4/7/1895

Educational (1895) Department.

ORDINARY MS.

G.O., No. 411.

Dated 16th May 1895.

INDEXED.

[Despatch Abstract.]

COLLEGE OF ENGINEERING, MADRAS.

Recording, with remarks, letter from the Director of Public Instruc-
-tion furnishing the information called for in the review of Government
of the report on the -- for the year 1893.

BACK PAPERS.

G.O.	No	Department.	Date.	G.O.	No	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
C	682		95				
C	180		96				

Ed. Cor. 17. 2,000—29-3-94.

Ed

1895.

Educational Department.

From

THE DIRECTOR OF PUBLIC INSTRUCTION,

Madras,

To

THE HONORABLE THE CHIEF SECRETARY TO GOVERNMENT,

Fort St. George.

DESPATCHED 28 MAR 1895

No. 3727

Dated 27th
Despatched 30 } March 1895
Received Rec^d 29

No.

ENCLOSURES.

Subject.

Furnishing the information called for in the review of the report on the College of Engineering, Madras, for the year 1893.

HH

Ltr 16th May 1895 No 411

Order

Recorded.

2. Para 2 of the Director's letter will be referred to the P.W.D. for remarks.

3. With ref. to his remark at the end of para 4, the D.P.I. will be requested to state if the class in Other Engineering Colleges, corresponding to the Engineer Subordinate class in the Madras Institution is classed as apprentices of the College dept for statistical purposes.

8.5.95

13/5/95

To

The D.P.I. 980

-- P.W.D. para 2 of letter & order.

Note

It is understood that the question of abolishing the guaranteed appointment system in Madras has been referred to the Govt of I. in the P.W.D. Hence para 2 of the draft.

Comparative statement showing the expenditure, receipts and net cost to Government of the several Engineering colleges in India for three years.

Year.	Number of Students attending College	Number examined for certificates.	Number passed	Expenditure	Receipts	Net cost	Average cost per Student.
1	2	3	4	5 Rs.	6 Rs	7 Rs.	8 Rs.
Thomason Civil Engineering College, Roorkee.							
1890-91	171	105	104	1,59,382	30,605	128,777	753.
1891-92	172	94	92	1,57,219	23,735	133,484	776.
1892-93	187	104	100	152,400	27,942	126,458	676.
1893-94	189	107	103				
Civil Engineering College, Sibpur.							
1891-92.	230	84	49	79,989	9,759	70,230	305
1892-93	228	69	45	62,742	10,592	52,150	229

1893-94	277	77	49	70,384	12,965	57,419	207
College of Science, Poona.							
1891-92	98	72	53	106,146	7,990	98,156	1002
1892-93	114	100	83	106,954	7,680	99,274	871
1893-94	118	102	80	98,116	8,675	89,441	758
College of Engineering, Madras.							
1891-92	195	87	76	56,800	10,300	46,500	238.
1892-93	206	99	86	59,400	13,800	45,600	221.
1893	245	103	94	67,070	15,957	51,113	209.

The figures in Columns 3 and 4 include the numbers in the Artisan class, who appear for no college examination, but leave the college with an attendance certificate.

[True copy]

D Duncan

Director of Public Instn.

No 5926.

Forwarded to the Director of Public Instruction Madras with reference to this No 9843 dated 18th October 1894.

[illegible] A. W. Leach
Lieut Col R.E.

Offg Principal, College of Engg

Madras
23rd October 1894

OFFICE OF THE DIRECTOR OF
PUBLIC INSTRUCTION,
Madras, 27 March 1895.

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No. 3727.

From

THE HONORABLE MR. D. DUNCAN, M.A., D.Sc.,
DIRECTOR OF PUBLIC INSTRUCTION,
Madras,

To

THE HONORABLE THE CHIEF SECRETARY TO GOVERNMENT,
FORT ST. GEORGE.

SIR,

I have the honour to reply to the various points noticed in G.O., dated 16 June 1894, No. 443, Educational, reviewing the report on the College of Engineering, Madras, for the year 1893.

2. In para 2 of the above order, Government observed that if sufficient reasons were shewn for doing away with a year's apprenticeship which the Engineer students entitled to the guaranteed appointment is required to serve under the ruling of the Government

