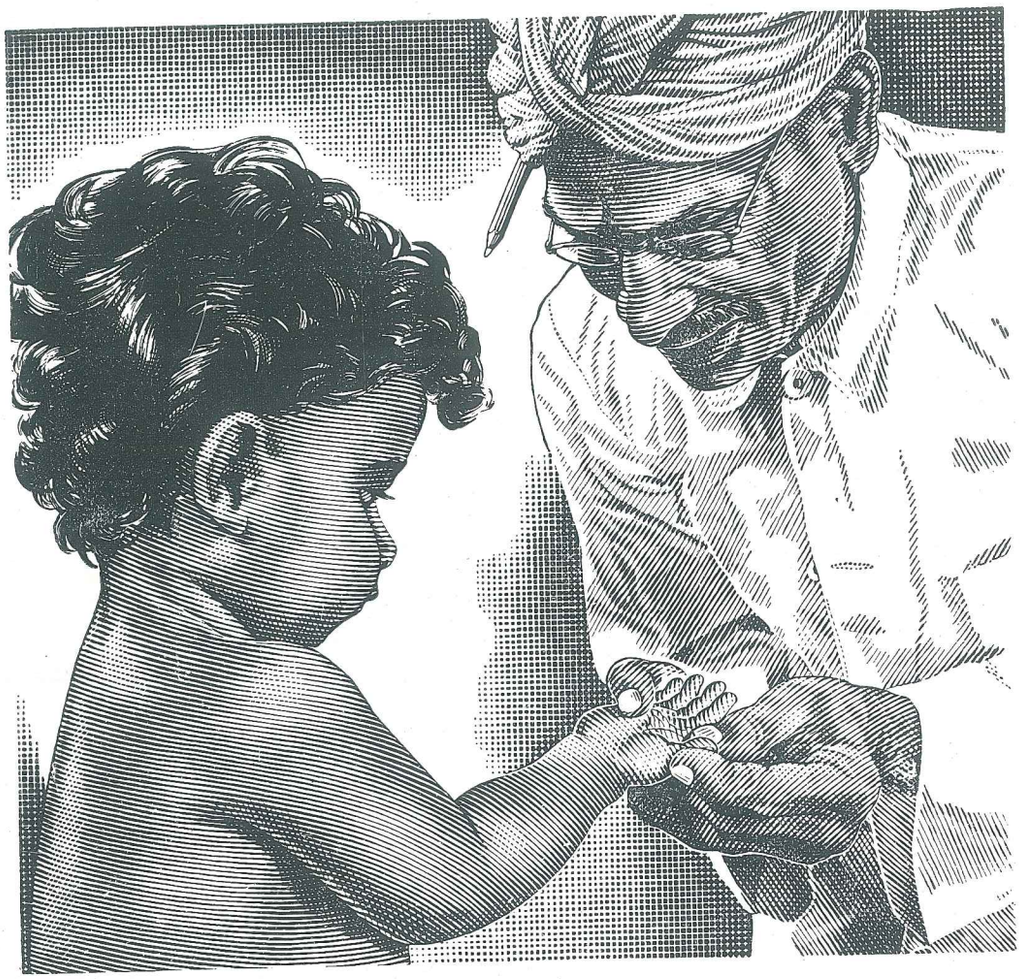
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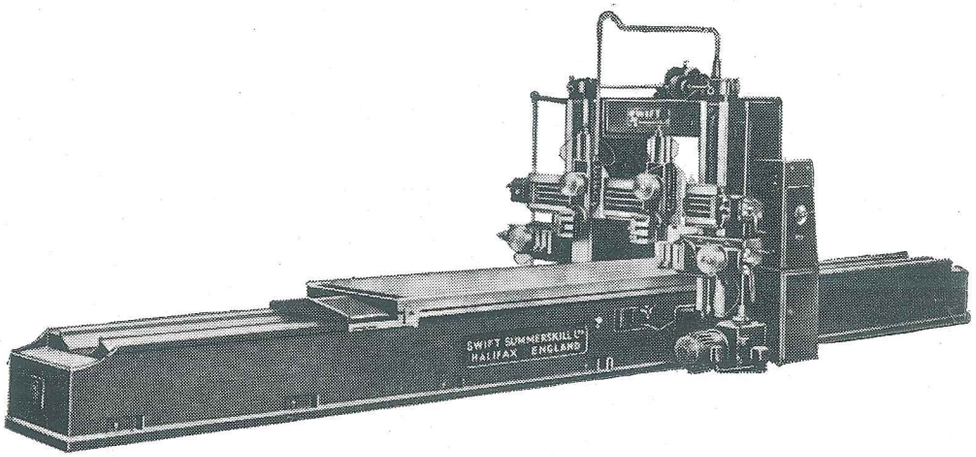
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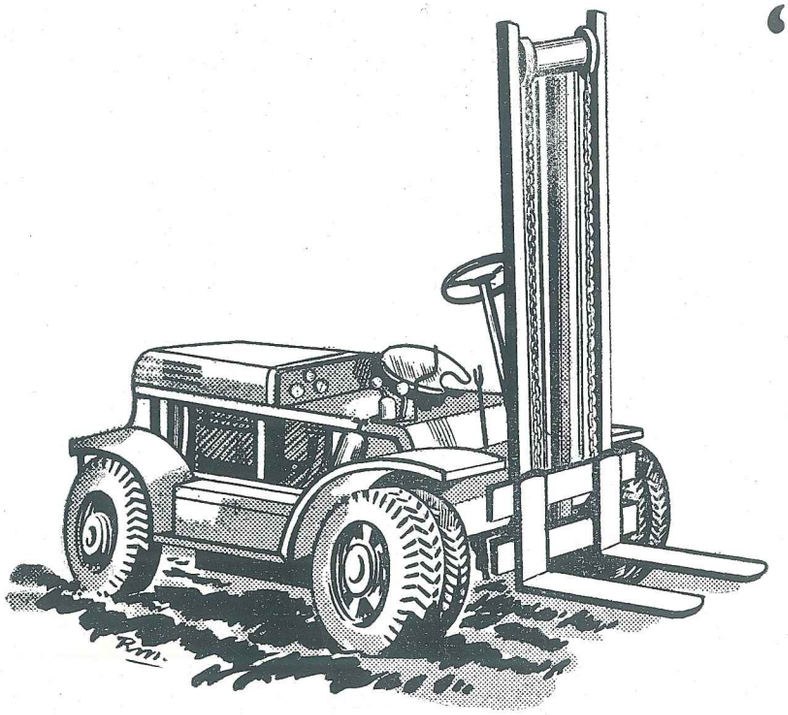
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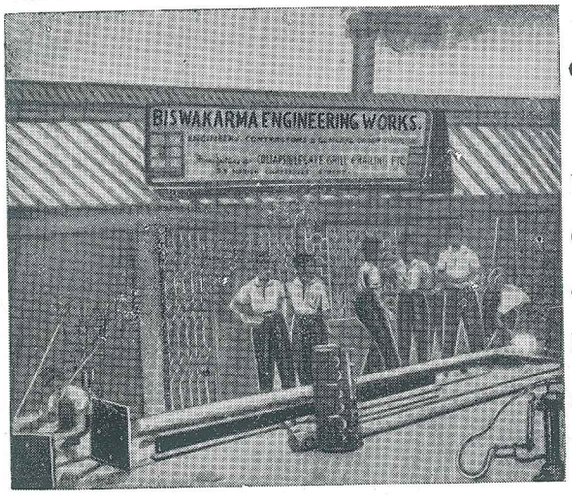
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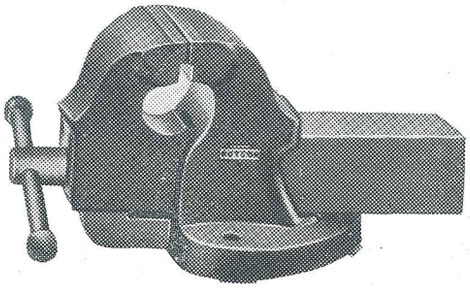
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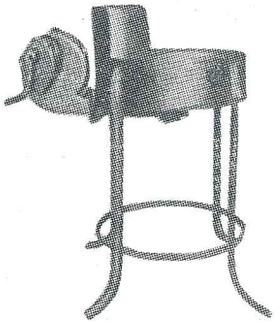
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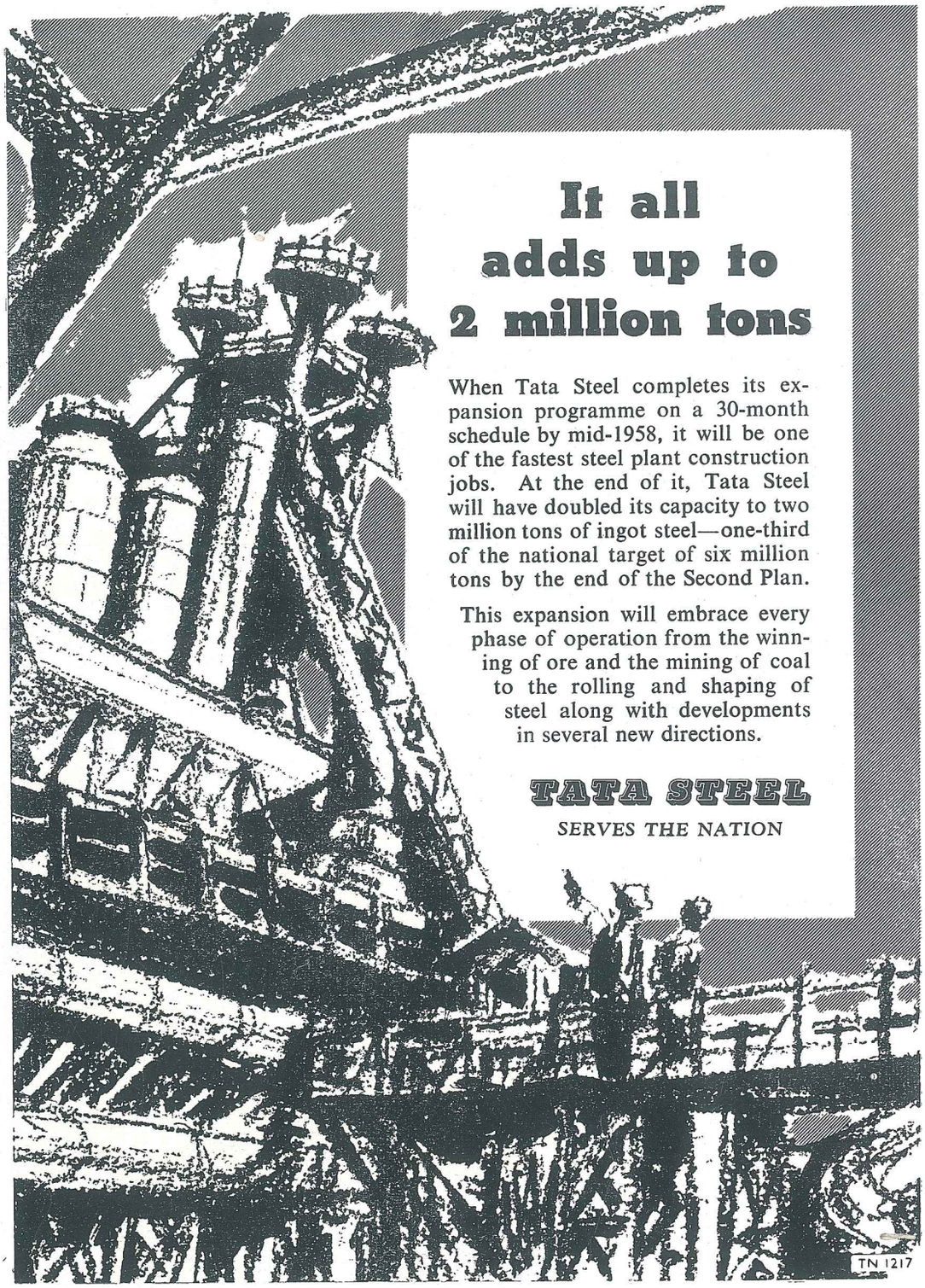
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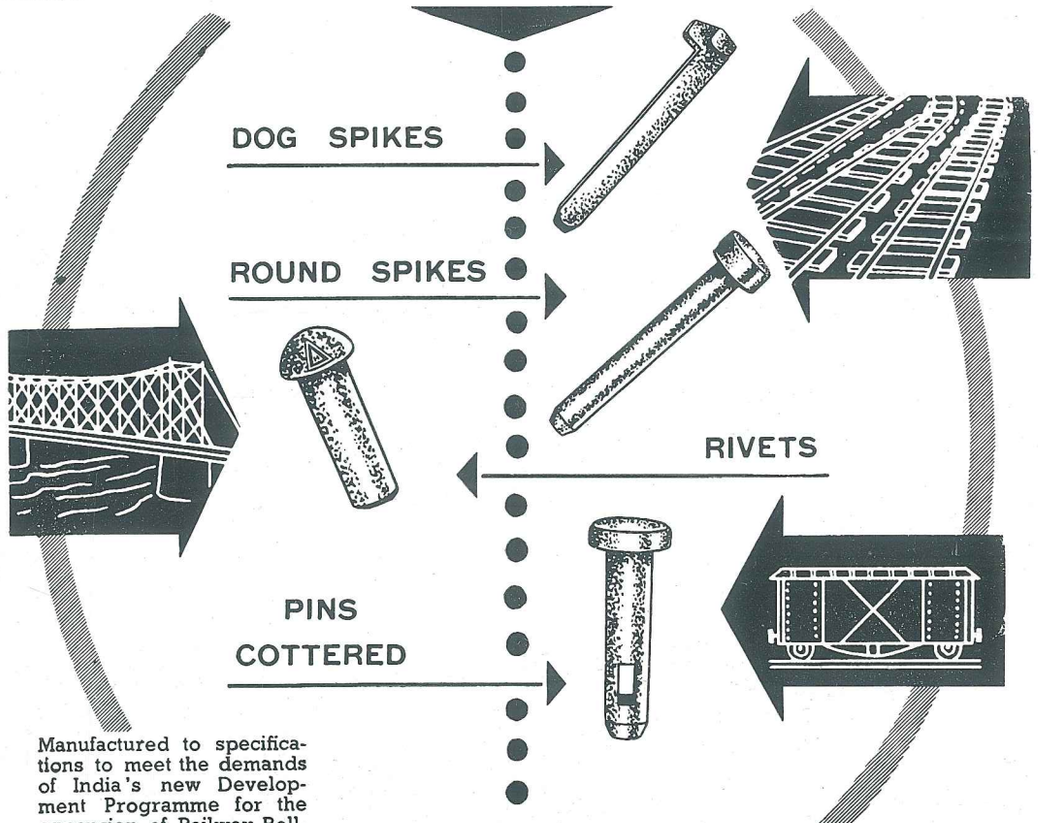
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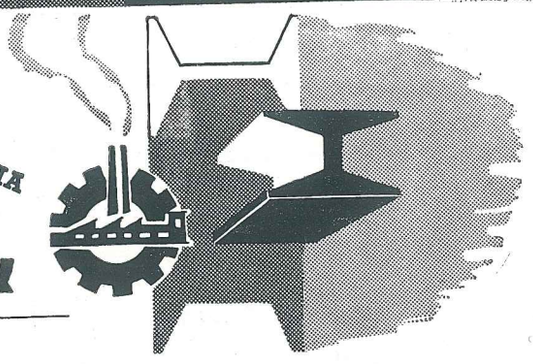
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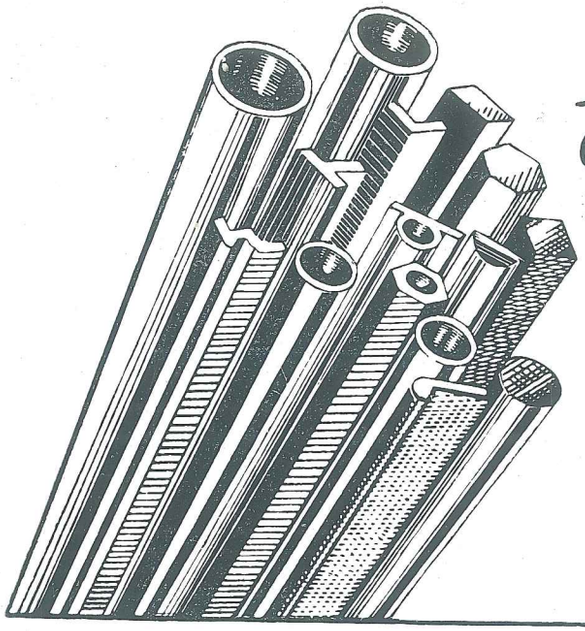
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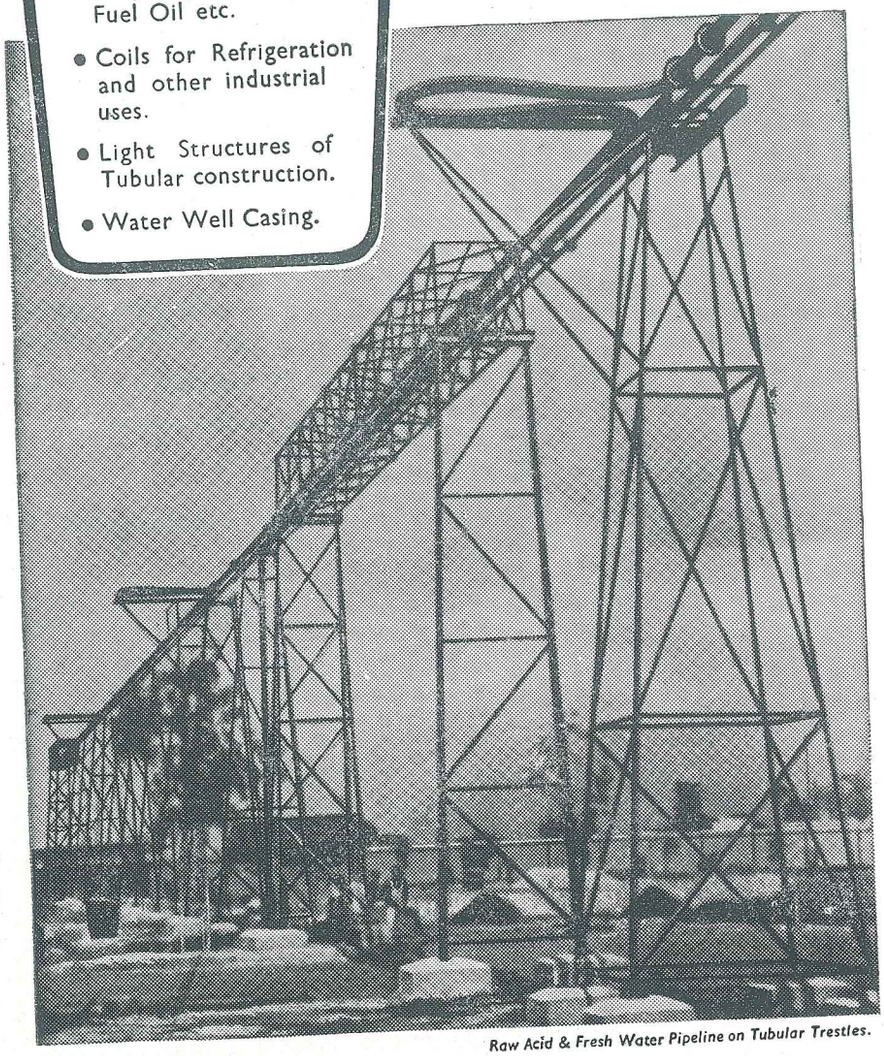
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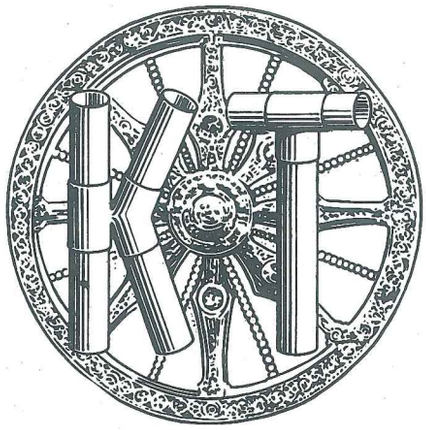
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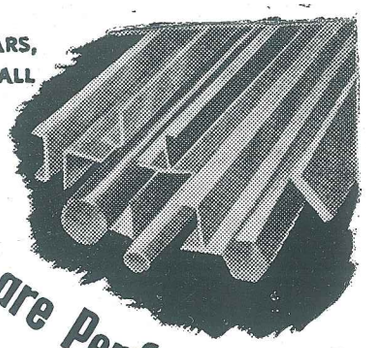
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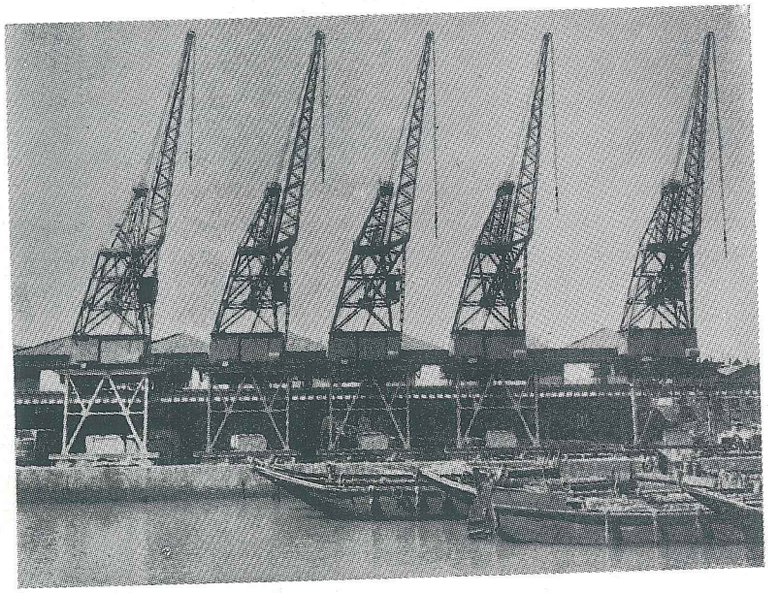
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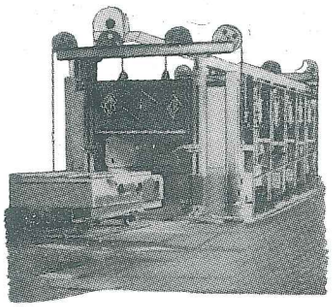


