

- (1) பக்கங்களின் எண்ணிக்கை 20
 (2) புதுக்கித் திருப்பிய நாள் 11/90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 6-2

தமிழ்நாடு ஆவணக் காப்பகம்.

(176)

தமிழ்நாடு அரசு

P. W. 1 துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2642	அச்சகம் பலவகை
நாள் : 21 — 9 — 1889 198 .		

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

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(10)

20TH JULY 1888, No. 429, EDUCATIONAL.

264

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—again the following papers :—

G.O., dated 16th November 1887, Mis. No. 627, Educational.

Read—the following letter from H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Madras, 31st October 1887, No. 7671 :—

I have the honor, with reference to the enclosed correspondence, to request the sanction of Government for the employment of Mr. G. H. Stuart as an Assistant Examiner to the Board of Examiners for the College of Engineering, under Article II of the Rules, and for paying to him from the balance of fees collected for the Surveying and Draughtsmen's examination in May last, and now with the Principal, the sum of Rs. 500 for the work, which comprises, I understand, all the higher mathematical work.

2. A meeting of the Board, at which the Principal was present, was held at my office to consider how the work allotted to the Board could be reduced to reasonable limits, and I decided to relieve the examiners of all work not of a final character. But even with this relief the amount of examining to be done, to which has been added the additional work consequent on the permission accorded by Government to failed candidates to appear again under the old rules, was, in my opinion, quite beyond what could fairly be demanded of the Board; and I therefore decided to allow, subject to the approval of Government, the employment of Mr. Stuart as proposed by the Board.

3. When the approaching examinations have been completed, I will ask the Board to again consider the details of the present system in view of limiting the examinations to reasonable dimensions. The examination is now unquestionably too detailed in each subject. The qualifications of the students can be sufficiently well ascertained without putting them questions in so many portions of the subjects studied.

Order—dated 16th November 1887, Mis. No. 627, Educational.

The employment of Mr. G. H. Stuart as an Assistant Examiner to the Board of Examiners for the College of Engineering at the next ensuing examinations, and the payment to him of Rs. 500 from the source indicated, is sanctioned.

(True Extract.)

(Signed) H. E. STOKES,
Chief Secretary.

To the Director of Public Instruction.
" Accountant-General.

G.O., dated 24th November 1887, Mis. No. 639, Educational.

Read—the following letter from H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Ootacamund, 13th September 1887, No. O-23J :—

In article II of the new rules of the College of Engineering it is provided that “the admission and all final examinations” are to be conducted by an independent Board of Examiners, whose remuneration is to be fixed from time to time by Government. The Board may employ assistant examiners with the sanction of Government. The decision of the Board in regard to the qualifications of candidates to be final. These rules came into force from the 1st January 1886.

2. The work of the Board in 1886, however, did not include the examination for draughtsmen and surveyors, whose

* Letter from the Acting Principal, College of Engineering, dated 25th April 1887 (requested to be returned).

examinations were still conducted by the College staff. * Towards the end of April last Captain Henderson brought the matter to my notice simply with the view of employing external examiners, and as the fees had been paid, and as the urgency of the arrangement did not admit of laying the case before Government, I approved his proposals.

3. The new rules provide [Article IV (6) and (8)] for the demand of fees for admission examinations only in the case of civil and mechanical engineers and of engineer subordinates. The fees for the final examination of draughtsmen and surveyors appear to have been levied irregularly under G.O., No. 95, dated 6th April 1866. I say irregularly, because that order contemplates the levy of a fee of Rs. 15 from candidates for certificates in surveying and not for a fee of half this amount from candidates in this subject and for fees of a similar amount from candidates for certificates as draughtsmen, and because that order must be held to have been superseded by the new rules.

4. As I thought the whole question regarding the examinations at the college needed revision in view of the above facts, of the fact that the examinations are not self-supporting, and of the fact that remuneration fixed for the Board in G.O., dated 2nd November 1885, Mis. No. 677, will not be adequate for the work which must finally devolve on the Board, I called on Captain Henderson to submit proposals for making the entire work falling on the Board under the rules self-supporting. His proposals are embodied in his letter (requested to be returned), No. 231-C., dated 19th August 1887.

5. The remuneration of the present Board was fixed by Government at the present figures on my recommendation (letter No. 6139, dated 15th September 1885, recorded in G.O., dated 12th October 1885, Mis. No. 632). I considered it undesirable to remunerate the members of the Board on the university system. Dr. Duncan, however, held a different view, I presume, because the remuneration did not vary with the amount of work, and recommended a fixed scale of remuneration in his letter No. 8080, dated 4th December 1886. The Government, in G.O., dated 8th January 1887, Mis. No. 21, declined to sanction the increase suggested. The total present remuneration is Rs. 1,800. At the rates proposed by Dr. Duncan, the aggregate remuneration would have been about 25 — 30 per cent. higher, whilst he apparently contemplated confining the work of the Board to the examinations relating to civil engineers, mechanical engineers and engineer subordinates.

