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Educational
Legislative (189—) Department.
1900

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G.O., No. 576

DATED 12-11-00

INDEXED.

[Despatch Abstract.]

College of Engineering, Madras

Restricting the Draftman's test of the
— to the Students of the College
& approving the proposal of the
D.S.I. to institute a separate test
under the Technical Examination
Scheme for outside Candidates.

BACK PAPERS.

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

FURTHER PAPERS.

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

Government {1900} of Madras. EDUCATIONAL.

Recd.

Regd.

} 1900.

Enclosures

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G.O., No. 576, 12th November 1900.

NOVEMBER.

College of Engineering, Madras.

Restricting the draftsmen's test of the — to the students of the college and approving the proposal of the Director of Public Instruction to institute a separate test under the technical examination scheme for outside candidates.

Ref. No. 218, Educational, dated 31st August 1900.

The Director of Public Instruction is requested to submit the particulars of the test he proposes for mechanical drawing (to be embodied in the technical examination scheme), which will answer as a draftsman's test for employment in the Public Works Department.

M. HAMMICK,
Ag. Secretary to Government.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers:—

From the Hon'ble Mr. G. H. STUART, M.A., Barrister-at-law, Director of Public Instruction, to the Secretary to Government, Educational Department, dated Madras, 5th July 1900, No. 6380.

In G.O., No. 525, Educational, dated 21st June 1895, Government sanctioned the admission to the final examination for draftsmen, tentatively for two years, of candidates who had not previously undergone the prescribed course of training in the College of Engineering, and further ordered in its Order, No. 100, Educational, dated 21st February 1896, the discontinuance of the system of awarding term or college marks to the draftsman students during the two years for which the plan of allowing outside candidates to appear for the draftsman's test was under trial. This arrangement was in force till the end of last year with reference to G.O., No. 626, Educational, dated 16th September 1899, and I am not in favour of its further continuance.

2. I think that the college draftsman's test should be restricted to students who have gone through the regular course at the college and would accordingly recommend that the permission given to outside candidates to appear for the draftsman test along with college students be not renewed. As observed by Dr. Duncan in paragraph 2 of this office letter, No. 225, dated 11th January 1895, read in G.O., No. 525, Educational, dated 21st June 1895, such outside candidates may appear for the Government Technical examinations if they wish to pass a public test.

3. Should the above recommendation meet with the approval of Government, I would suggest that the former system of awarding the draftsman class college marks for practical work executed during the course and for physical exercises be restored, and that a qualifying minimum be insisted on, for a pass, in the marks awarded by the college staff as well as in those awarded by the Board of Examiners. Students who have not secured the qualifying minimum of college marks may, however, be permitted to appear for the examination conducted by the Board of Examiners, and successful candidates may be awarded a modified form of certificate. This is necessary to mark the distinction between candidates who have obtained the necessary minimum both in the college and in the Board's marks and those whose results are determined solely by the marks awarded by the Board of Examiners. In this view both the Principal, College of Engineering, and the President, Board of Examiners, concur.

4. I shall submit a draft of the changes in the college rules which the above proposals will necessitate immediately on receipt of the orders of Government on this communication which, I request, will be passed at a very early date in order that arrangements may be made for conducting the examination which is to be held in November next under the revised scheme.

Ref. No. 249, Educational, dated 31st August 1900.

The Director of Public Instruction is requested to submit the particulars of the test he proposes for mechanical drawing (to be embodied in the technical examination scheme), which will answer as a draftsman's test for employment in the Public Works Department.

M. HAMMICK,
Ag. Secretary to Government.

From the Hon'ble Mr. G. H. STUART, M.A., Barrister-at-law, Director of Public Instruction, to the Secretary to Government, Educational Department, dated Madras, 17th September 1900, No. 9267.

With reference to memorandum, No. 249, Educational, dated 31st ultimo, I have the honour to propose the following test for a group certificate in mechanical drawing which is to answer as a draftsman's test for employment in the Public Works Department:—

Group certificate in Mechanical Drawing.

Geometrical drawing	...	Intermediate grade.
Freehand outline drawing	...	Elementary grade.
Building materials and construction	...	Intermediate grade.
Building drawing and estimating	...	Advanced grade.
Machine drawing	...	Intermediate grade.

Lieutenant-Colonel Love considers this test as fairly equivalent to the present college examination for a draftsman certificate.

ORDER—No. 576, Educational, dated 12th November 1900.

In future only students of the College of Engineering will be allowed to appear for the draftsman's test, and the system under which college marks were awarded to the draftsman class for practical work executed during the course and for physical exercises will be restored.

2. The Director's proposal to institute a test under the technical examination scheme, which shall serve as a qualification for employment as draftsman, is approved.