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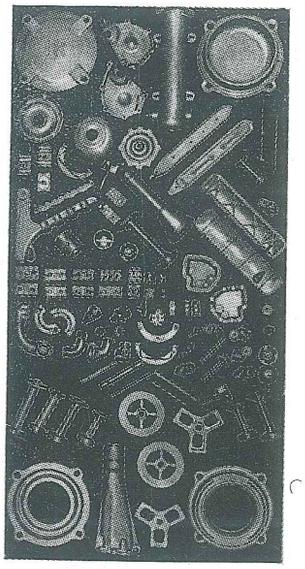
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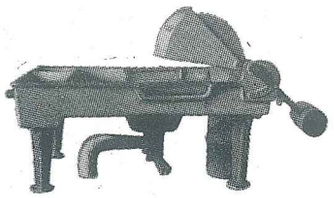
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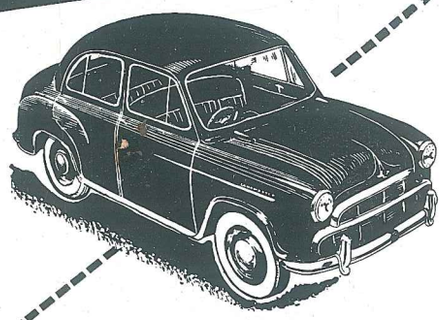
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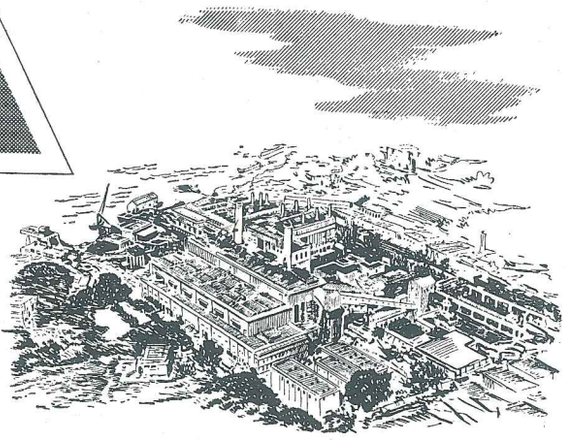
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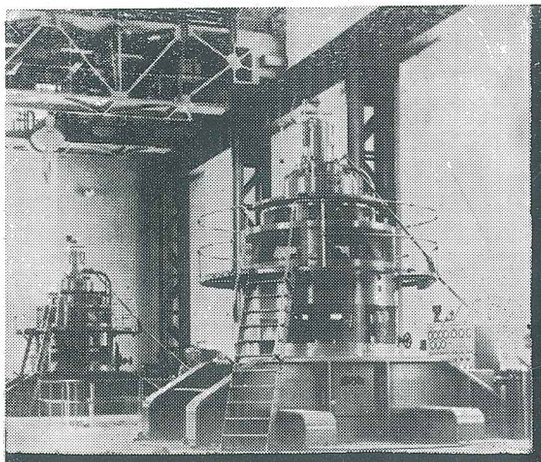
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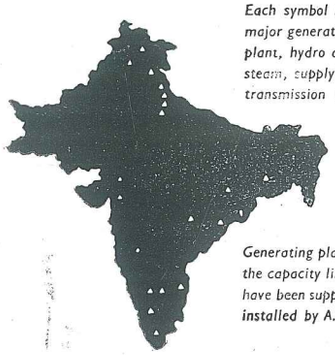
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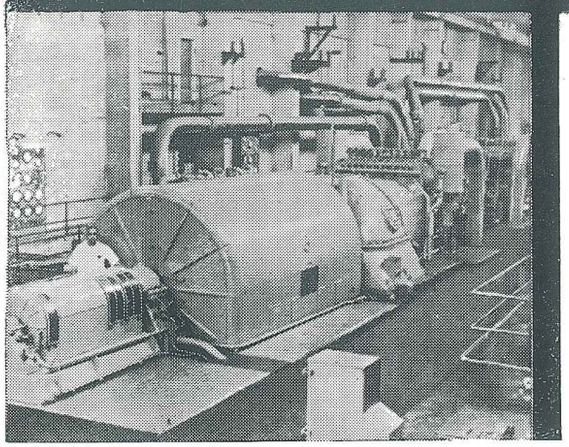
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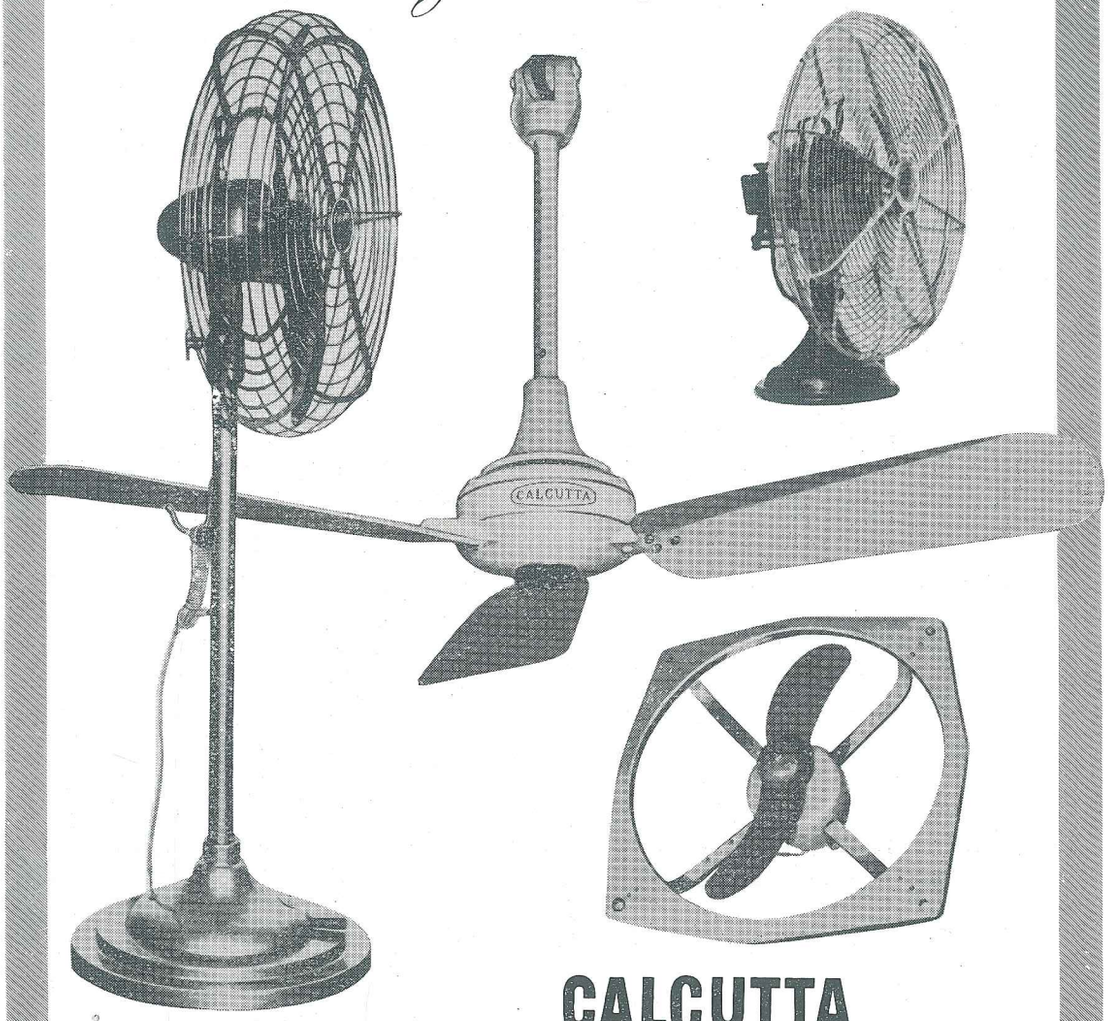
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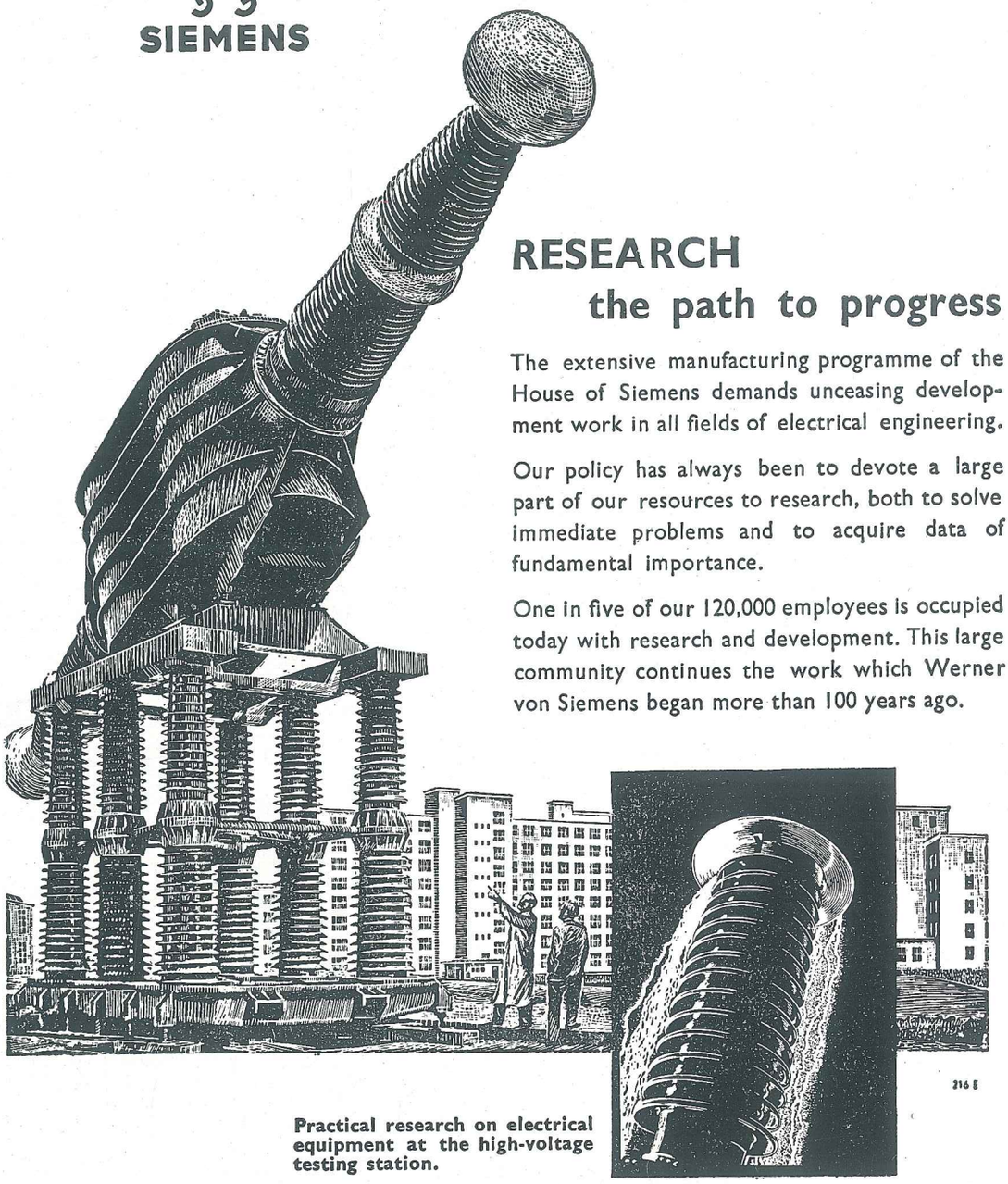