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Government of India, the matter would be duly considered by Government. The old rules of the college provided for the guaranteed appointment of Assistant Engineer on Rs 250 being conferred on a student on the completion of his theoretical course of two years. Since the re-organization of the college, the guaranteed appointment has been conferred at the termination of the practical course, that is, five years after the date of admission of a student into the college. This change was, as might be expected, considered a hardship, and the Engineer classes were unpopular for sometime. Were it not for the order of Government declaring qualified Engineer students eligible for

for appointments on the upper Subordinate Establishment of the P. W. D, and throwing open appointments on the Engineering establishments of Local Boards to men trained in the College, those classes would have considerably fallen in numbers. The new ruling that the assistant-Engineership on Rs 250 shall not be conferred until after a year's apprenticeship in the P. W. D, which means, in the case of the Madras College, that full six years shall elapse before the student who heads the list of successful students at the final examination and who has also passed the B. E. degree Examination, becomes entitled to a salary of Rs 250, is calculated to counteract the encouragement shown by

by Government in improving the
prospects of employment of Engineer
students. That this college is the
most unfortunate will be apparent
from the fact that the apprentice
Engineership is to be conferred on
the student of the college of
Science, Poona, after three years,
and on the student of the Thomason
college, Roorkee, after two years,
from the date of his first admission
into the college. The Madras
students would have been placed
on a somewhat equal footing
with Poona and Roorkee students
if the apprenticeship were ordered
to run from the date of conclusion
of

of the theoretical course of three years
or at least from the commencement
of the Works course; but in its
order, dated, 10 November 1892,
No. 800, Educational, Government
decided that the appointment
as apprentice Engineer will
continue to be made after the
completion of the practical course
of two years. I would urge that
the Madras College deserves especial
treatment in that its College course
(theoretical and practical) is much
longer and more elaborate.
As surmised by Major Lowe
it is probable that, while
drafting para 2 of the Resolution
of the Government of India
communicated

communicated with G.O. dated, 5th September 1892. No. 652. Educational, that Government assumed that the course in the Madras College did not exceed three years, and that it did not realize the peculiar Lordship the change in the designation and in the pay of the guaranteed appointment would cause to this institution in comparison with the others. If, therefore, the Government is not pleased to reconsider its decision that the apprenticeship should date only from the completion of the two years' practical course, it is submitted that the apprentice Engineer in Madras be paid an initial salary

salary of Rs 250 a month as heretofore.

I cannot conclude this subject without quoting the following remarks of Lt. Col. A. M. Smart, late ag: Principal College of Engineering, Madras.

"If the Government of India ruling is enforced it may have the effect of discouraging young men from entering the Engineer classes, and it would certainly be a matter for consideration for the successful Engineer student whether it would not be better for him to enter the Upper Subordinate grades at once and to take his chance there rather than go through a course of probation on Rs 100 per month only after he has successfully passed all his

examinations

examinations with the chance that he may be dismissed or removed at the end of his probation."

3. With reference to para 3 of the G.O. under reply, I beg to submit the enclosed statement which furnishes particulars as regards the comparative cost of the several Engineering institutions in India during the past three years. For the Roorkee College, figures for 1893-94 are not available, and therefore figures for 1890-91 are given so as to show the cost for three successive years. It will be seen from it that the Madras College is worked much more economically than the Roorkee and Poona Colleges.

4. As regards the present classification of accounts, I beg to submit that ever since the issue of the Proceedings of the Government of India, No 1/2-16, dated 6 January 1879, laying down the revised forms for Educational Annual reports, all the professional institutions have been divided into college and school departments, according as the students are prepared for a University degree or for examinations of a corresponding status, or only for examinations entitling the successful candidates to school certificates; and the charges have been divided between the two departments on the principle enunciated in para 8 of the rules approved in the Proceedings of

GO no 16 Ed 16-1-79

Please see the Note marked with the original GO 16 Ed 18-1-79

of the Government of India referred to above. This classification has not only not been contested by the Government of India, but has also been adopted in the annual Civil budget estimates. Strictly speaking the College of Agriculture should be treated as a school, since it does not prepare candidates for a University Examination. But, seeing that the students are for the most part undergraduates and that the instruction imparted is of a fairly high character, it has been treated as a College. It was, moreover, intended to introduce into the University a Bachelor of Science degree, with Agriculture as one of the subjects. But as far as the remark of Government under reference is concerned, the case of the College of Agriculture is not quite in point as its Junior (or the school department) has been abolished. As, however, the curricula for the Engineer Subordinate class are identical in some respects with those for the Engineer class, as the successful student of the former class is entitled to a diploma like the Engineer students under Article VII (a) of the College rules, and as admission into the Engineer Subordinate class is confined to Matriculates or young men possessing higher qualifications, there seems to be no objection to this class being treated, as proposed by Major Lowe, as

as forming a part of the College department.

5. I regret the delay in submitting this reply. The statement referred to in para 3 of this letter was received from the Principal, College of Engineering only towards the close of October last and I was not able, owing to press of other work, to take up this subject earlier.

I have the honour to be,
Sir,
Your most obedient servant,
D Duncan
Director of Public Instruction

When given for copying ____
When copied ____
When examined ____ } 189
When signed ____

READ AGAIN G.O., No. 189 , DATED

CURRENT No.

ENCLOSURES TO C. No

ORDER OF GOVERNMENT	A	A	A	A	A	A	A
LETTER OF GOVERNMENT.							
STATEMENT WITH DITTO.							
PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.							

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