3. The necessary alterations in the Engineering College rules and the public service and technical examination notifications should be submitted in draft.

(True Extract.)

M. HAMMICK,
Ag. Secretary to Government.

To the Director of Public Instruction.
Public Works Department.

NOTES CONNECTED WITH G.O., No. 576, EDUCATIONAL, DATED
12TH NOVEMBER 1900.

Current No. 894.

[SUBJECT.—*Examination for Draftsman's Certificate.*]

In G.O., No. 358, Educational, dated 23rd May 1894, the question was raised whether facilities should not be afforded to enable a person who had never been at the College of Engineering to obtain a draftsman's certificate, and the Director of Public Instruction and the Principal of the College were asked to report on the point. From their reply (in G.O., No. 525, Educational, dated 21st June 1895) it appeared that both of them were opposed to the grant of certificates to men who had never been at the college as it would seriously affect the prospects of the students of that institution, the Director of Public Instruction also pointing out that it was anomalous to grant college certificates to persons who had not gone through the prescribed course. The

Is there not still a dearth of draftsmen?
A. E. H[AVELOCK].

Chief Engineer, however, expressed the opinion that the dearth of draftsmen qualified for the work of the Public Works

department rendered it expedient that every encouragement should be given to men desirous of qualifying themselves for employment. He therefore proposed that men who had not attended the college course should be permitted to appear for the same examination as regular students and should receive similar certificates provided they passed an equally good examination. The Government then decided to give his plan a trial for two years (G.O., No. 525, Educational, dated 21st June 1895), and in its Order, No. 100, Educational, dated 21st February 1896, directed that the system of granting term or college marks to the candidates who appear for the examination from the college should be held in abeyance during this period. In G.O., No. 626, Educational, dated 16th September 1899, the period was extended by another year.

2. In his letter read above the Director now suggests that the temporary arrangement in question may be discontinued and the old arrangement under which none but college students were allowed to appear for the draftsman's test renewed. It is submitted that the Director of Public Instruction has not advanced any fresh reason for this proposal nor has he shown that the concession has done any harm, such, for instance, as a reduction in the number of admissions to the draftsman's class of the College of Engineering. As, however, the concession was made at the suggestion of the Chief Engineer it seems necessary to consult him * before the Director of Public

Instruction's present recommendation is considered.

3. In paragraph 2 of his letter the Director says that outside candidates may appear for the Government technical examinations instead of the college test if they wish to pass a public test. In this case, however, the various subjects in the technical examination scheme in which a candidate has to pass before he can become qualified for the post of draftsman have to be fixed and the Public Service Notification will have to be altered so as to make candidates who pass in the above subjects eligible for the post of draftsman in the Public Works and Survey departments.

Note.—The subjects of study in the draftsman class will be found on page 8 of G.O., No. 530, Educational, dated 22nd August 1898. The subjects in which technical examinations are held are given on pages 72 and 73 of the calendar of the Commissioner for Government examinations for 1899-1900.

P. T. THAYAN.

At present the College of Engineering certificate is the only qualification prescribed for this post.

4. In paragraph 3 of his letter the Director further proposes that a separate qualifying minimum may in future be fixed for college marks and for marks awarded by the Board of Examiners of the college, and that students failing to secure the minimum in the former case may still be permitted to appear for the examination conducted by the Board of Examiners, successful candidates in this examination being awarded a modified form of certificate. There appears to be no objection to this proposal provided outside candidates are also admitted to the examination by the Board of Examiners and are eligible for the modified form of certificate.

P. T. THARYAN.

9-7-00.

We may send the papers to the Public Works department for favour of early remarks.

A. T. PRINGLE.

12-7-00.

Educational U.O. D. No. 116, dated 12th June 1900.

Public Works department u.o.

H. TREMENHEERE.

12-7-00.

PUBLIC WORKS DEPARTMENT.

No. 639 D., dated 14th July 1900.

The Director of Public Instruction does not state the number of outside candidates who appeared for the draftsman's test of the College of Engineering since they have been allowed to appear and the number of such candidates who passed the examination. It is requested that this information may be obtained.

H. E. CLERK.

14-7-00.

To the Educational department u.o.

We may ask the Director of Public Instruction u.o. to supply this information, with reference to his letter, No. 6360, dated 5th instant.

A. T. PRINGLE.

14-7-00.

Director of Public Instruction u.o.

Up to date three outside candidates have appeared for the final examination for draftsmen, and two have passed.

G. H. STUART.

21-7-00.

The Director of Public Instruction's reply may be sent to the Public Works department, with the previous notes.

A. T. PRINGLE.

26-7-00.

Forwarded to the Public Works department for opinion on the proposal.

M. HAMMICK.

27-7-00.