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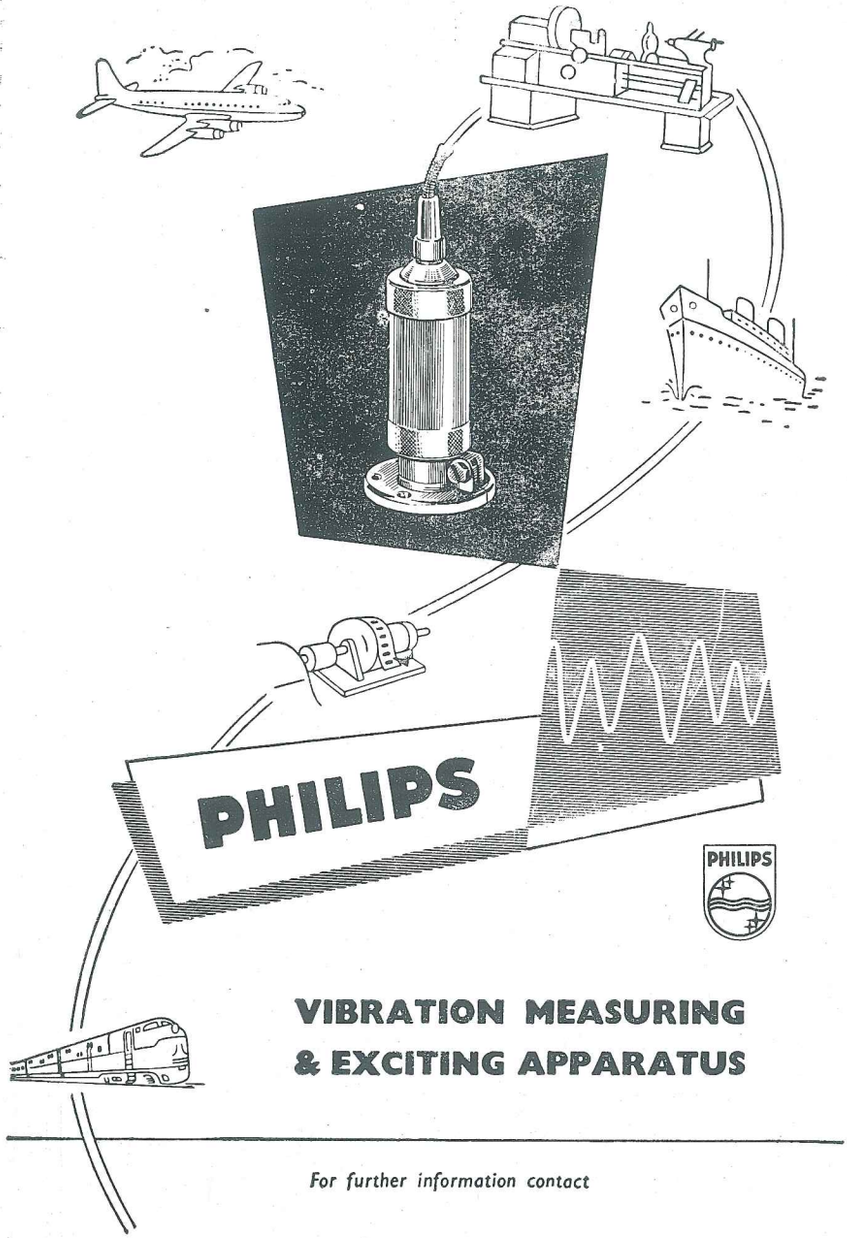
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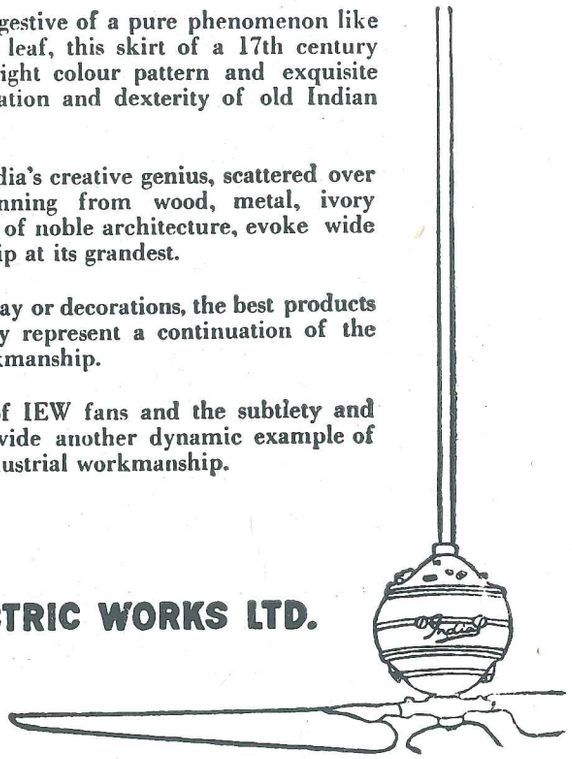


Executed with a delicacy suggestive of a pure phenomenon like a peacock's feather or rare foliage leaf, this skirt of a 17th century silk saree with its rich motifs, bright colour pattern and exquisite finish, reveals the supple imagination and dexterity of old Indian craftsmen.