6. I think the scale of remuneration originally proposed by me will be too low, as observed by Major Henderson, when the new scheme is in full working. Major Henderson, however, includes term examinations in the Board work, whilst the intention of the rules is simply to dispose of certain subjects in the courses for engineers and engineer subordinates at term examinations [Article V 1 (a) and 2 (a)]. But I consider that the candidates concerned should bear the full cost of maintaining the Board.

7. I propose therefore to raise the remuneration from the 1st November next, when the second year of the Board's life expires, to the following amount :—

	RS.
President	900
Two members at Rs. 700 each	1,400
Assistants	250
Total	2,550

This sum, I would observe, is but little above that suggested by Dr. Duncan for work which does not represent more, I should say, than two-thirds of the work which will devolve on the Board by requiring them to conduct the examinations for surveyors and draughtsmen. An additional sum of about Rs. 250 must be provided for assistant examiners for the vernacular and field test work.

8. To meet this outlay I propose to fix the fees for admission and final examination as follows :—

	RS.
Admission, Engineer class	20
Do. do. Subordinate class	15
Final, Engineer class	20
Do. Subordinate class	15
Do. Draughtsmen	10
Do. Surveyors	15
Intermediate, Engineer class	10
Do. Subordinate class	6

9. At these rates the several examinations should produce an income of not less than Rs. 2,550 annually. This estimate is based on the following figures :—

	No. of candidates.	Fees.	Total.
		RS.	RS.
Admission Examination, Engineer class	15	20	300
Do. do. Subordinates	35	15	525
Final Examination, Engineer class	10	20	200
Do. Subordinate class	25	15	375
Do. Draughtsmen	35	10	350
Do. Surveyors	20	15	300
2 Intermediate Final Examination, Engineer class, 10 candidates in each year	20	10	200
2 Intermediate Final Examination, Subordinate class, 25 candidates in each examination	50	6	300
Total			2,550

10. I propose that, as regards the Engineer and Subordinate Engineer classes, these new rates should not affect students already in the college, but should apply to surveyors and draughtsmen from the end of the current year.

11. As regards the constitution of the Board I would recommend, on the expiry of the three years for which the present Board has been appointed, that the Board be constituted as follows :—One Royal Engineer or Civil Engineer officer of the Public Works Department, one Civil Engineer not in Government employ and a Mathematician when practicable, one officer of the Educational Department. My object in making this recommendation is to secure the representative character of the Board, and also the presence on the Board of an officer who has kept up his knowledge of the higher mathematics. This is not to be expected of officers whose work has been for years of a practical and executive character.

12. Should these suggestions be approved by Government, I will submit a draft notification for their approval, embodying them in the College Code of Rules.

13. Should, however, the Government not be prepared to raise the fees in the way proposed, I would suggest, as an economical alternative arrangement, that the conduct of the examinations concerned be transferred from 1st January 1888 to the

Commissioner for the Uncovenanted Civil Service Examinations to be included among the examinations held under notification, dated 31st March 1886, through the agency of a "Board of Professional Examiners," as provided in article 4 of that notification.

Order—dated 24th November 1887, Mis. No. 639, Educational.

Pending further experience of the working of present arrangements, the Government are not prepared to alter the decision recorded in G.O., dated 8th January 1887, No. 21, Educational, and from the correspondence recorded in G.O., dated 16th November 1887, No. 627, it would appear that, if further expenditure is proved to be necessary, it should be spent on strengthening the Board and not on increasing the stipends of members.

2. The Government approve of the principle that the examiners of the college should, as far as possible, be conducted by examiners unconnected with the staff, but they are not disposed to sanction the proposal to charge fees for the intermediate examinations, which form a part of the college discipline. The fees specified in paragraph 8 of the foregoing letter are accordingly approved, with the exception of those for the intermediate classes, and subject to the limitation proposed in paragraph 10.

(True Extract.)

(Signed) H. E. STOKES,
Chief Secretary.

To the Director of Public Instruction, with two enclosures.

READ—also the following paper:—

From H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Ootacamund, 27th June 1888, No. O-300.

With reference to G.O., dated 24th November 1887, No. 639 (Educational), I have the honor to submit, for the consideration of Government, a report (requested to be returned) from the President of the Board of Examiners, College of Engineering.