Memorandum by the Public Works department, dated 1st August 1900, No. 808-D.

Note by the Chief Engineer, Public Works department, dated 31st July 1900.

The Chief Engineer considers that, in view of the great difficulty which is still experienced in obtaining duly qualified draftsmen, the existing practice of permitting outside candidates to appear for college examinations should be maintained.

2. There seems to be no reason why, if the Director of Public Instruction is convinced of its desirability, college marks as well as examination marks should not be awarded to draftsmen going through the college course. The two classes of marks would have to be kept distinct, and it would be necessary to declare that, in the case of outside candidates, the absence of college marks would form no bar to their employment in the Public Works department.

W. B. DEWINTON,
Chief Engineer.

No. 808 D., dated 1st August 1900.

Forwarded to the Educational department with reference to the u.o. endorsement in that department, D. No. 116, dated 12th June 1900.

H. E. CLERK,
for Secretary to Government.

To the Educational department.

Please see above reply from Public Works department. The Chief Engineer is in favour of the continuance of the existing practice of admitting private candidates to the draftsman's test, but he does not object to the Director of Public Instruction's proposals in paragraph 3 of his letter, provided that the absence of college marks would be no bar in the case of private candidates for employment in the Public Works department.

N. H. SANKARIAH.

Secretary.

A. T. PRINGLE.

2-8-00.

The notes in the original of G.Os., No. 100, dated 21st February 1896, and No. 525, dated 21st January 1895, contain all that is to be said for and against the present proposal. It is submitted that apart from the special needs of the Public Works department there can be no doubt that the Educational officer's, Major Love's and Mr. Stuart's, views are correct, and that it is anomalous to have a college giving training to students and then to admit outsiders to compete at the examinations.

So far in three years apparently three outsiders have appeared and two have passed, so that the damage done to the college is not great. The college apparently passes about 21 men *per annum*. It would certainly be far better to make a suitable test under the technical examination scheme and make men who have not passed the college get their diploma there and allow the Public Works department to take men holding that diploma. If the examination for that diploma was made practical, there seems no reason why it should become an easier way of getting the qualification than the one necessitating a college training.

A. T. A[RUNDEL].

True.

A. E. H[AVELOCK].

2. The fact that only two men have got certificates in three years shows that the Public Works department do not benefit much by the present concessions and it

would have no material effect on recruitment if the temporary concession was removed. The opinion of the Director of Public Instruction, the Principal of the College, and the President of the Board of Examiners should carry weight in a matter of this sort, and as the Public Works department will hardly suffer by reversion to the old state of things it is submitted that the recommendation of the Director of Public Instruction should be approved.

M. HAMMICK.
4-8-00.

I agree with the Secretary.

A. T. A[RUNDEL].
6-8-00.

I should be inclined to leave well alone. But, as an advance on present conditions, I should not object to the proposal at A on the previous page of the office-note that outsiders wishing to be draftsmen should have to pass an examination under the technical examination scheme. An advantage to be gained by this course would be the strengthening and stimulating of our technical scheme of training. I observe from the note that the technical scheme possesses, at present, no suitable test. But I suppose this could be easily supplied.

2. I think the Chief Engineer in his note of the 31st July gives a good reason for not insisting on the college course—in view of the fact that this non-insistence in the past has not done the college any appreciable harm.

A. E. H[AVELOCK].
10-8-00.

The Director of Public Instruction says he can arrange a test in the technical examinations, and this will meet His Excellency's views.

A. T. A[RUNDEL].

To Director of Public Instruction u.o. for favour of opinion as to the possibility of making a test in the technical examination scheme to meet the case.

M. HAMMICK.
11-8-00.

I do not anticipate any difficulty in devising a test in connection with the scheme of technical examinations. A group certificate is already given, under that scheme, for mechanical drawing. With a little alteration this would do for the draftsman's test. I am consulting the Principal, College of Engineering, on this subject, and a sufficient test will be prepared in a few days so as to be ready if it is wanted.

G. H. STUART.
15-8-00.

Resubmitted to the Honourable Member with reference to His Excellency's note and the Director of Public Instruction's remark.

M. HAMMICK.
18-8-00.

The Director of Public Instruction should be requested to arrange for the test in question.

A. T. A[RUNDEL].
23-8-00.

Reference No. 249, dated 31st August 1900.

The Director of Public Instruction is requested to submit the particulars of the test he proposes for mechanical drawing (to be embodied in the technical examination scheme) which will answer as a draftsman's test for employment in the Public Works department.