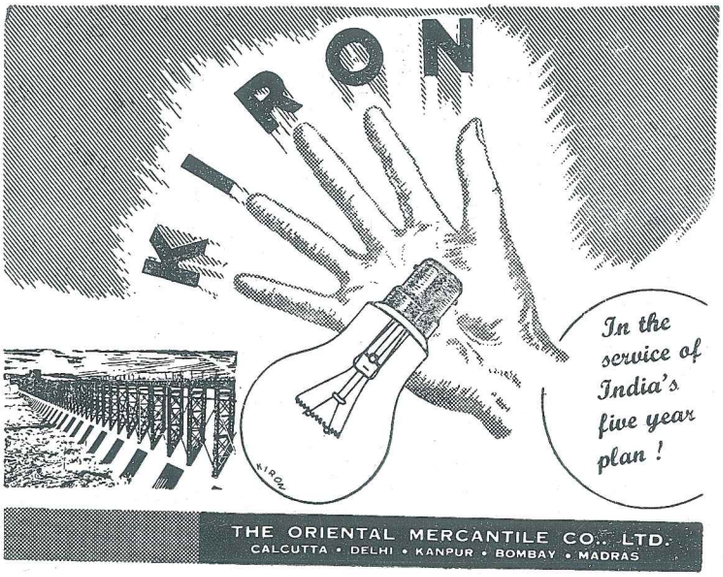
Various manifestations of India's creative genius, scattered over many places in the country, beginning from wood, metal, ivory and stone carving to the splendour of noble architecture, evoke wide admiration for Indian workmanship at its grandest.

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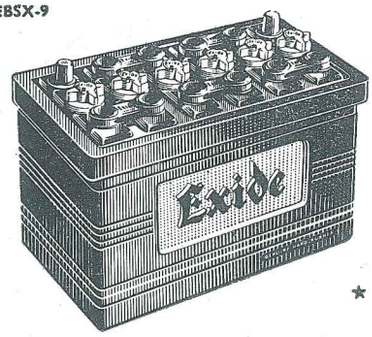
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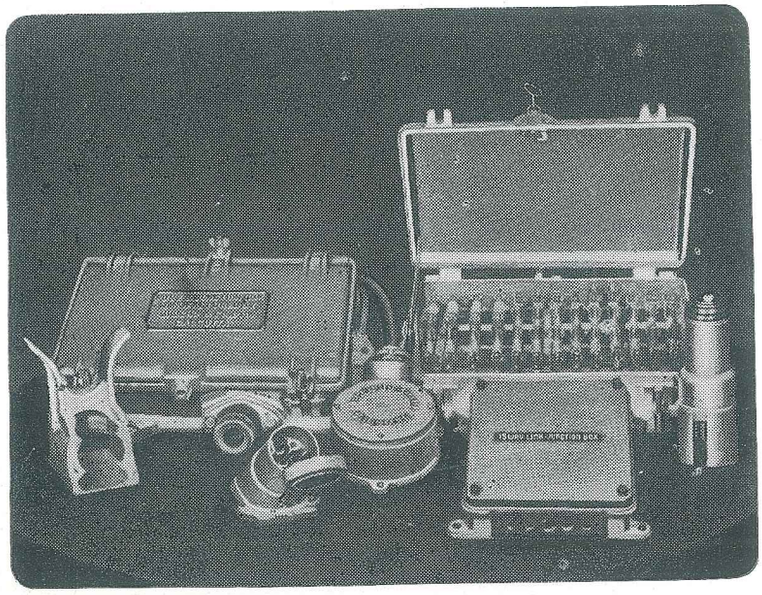
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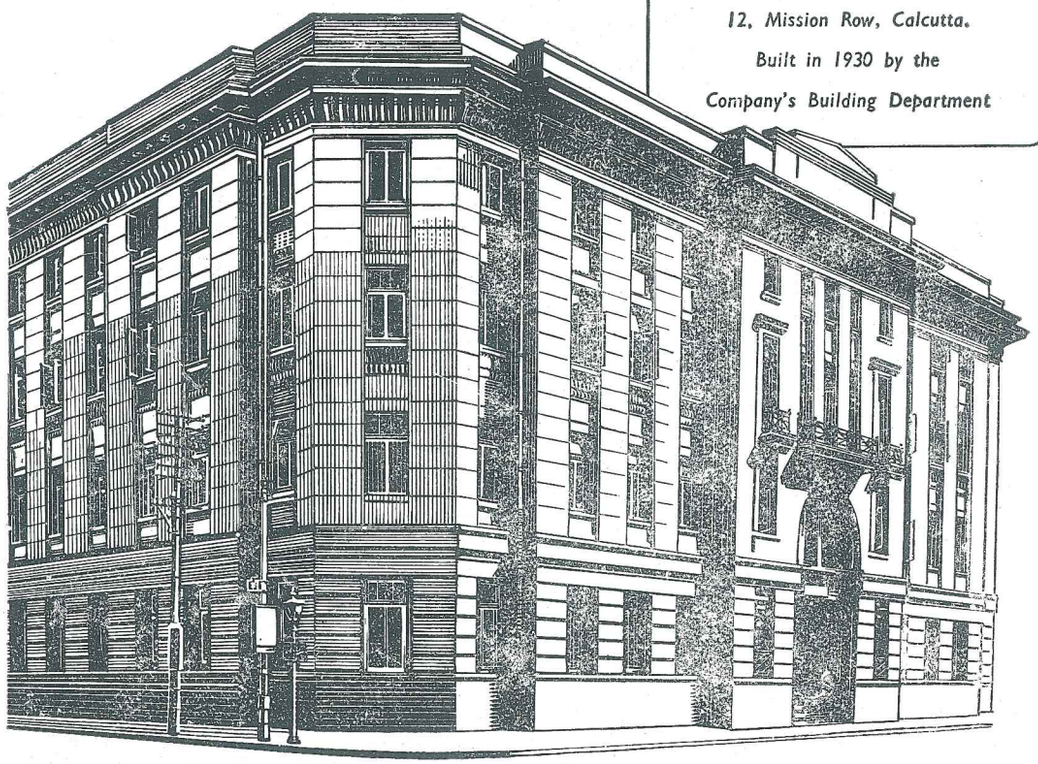
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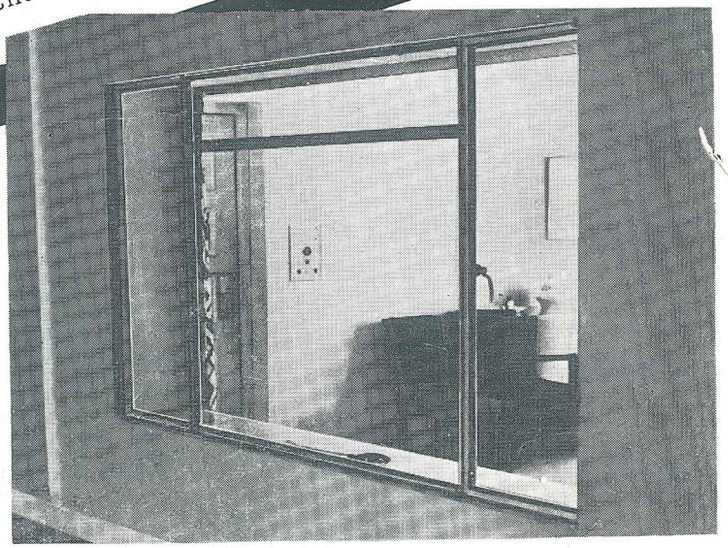
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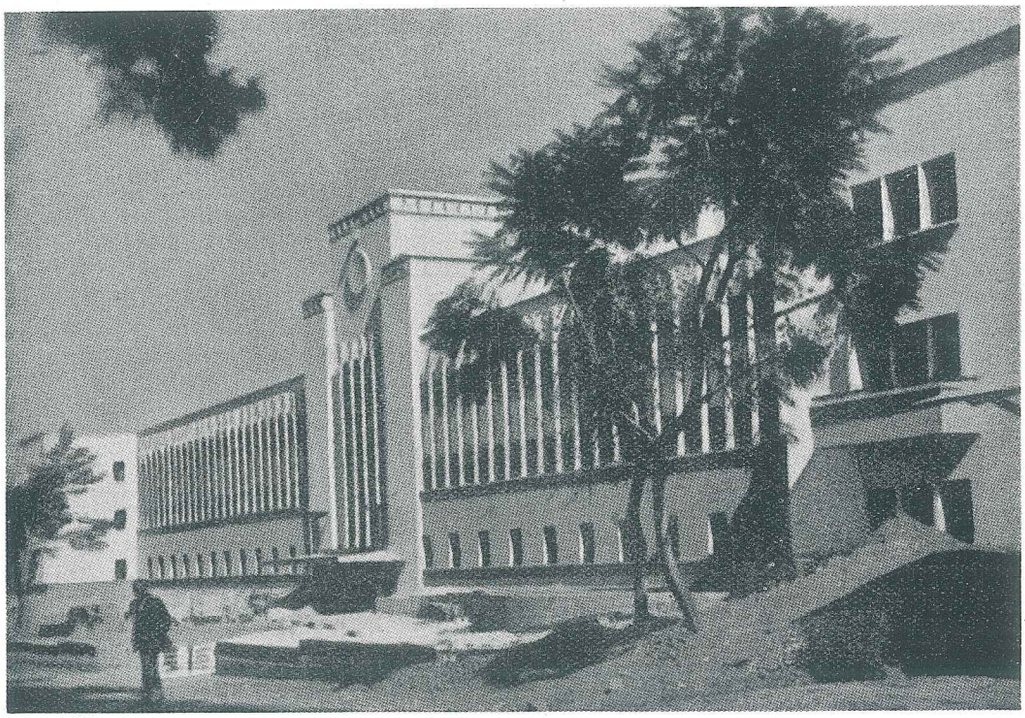
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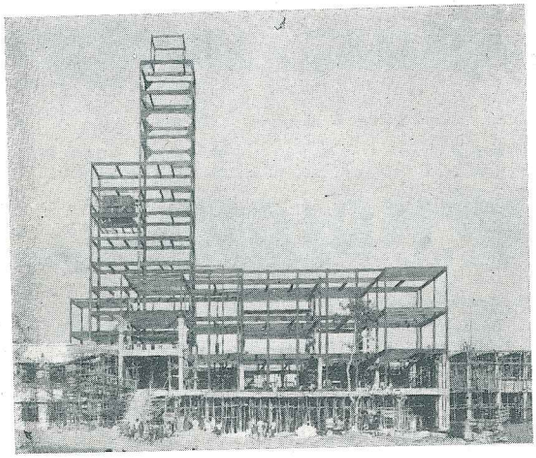
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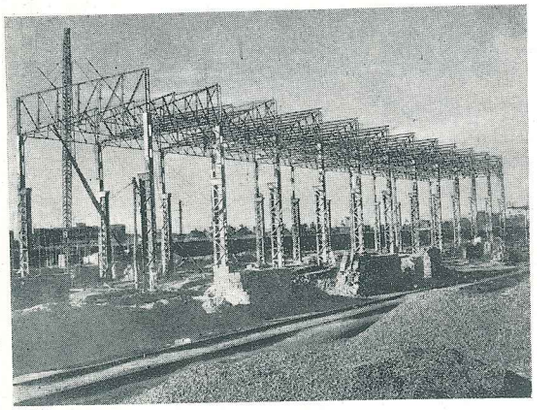
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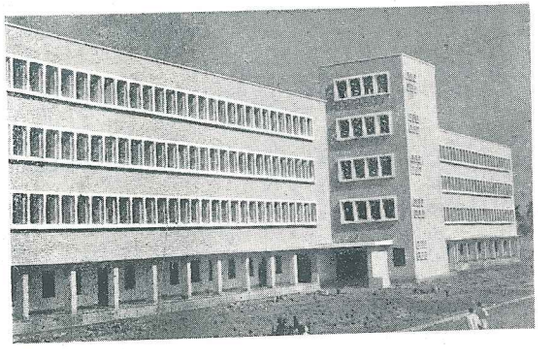
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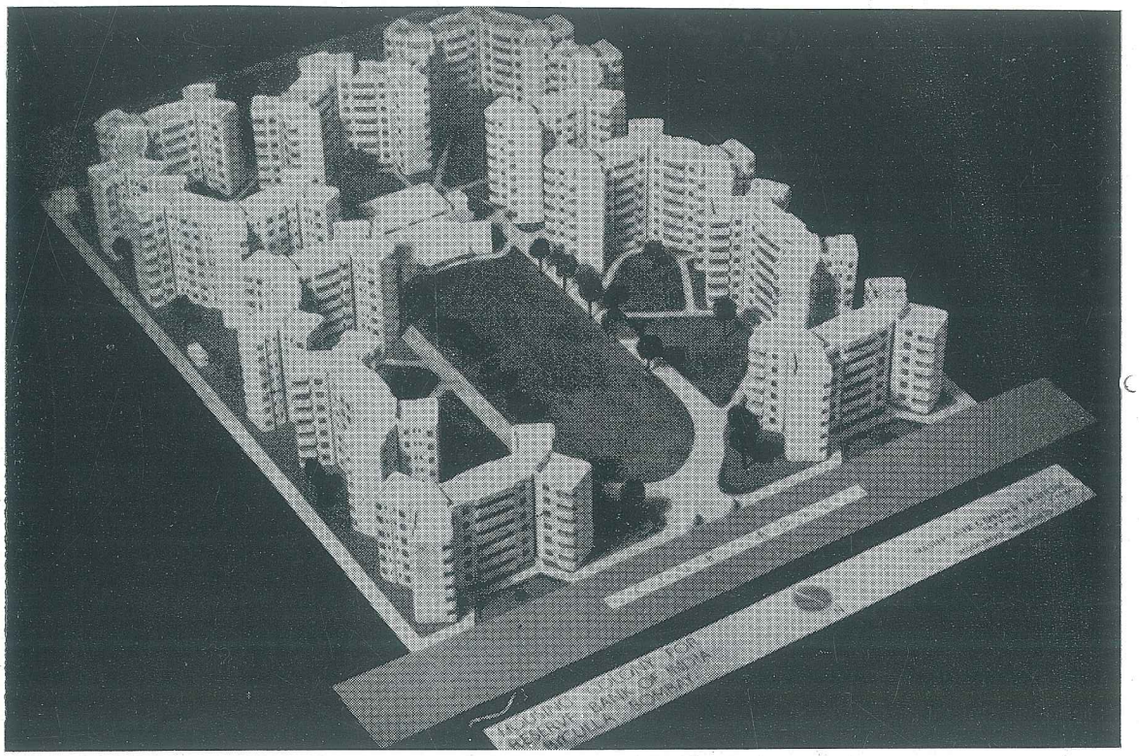