2. In the first place I would draw the attention of Government to the fact that the intermediate examinations to be held by the Board under Article 5 (a) of the College Rules are really the final examinations in the subjects or branches of the subjects concerned. The Board strongly advocate the retention of the system of examining finally in certain subjects at the close of the first or second year of the course, and their reasons may, I think, be accepted, although, to my thinking, the system is too schoolish and cumbersome, and makes public examination rather an accessory of education than its final test.

3. In view of the above recommendation I hope the Government will sanction the levy of fees at final examinations held during the course at the rates mentioned in paragraph 9 of my letter recorded in the Government order above read, substituting for "subordinate class" the words "other classes," as I observe that the Board propose to examine draughtsmen and survey students at the end of the first year finally in certain subjects. I submit a draft notification for the approval of Government.

4. The next point raised is the constitution of the Board and its remuneration. It will be observed that the Board recommend a board of three members with three assistant examiners, one for mathematics, one for science, one for Tamil and Telugu. I entirely object to the transfer of the mathematical work to an assistant examiner. The standard of study in mathematics is very high, and, as proposed in my letter, should devolve on a member of the Board. I therefore do not support their proposal. If the work is too heavy for one examiner, it can in the less advanced subjects be well shared by the engineering examiners, who have until this year done the work unaided. The other two assistant examiners are necessary.

5. As regards the salaries of the staff the Board propose to give the President and the members the salaries recommended in paragraph 7 of my letter, and in addition Rs. 500 to the mathematical assistant examiner, Rs. 200 to the science assistant

examiner, and Rs. 150 to the assistant examiner for vernaculars. There is no sufficient reason, I think, for varying my former recommendation beyond raising the provision for assistant examiners from Rs. 250 to Rs. 350. I certainly do not see my way, in view of the fact that the classes are at present very weak (they averaging less than half the strength on which my calculation was based), to proposing a material increase in the cost of the Board, whilst on the other hand I believe it would not be practicable to secure good men to sit on the Board if the additional sum required for assistant examiners, Rs. 500, is to be taken out of the Rs. 2,300 to be allotted to the Board of three members, for I fancy few specialists will undertake the work of the Board if the present rates are not raised. The fees for this year will probably not much exceed Rs. 1,000, thus leaving a net charge on provincial for the Board of Rs. 1,500 approximately.

6. The Board will complete their three years' term as a board next month, and I take this opportunity of proposing the constitution of a fresh board, under article II of the notification, as follows:—

President.

Major Coaker, R.E., Public Works Department.

Members.

Mr. G. H. Stuart, Educational Department.

„ J. A. Jones, M.I.C.E., Vice-President, Madras Municipality.

The assistant examiners will be selected later.

ORDER—dated 20th July 1888, No. 429, Educational.

The permanent addition to the Board of Examiners for the College of Engineering of an assistant examiner for science on a yearly remuneration of Rs. 250 is approved, but, in view of the small proportion borne by fees to the total cost, the Government cannot sanction the proposed enhancement of the remuneration paid to the President and members. With the addition of the assistant now sanctioned, the Board will cost Rs. 2,125 a year.

2. The Director's remarks in paragraph 4 of the foregoing letter on the objections to the delegation of the mathematical work to an assistant examiner are concurred in by the Government, and the constitution of the Board recommended in paragraph 6 is approved.

(True Extract.)

J. F. PRICE,
Ag. Chief Secretary.

To the Director of Public Instruction, with enclosure returned.

„ Public Works Department.

„ Accountant-General.

Exd. J. Moses.

2642

3

Order. No. 24706 of 14-8-88

Gobt. of (1888) Madras.
EDUCATIONAL.

*Recorded
Sd/- J. A.*

Issued

Recd.

Encl.

G.O., 20th July 1888, No. 429.

JULY.

College of Engineering.

Approving of the permanent addition to the Board of Examiners for the — of an Assistant Examiner for Science and the constitution of the Board recommended by the Director of Public Instruction, but declining to sanction the proposed enhancement of the remuneration paid to the President and members of the Board.

No. 24706 of 14-8-88

1888.

P. W. DEPARTMENT.

Current No. 8639

From

Major W. H. Coaker R.E.

ENCLOS.—

No. —

Dated *29 August 1888*

Received *29 — do —*

SUBJECT.

Requesting that he may be relieved of the appointment as President of the Board of Examiners, College of Engineering, under certain circumstances explained.

DISPOSAL.

No. *3543* Dated *4 September 1888*

Transferred to the Educational Department

*(Sd) J. O. Hasted Col. R.E.
Secy. to Govt P.W. Dept.*

Sd/- 10/9

4

Sd/- 10/9

Sd/- 10/9



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper

From the Public Works Department, d/4" September 1888, No. 3343C.