M. HAMMICK.
27-8-00.

Note—

When we get this we can ask the Chief Engineer his opinion on it and see if it cannot take the place of the present examination at the College of Engineering. B

M. HAMMICK.
27-8-00.

The Director of Public Instruction has replied to the reference above (No. 249, dated 31st August 1900). Please see his letter No. 9267, dated 17th instant (C. No. 1290). Under the Secretary's note of the 27th ultimo, this reply has now to be referred to the Chief Engineer for remarks. It is submitted that it may be done u.o. through the Public Works department.

P. T. THARYAN.

21-9-00.

The papers may be referred u.o. to the Public Works department for concurrence in the test proposed by the Director of Public Instruction and for opinion as at B *supra*.

A. T. PRINGLE.
24-9-00.

To Public Works Department u.o.

M. HAMMICK.
9-10-00.

No. 4255-C., dated 3rd November 1900.

I agree to the proposed test, and to its taking the place of the present examination at the College of Engineering for outside candidates.

W. B. DEWINTON.
31-10-00.

To the Educational Department u.o.

The draft placed below may issue.

P. T. THARYAN.
10-11-00.

A. T. PRINGLE.
12-11-00.

Secretary.

Argent 1

1900

Educational (189) Department.

CURRENT No. 894



From
The Dir. of Public Instruction
Madras.

Order



No 6380

Dated ¹¹ 5 July 1900.

Received 6 JUL. 1900

Registered 6-7-00

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SUBJECT.

Recommending that the experiment of admitting outside candidates to the examination for draftsman candidates be not continued and that the former system of awarding the Draftsman class of the College of Engineering College marks for practical work executed during the course be restored.

BACK PAPER

G.O.	No.	Department.
626	mi	799
626	mi	796
525	Copy	795-2 papers

FURTHER PAPERS.

G.O.	No.	Department.	Date.

1900
Educational (189) Department.

CURRENT No. 1290

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From The Director of Public Instruction,
Madras.

Order

No. 9267

Dated 17 September 1900

Received 19 SEP 1900

Registered Do

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SUBJECT.

Submitting the particulars
of the list proposed for
mechanical drawing to
be embodied in the Technical
Examination Scheme.

BACK

G.O.	No.		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Government of Madras.
Public Works DEPARTMENT.

MEMORANDUM.

Dated 1st August 1900

Noted by the Chief Engineer, P.W. Department,
dated 31st July 1900:—

The Chief Engineer considers that in view of the great difficulty which is ^{still} experienced in obtaining duly qualified draftsmen, the existing practice of permitting outside candidates to appear for College Examinations should be maintained.

2. There seems to be no reason why, if the Director of Public Instruction is convinced of its desirability, College marks as well as examination marks should not be awarded to draftsmen going through the College course. The two classes of marks would have to be kept distinct and it would be necessary to declare that, in the case of outside candidates, the absence of College marks would form no bar to their employment in the Public Works Department.

(Signed) W.B. deWinton
Chief Engineer

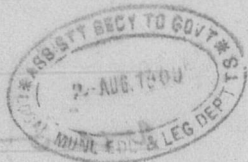
Forwarded

No: 809. D dated 1st August 1900.

Forwarded to the Educational
Department with reference to the
u. o. endorsement in that department
S. No. 116, dated 12 June 1900.

Alf

for Secretary to Government



Government {1900} of Madras.
EDUCATIONAL.

Recd.

Regd.

1900.

Enclosures

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G.O., No. 576, 12th November 1900.

NOVEMBER.

The Educational Department

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

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3. Should the above recommendation meet with the approval of Government, I would suggest that the former system of awarding the draftsman class college marks for practical work executed during the course and for physical exercises be restored, and that a qualifying minimum be insisted on, for a pass, in the marks awarded by the college staff as well as in those awarded by the Board of Examiners. Students who have not secured the qualifying minimum of college marks may, however, be permitted to appear for the examination conducted by the Board of Examiners, and successful candidates may be awarded a modified form of certificate. This is necessary to mark the distinction between candidates who have obtained the necessary minimum both in the college and in the Board's marks and those whose results are determined solely by the marks awarded by the Board of Examiners. In this view both the Principal, College of Engineering, and the President, Board of Examiners, concur.

4. I shall submit a draft of the changes in the college rules which the above proposals will necessitate immediately on receipt of the orders of Government on this communication which, I request, will be passed at a very early date in order that arrangements may be made for conducting the examination which is to be held in November next under the revised scheme.

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M. HAMMICK,
Ag. Secretary to Government.

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2. The Director's proposal to institute a test under the Technical examination scheme, which shall serve as a qualification for employment as draftsman, is approved.
3. The necessary alterations in the Engineering College rules and the Public Service and Technical examination notifications should be submitted in draft.

(True Extract.)

Assistant Secretary to Government.

To the Director of Public Instruction,
Public Works Department.

Exd. A. J. D' Monte.

Edl.

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READ AGAIN G O., No.
189

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LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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