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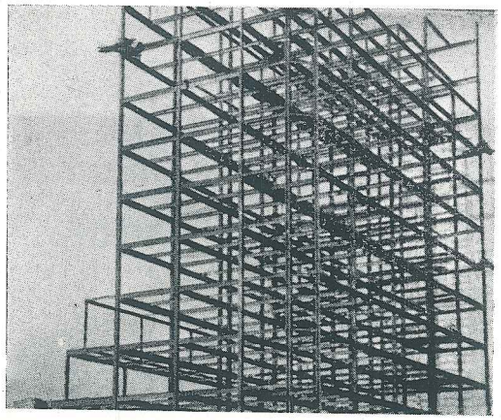
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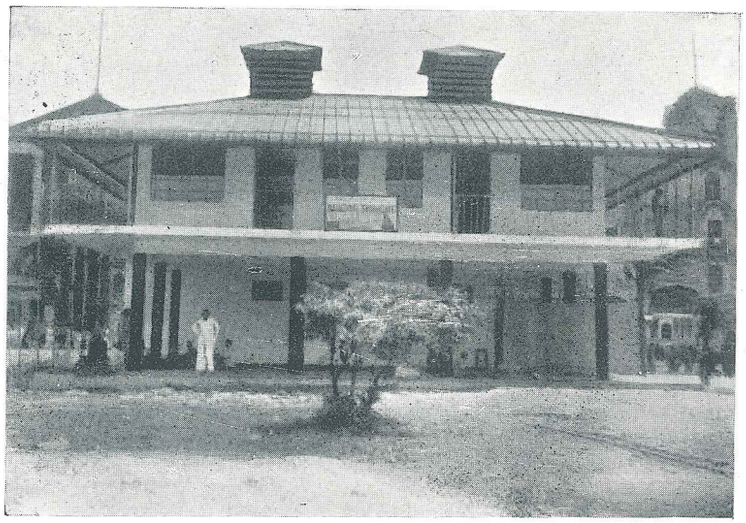
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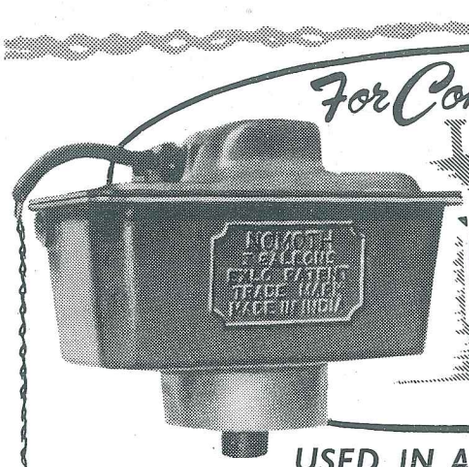
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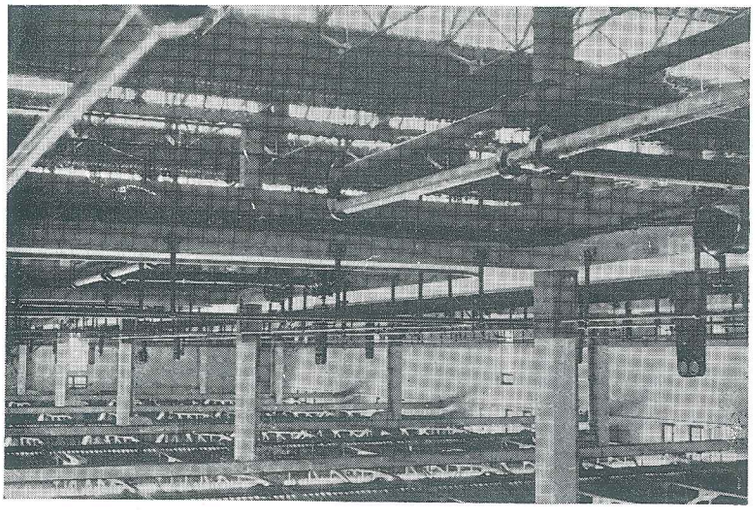
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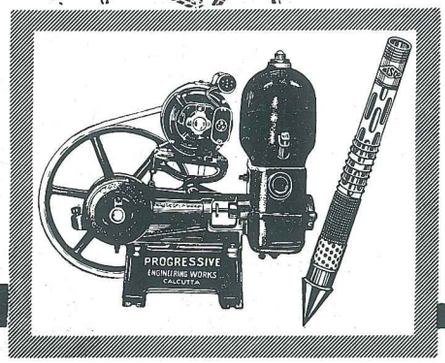
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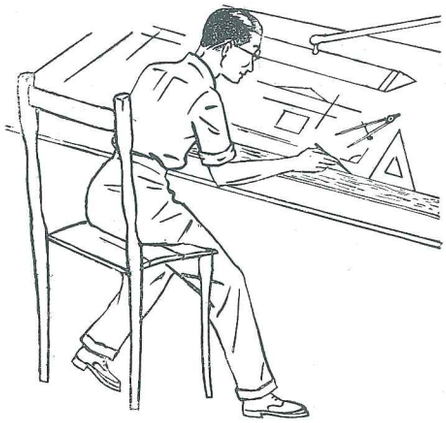
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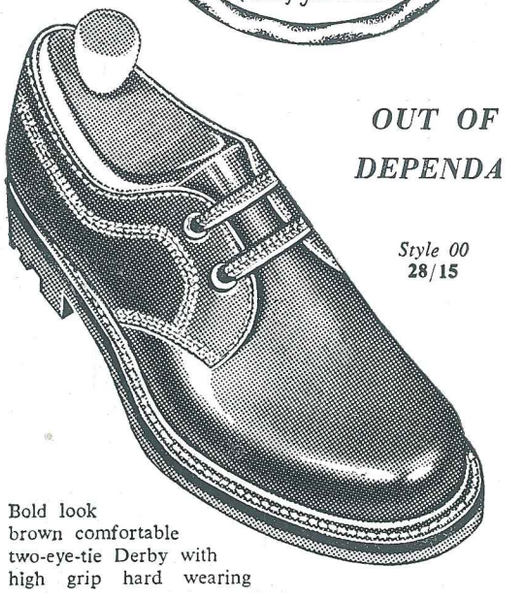
INDOOR COMFORT

Style 75
32/15



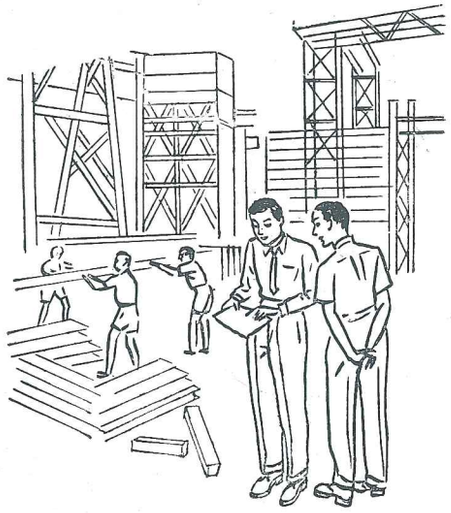
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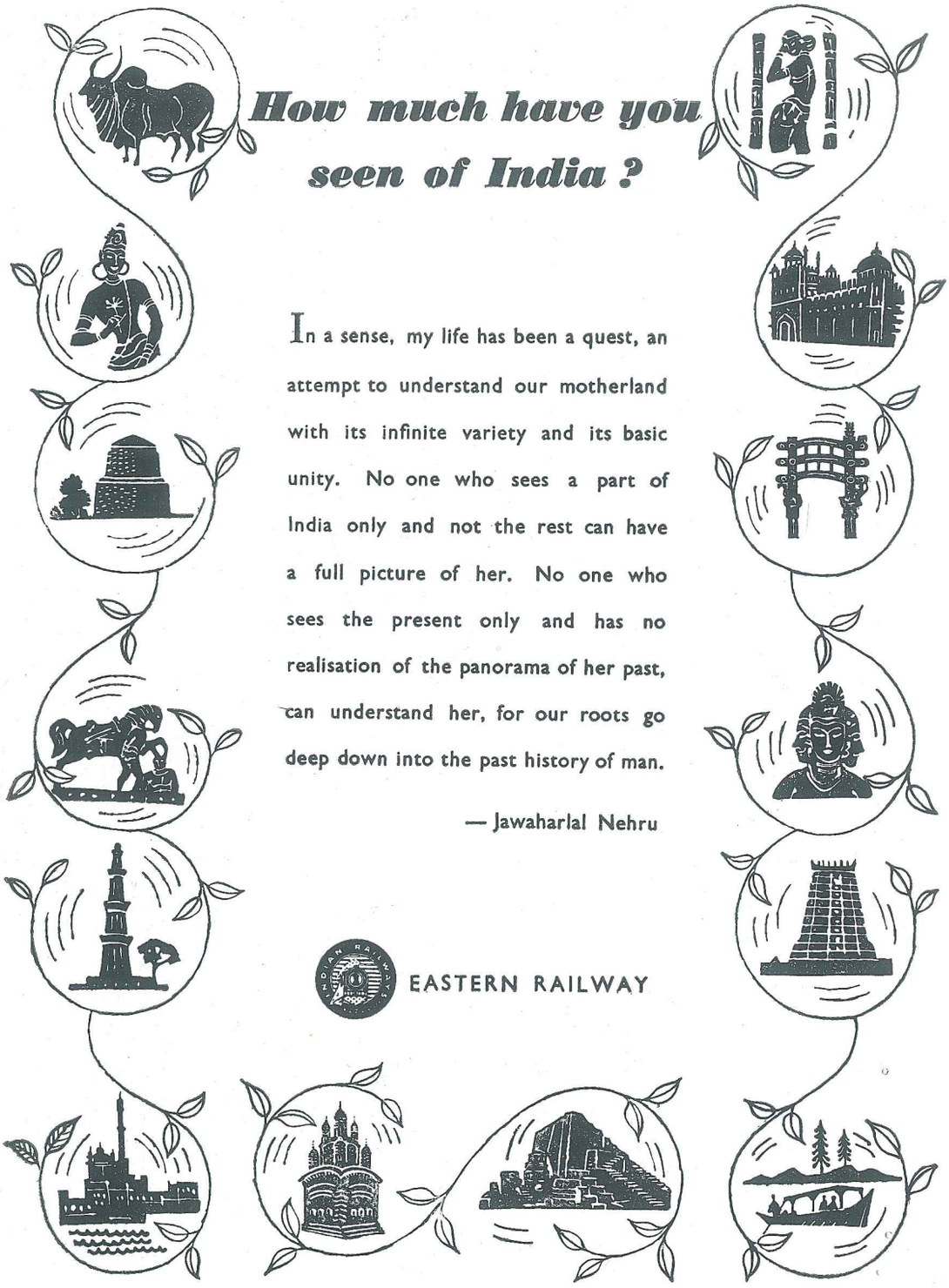
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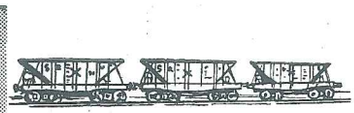


How much have you seen of India ?