From the Director of Public Instruction, Madras, d/26 September 1888, No. 7109C, submitting recommendations for filling up vacancies in the Board of Examiners, College of Engineering.

Order 4 October 1888, No. 583.

The Government approve of the Director's nomination of Captain Baddeley, R.E., as President of the Board of Examiners for the College of Engineering, and they sanction the proposed temporary appointment of Mr. W. N. Pagson as an additional examiner for the year ending June 1889 on a fee of Rs 500.

2. The Director will ascertain and report whether Mr. Stoney is willing to

to serve.

3. Major Barber's resignation
is accepted.

True Extracts

W. B. Barber

Under Secretary
to the Chief Secy

7.

The Director of Public Instruction
" Public Works Department ✓
" Accountant General.

2. A. D.

2642

6

2470 W 7 4/8/88
3343 C 7 4/9/88

Gobt. of 1881 Madras.

To

The P.W.D.

Proceedings, dated 4 October 1888
No. 583

Subject.

Approving the nomi-
-nation of Captain
Baddley R.E. as Presi-
-dent of the B^d of Exa-
-miners for the College
of Engineering

TB

Recorded
Recorded

9.10.88

9/10/88

Copy to Capt. Baddley
Capt. Baddley

[35]

Educational Department.



2642

PROCEEDINGS OF THE MADRAS GOVERNMENT.
Read again 30th October 1888, no 583
also
Read the following paper

From the Director of Public Instruction, dated 29th
October 1888, no C. 79.

Order:- 21st November 1888 No 684

The Government approve of the Director's
nomination of Mr. E. W. Stoney of the Madras Railway
Company as a member of the Board of Examiners for
the College of Engineering.

(True Extract)

(Sig^d) J. F. Price

Chief Secretary.

(True Copy)

A. G. Cardew.

Under Secretary

Copy to Public Works Dept.
- Director of Public Instruction
- Accountant General.

2642

8

3198 W 7/10/10/88
2470 W 7/4/88

Colt. of 188 Madras.

3726 W 27.11.88

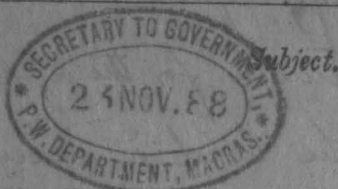
B

Commodore
The Commr: Engr: for
the Govt. Engr: for
Ryys

M.H.
23/11/88

Wm
26.11.88

Proceedings, dated 21.11.1888
No. 684



3726 W 27.11.88

Nominating Mr E.W.
Money of the Madras
Pg. to serve on the
Board of Examiners
College of Engineering

C.E. for Ryys.
Commr. Engr. for Ryys

Deskd
27/11

8-30/11 3/12

with order
with order

26]

Educational Department.

2642



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

From the Director of Public Instruction, dated 22nd August 1889 No. 7131.
With reference to G.O. Educational, No.
3198 W 7/10.10.88 5838 of 4th October 1888, sanctioning the appointment of Mr. A. Pogson
as an additional examiner for the year ending June 1889, Captain
Baddley, the President, Board of Examiners, College of Engineer-
ing, requests that sanction of Government may again be ob-
tained for the appointment of Mr. Pogson for the examination
to be held in December next. Captain Baddley states that
the services of Mr. Pogson are essential for the examinations in
Drawing, and that it would be impossible for the work to be properly
carried on by the Board without the assistance of an examiner
who can devote a very considerable amount of time to the prepa-
ration of the numerous papers required for drawing and Estimating.
As regards remuneration the usual sum of Rs 500 is recom-
mended.

2. As Examiners in Science and for conducting
the Vernacular examinations, Dr Van Gyzel and Mr. P.
Vijayarungum Mudaliyar will be appointed on the usual
remuneration of Rs 250 and 75, respectively.

3. I beg to request that early orders may be passed
on this letter.

Order

Order: - 9th September 1889 No 534.

The Director of Public Instruction's proposals are sanctioned. The Government presumes that due provision has been made in the Budget.

(True extract)

A. G. Cardew.
Under Secretary

[6]
Govt. of 188 Madras.

2642

To

Proceedings, dated
No.

188

Subject.

10

To

Mr. P. S. ?
The Public Works Department. }
" Accountant General. }

L. S. D.

Gobt. of 1881 Madras.

No. 2642 W of 21 Sept. 1881

B

To

The P.W. Dept.



Proceedings, dated 9 September 1881
No. 534

Subject.

Recorded in
Continuation of S.O.
No. 3198 W of 10th Sept.
3198 W. B. 10th
Oct. 1888.

Wm
20.9.89

Wm
20.9.89

10

Witte order

22/9 23/9