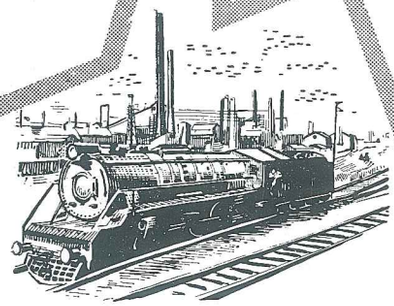
In a sense, my life has been a quest, an attempt to understand our motherland with its infinite variety and its basic unity. No one who sees a part of India only and not the rest can have a full picture of her. No one who sees the present only and has no realisation of the panorama of her past, can understand her, for our roots go deep down into the past history of man.

— Jawaharlal Nehru

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THE 'STEEL PLANTS' RAILWAY



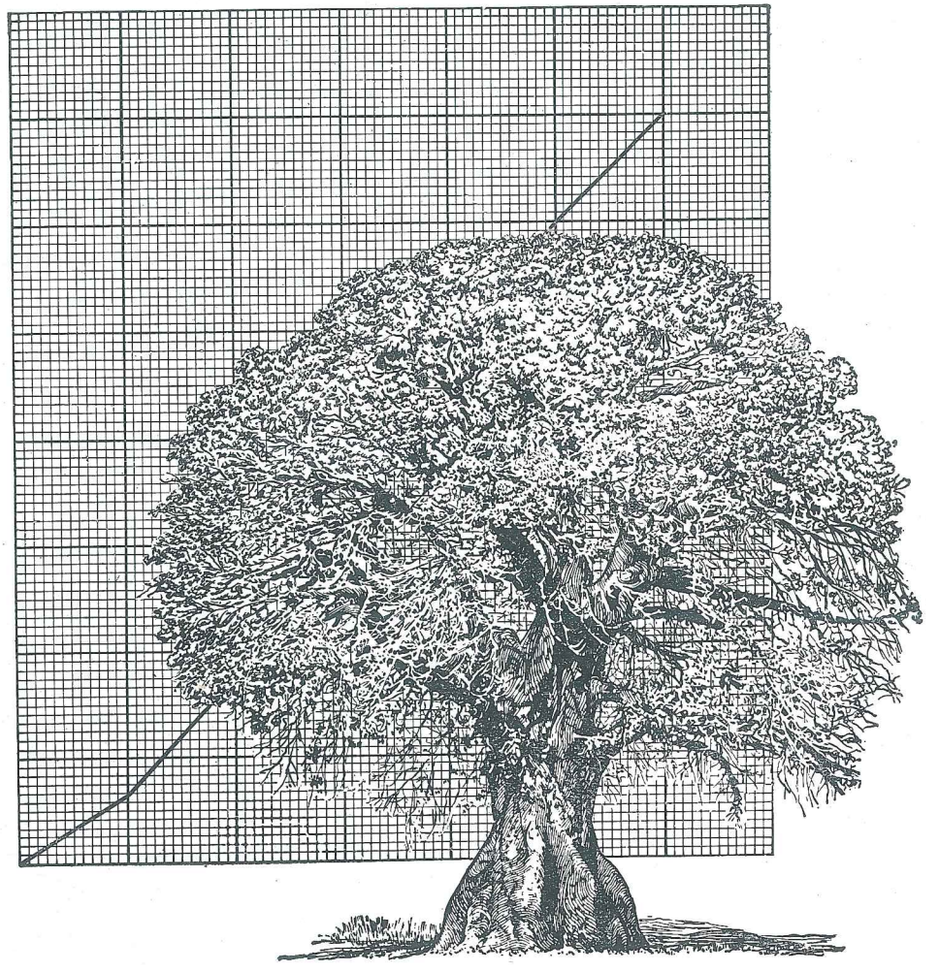
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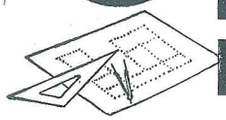
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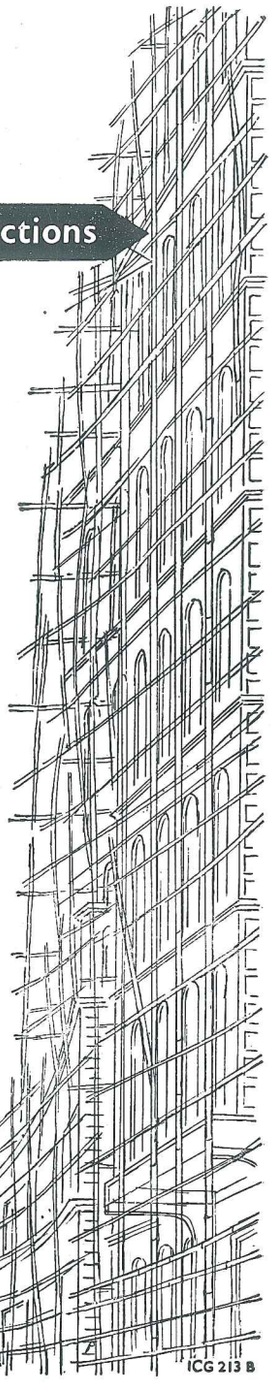
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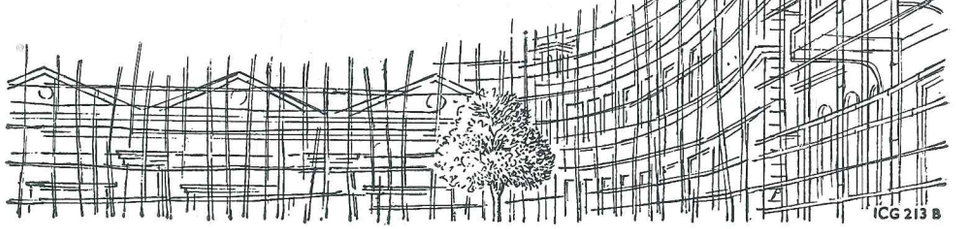
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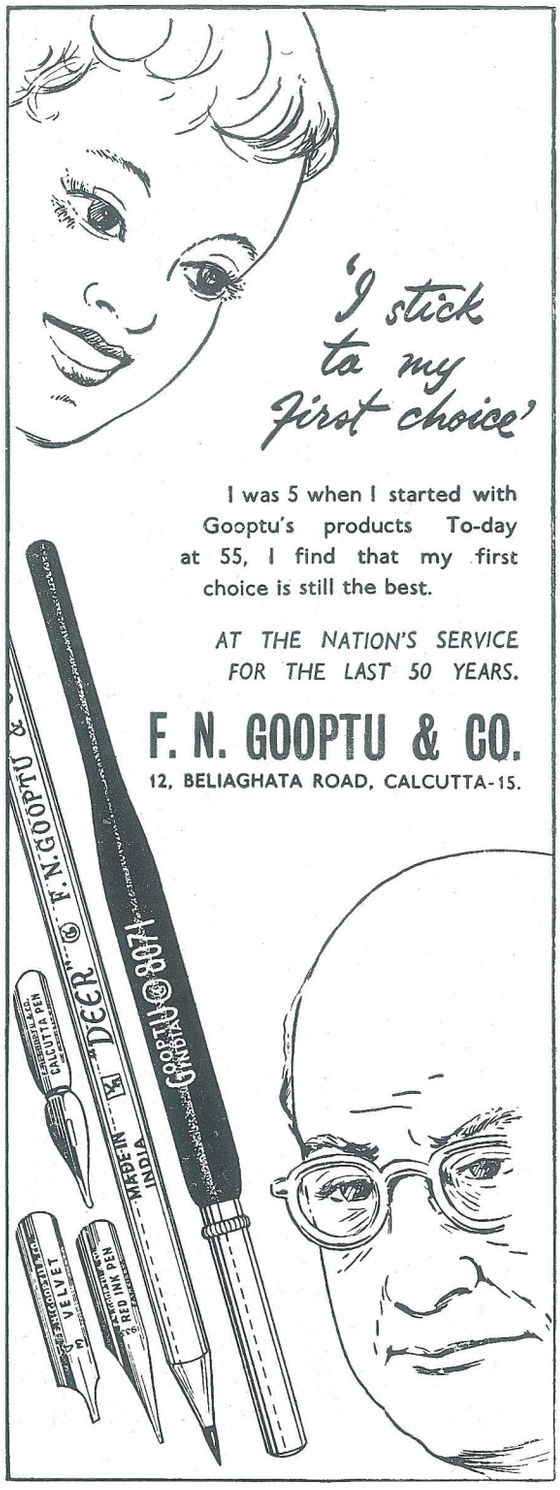
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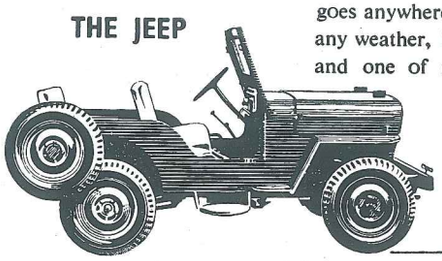
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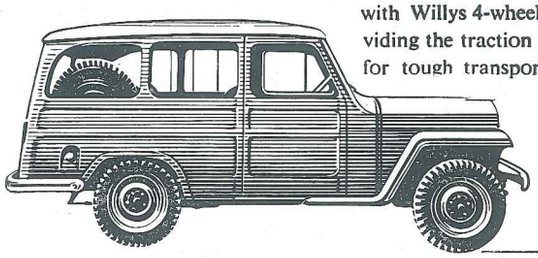
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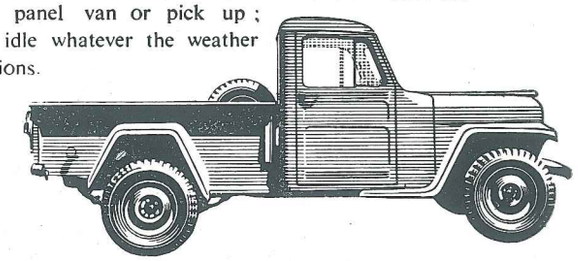
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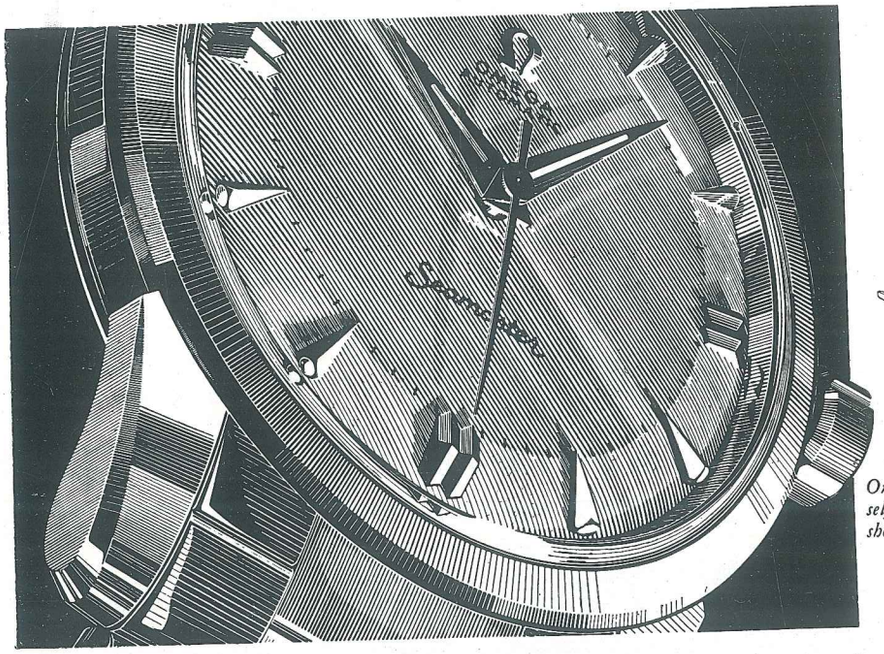
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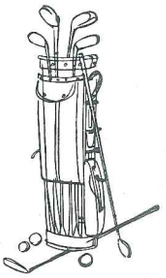
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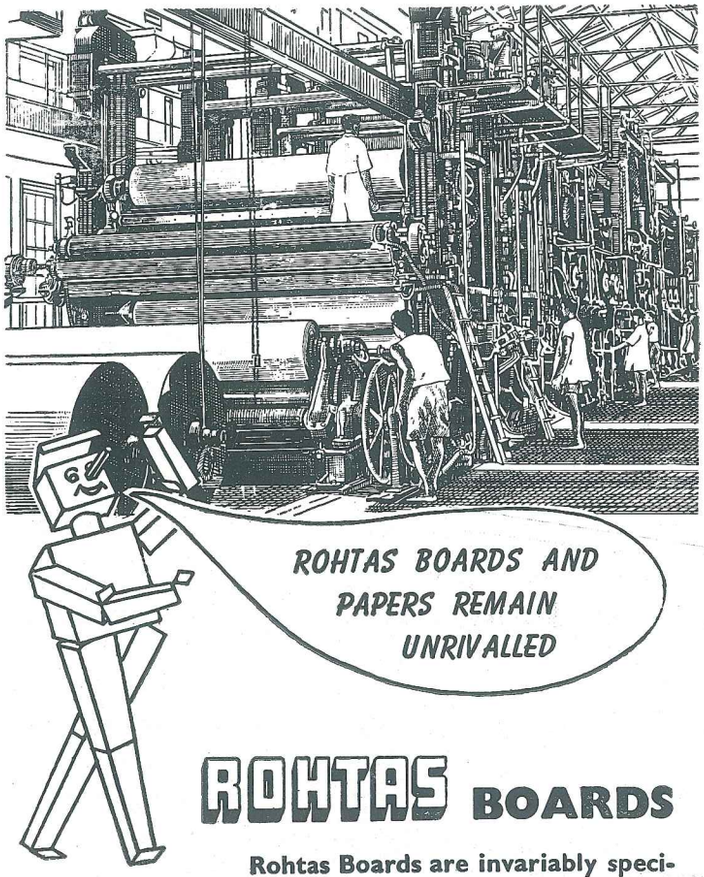
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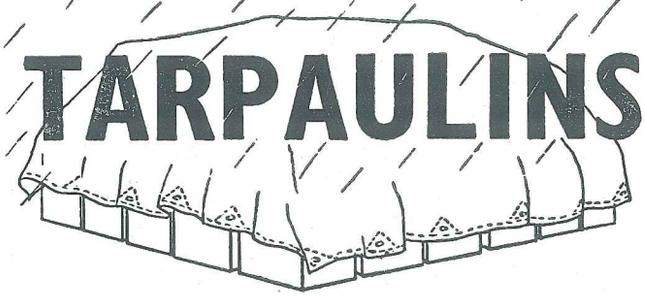
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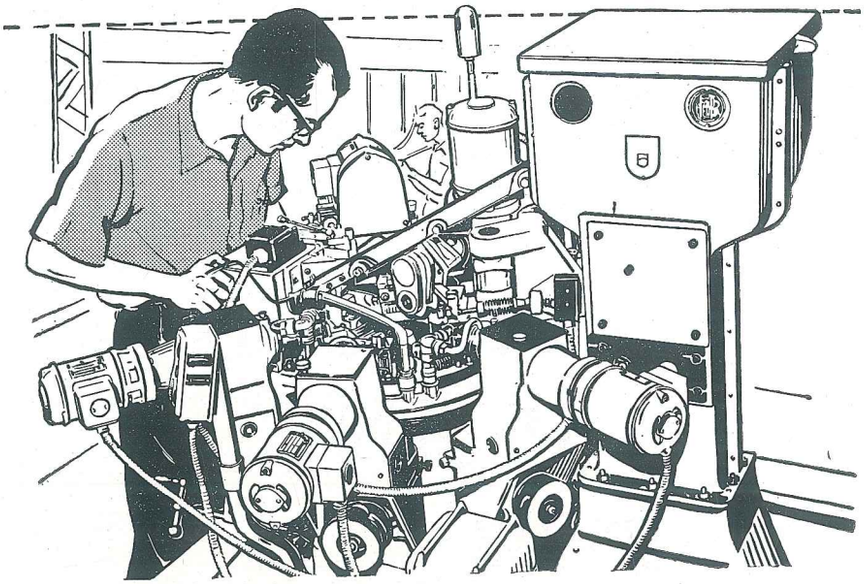
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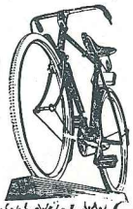
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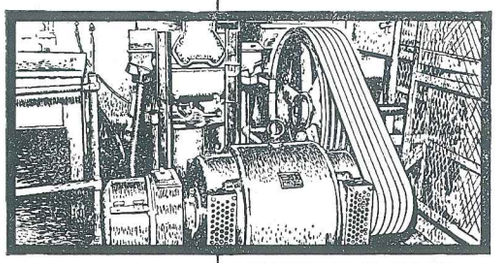
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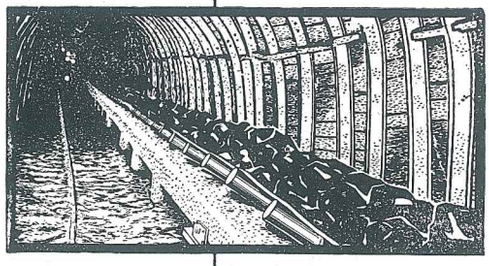
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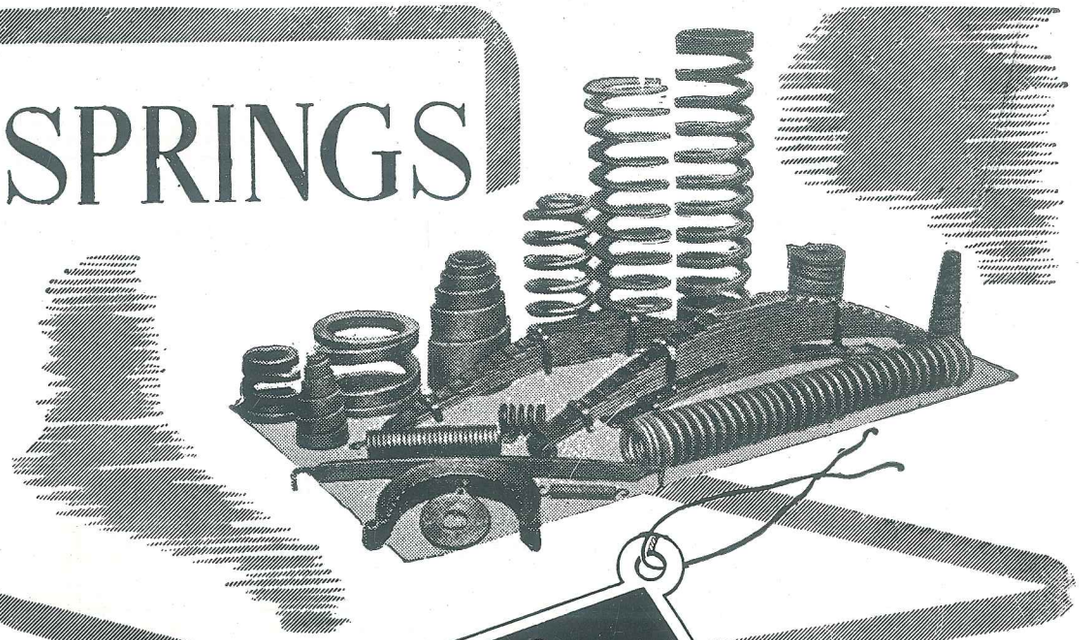
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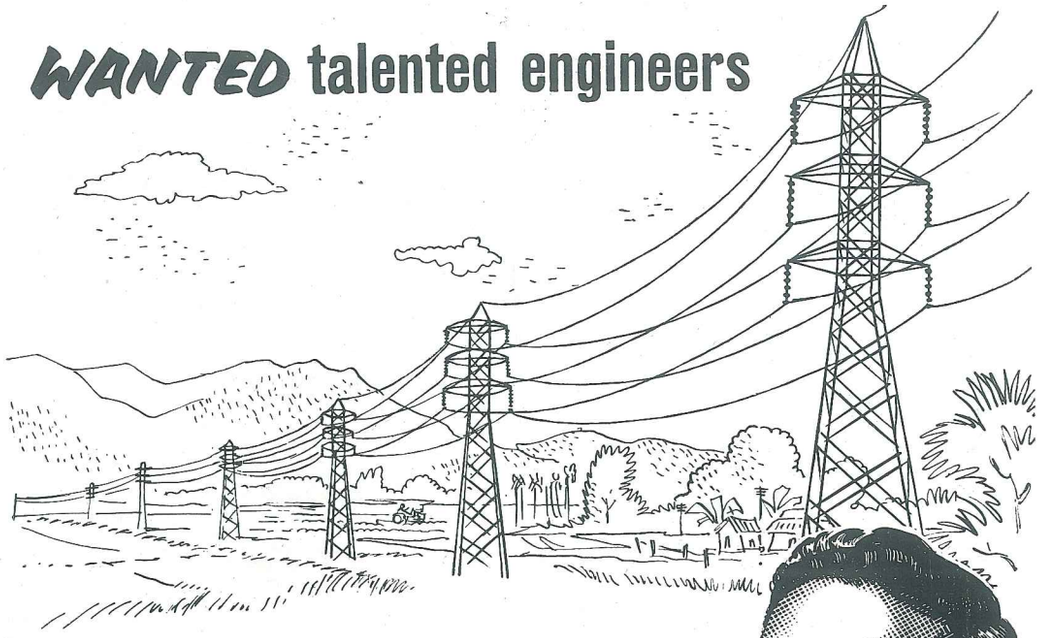
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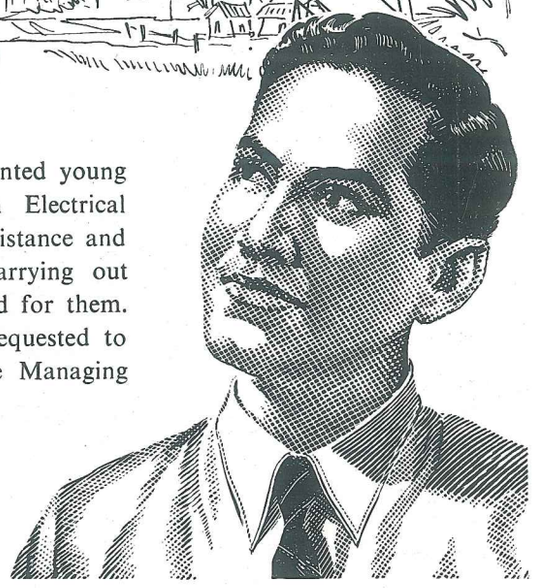
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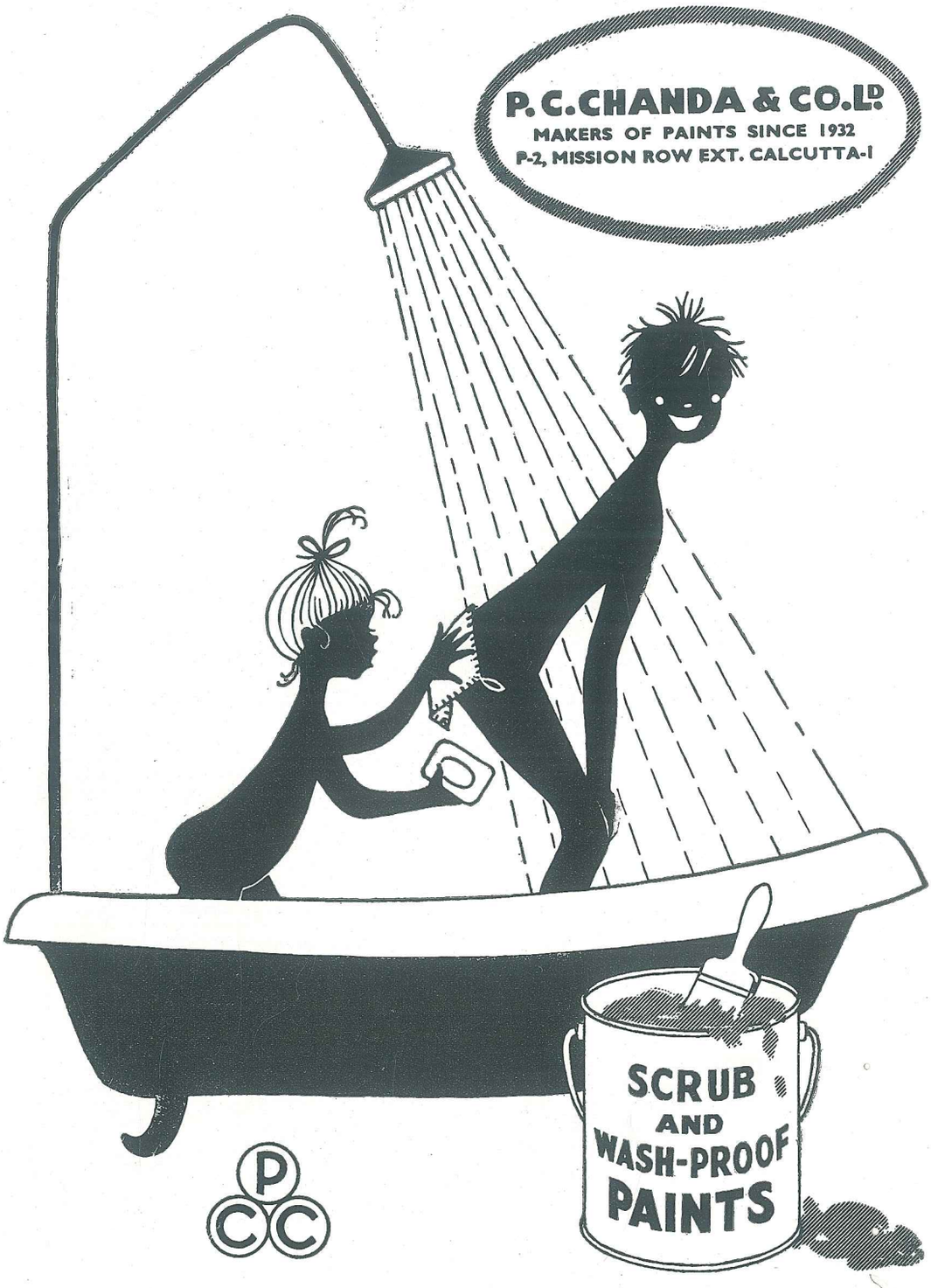
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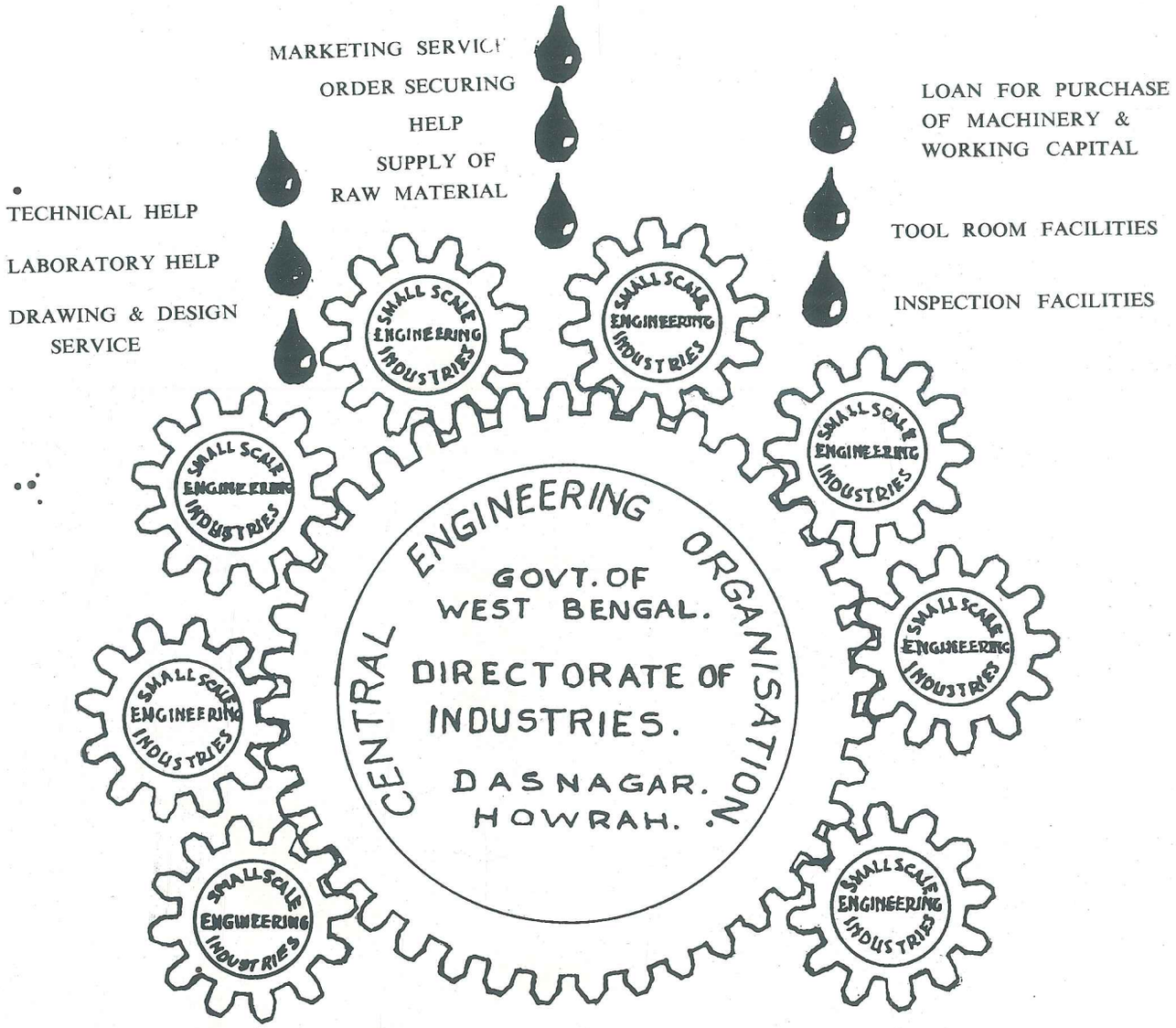
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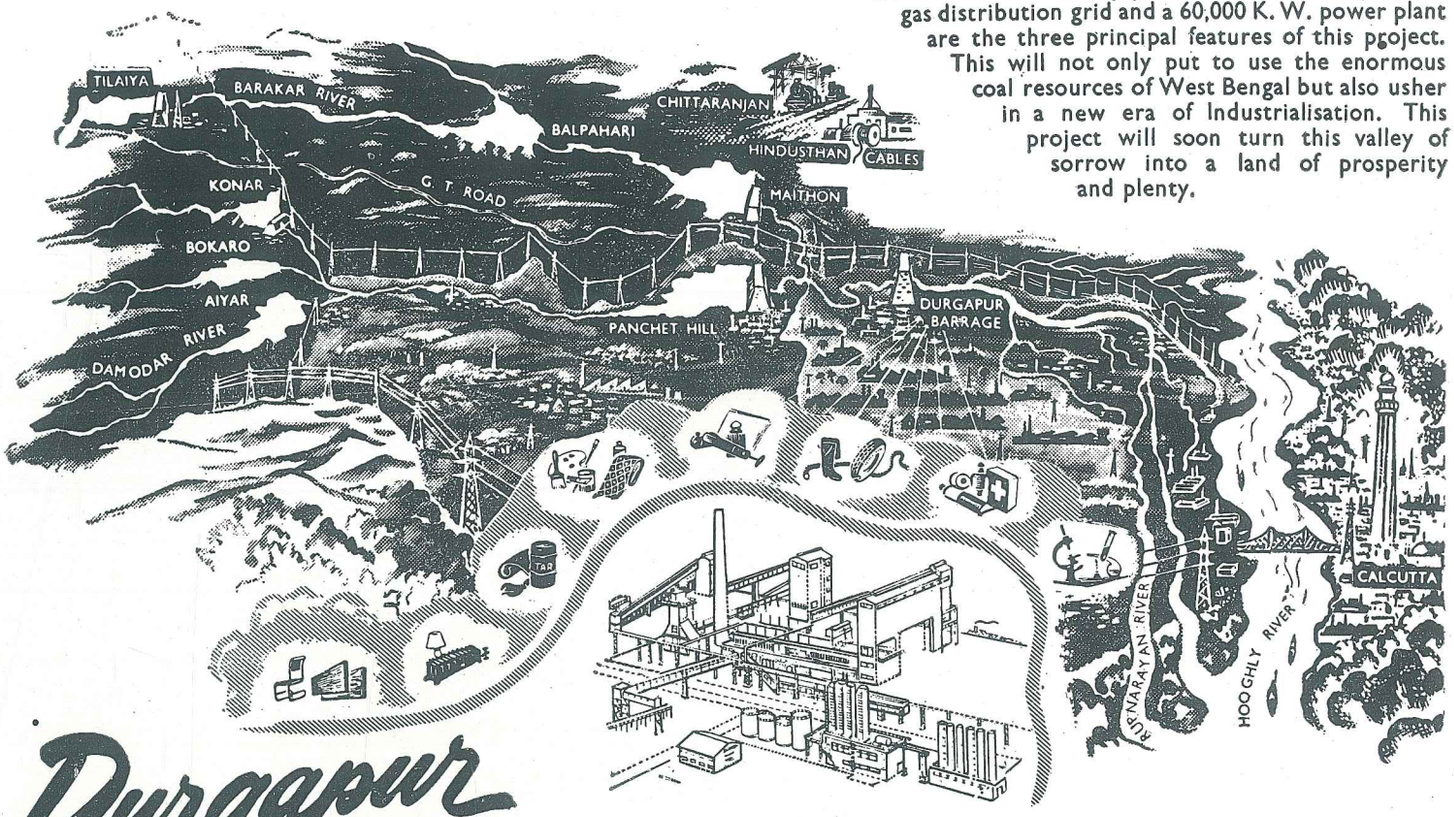
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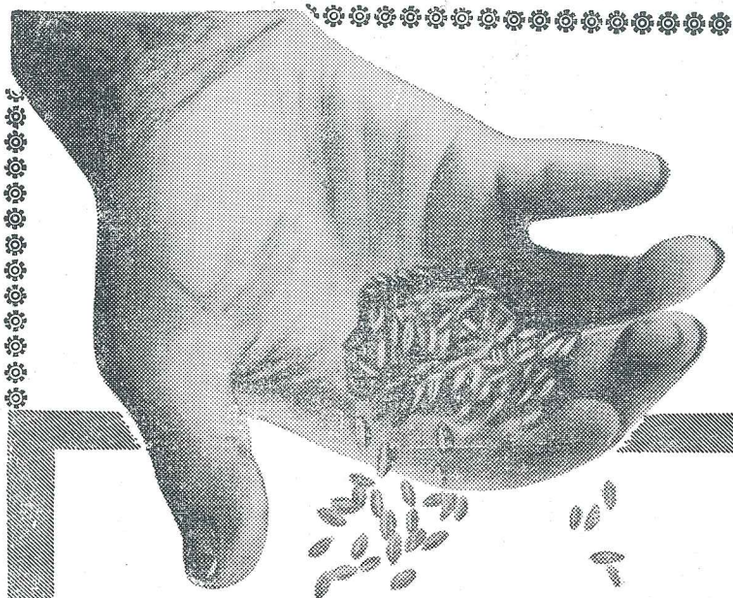
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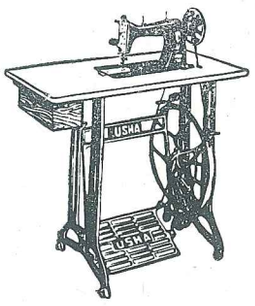


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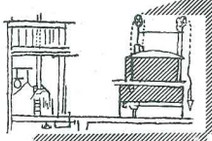
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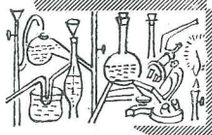
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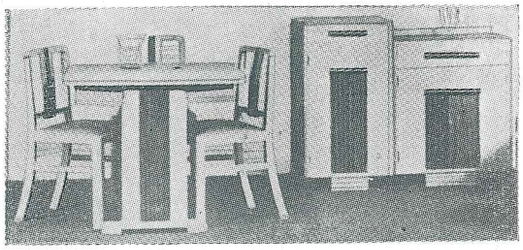


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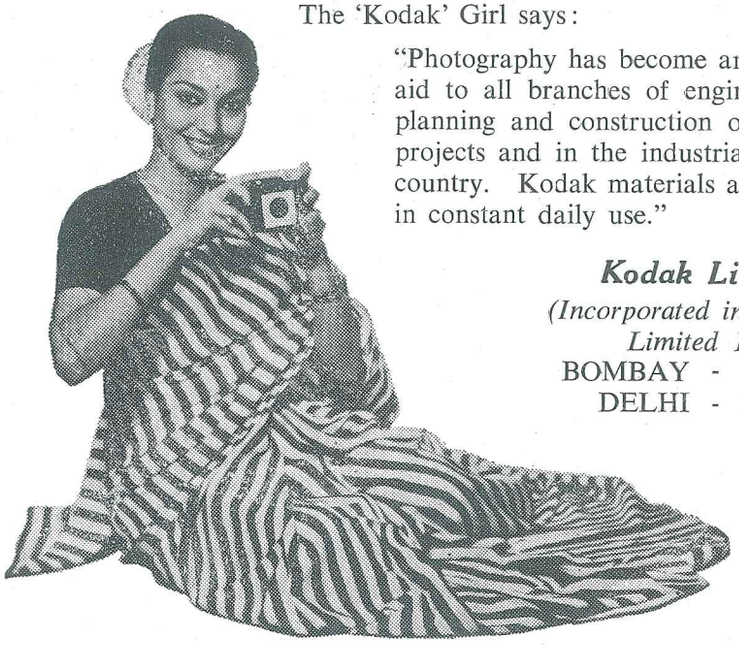
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