

Educational (1897) Department.

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G.O., No. 182

DATED 25-3-97.

INDEXED.

6-6

[Despatch Abstract.]

The training of industrial and technical teachers

Approving and sanctioning the proposal in
the H. B. P. L. letter no 12059 of 7th Nov 1896
regarding — in the College of Engineering.

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 {1897} of Madras. EDUCATIONAL.

Recd.

Regd.

1897.

Enclosures

Spare copies

G.O., No. 182, 25th March 1897.

MARCH.

The training of Industrial and Technical Teachers.

Approving and sanctioning the proposal in the Director of Public Instruction's letter, No. 12059, dated 7th November 1896, regarding — in the College of Engineering.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—again the following paper :—

G.O., Mis. No. 766, Educational, dated 11th December 1896.

Read—the following letter from the Hon'ble Mr. D. DUNCAN, M.A., D.Sc., LL.D., Director of Public Instruction, to the Secretary to Government, Educational Department, dated Madras, 7th November 1896, No. 12059 :—

I have the honour to submit, for the favourable consideration and sanction of Government, a scheme for the training of young men in the College of Engineering workshops chiefly with a view to fit them to become teachers in technical and industrial schools.

2. The college workshops are now in complete working order and afford facilities for the training of young men desirous of qualifying as teachers in technical and industrial schools and in school workshops for manual training (*vide* paragraph 186 of my annual report for 1895-96); and, in the interest of technical and industrial education, the opportunity should be embraced of utilizing the workshops in this direction.

3. Mr. Chatterton, the Professor of Engineering, considers that twelve apprentices can be accommodated in the workshops and that a three years' training will enable the students to pass the highest technical examinations in cabinet-making, carpentry and fitters' work. As trained teachers are badly wanted, he thinks that six may be entertained in 1897, two in 1898, two in 1899, and four in each subsequent year. I have, however, provided for the entertainment of four annually, so that the maximum number may be reached in the third year. The rates of stipend have been fixed, as recommended by Mr. Chatterton, at Rs. 6 for the first, Rs. 7 for the second, and Rs. 8 for the third, year. At the above rates the expenditure will amount to Rs. 288 during the first year, Rs. 624 during the second year, and Rs. 1,008 during the third and subsequent years, when the full number of stipendiaries will be under training. This charge will be met from the sales of articles manufactured in the workshops. The students—who will have, before admission, passed the elementary examination in carpentry or blacksmithy—will be instructed in the use of machine tools including lathes, milling, planing, drilling and shaping machines, in carpentry and cabinet-making and in fitting; and those who come with some knowledge of smith's work would receive further instruction and devote the major portion of their time to iron-work. Their hours in the workshops will be from 9 to 12 and 1 to 5 on five days in the week; on Saturdays they will receive instruction in drawing and lectures on the subjects specified in the Government technical examination syllabuses in carpentry and blacksmith's work. They will be allowed a month's vacation in the hot weather and the ordinary gazetted holidays. They will be required to serve as teachers, if required, for two years after leaving the college workshops and to submit half-yearly reports as to how they are employed for three years after leaving.

4. Pending the sanction of Government to the above proposals, the following provision has been made in the revised rules of the college about to be submitted to Government :—

“Four stipends of the monthly value of Rs. 6 for the first year, Rs. 7 for the second year and Rs. 8 for the third year will be annually awarded to young men who have passed the elementary technical examination in carpentry or blacksmith's work and who join the college workshops with a view to be trained as teachers in technical or industrial schools, or in

school workshops for manual training. The course shall extend over three years, during which time the students shall be prepared for the highest technical examinations in cabinet-making, carpentry and fitters' work. The students shall work in the workshops from 9 to 12 and 1 to 5 on five days in the week and will be allowed one month's vacation in the hot weather and the ordinary gazetted holidays. They shall be required, if need be, to serve as teachers for two years, and to submit half-yearly reports as to how they are employed for three years, after leaving the workshops.”

5. The above proposal will not in any way interfere with the workshop practice of the regular students of the college.

Order—Mis. No. 766, Educational, dated 11th December 1896.

The Government agrees with the Director of Public Instruction that it is desirable to make provision for the training of technical and industrial teachers, but is inclined to consider it to be expedient that for such purpose there should be one single recognized institution where all candidates desirous of becoming technical or industrial teachers should be entertained and to which their stipends should be debited. This presumably should be, not the Engineering College, but the School of Arts; arrangements, however, being made for sending the students to the College of Engineering for instruction in the use of machine lathes, morticing tools and other subjects for which facilities are not provided in the School of Arts. The Director will be requested to be good enough to state his views on this suggestion.

(True Extract.)

(Signed) G. S. FORBES,
Secretary to Government.

To the Director of Public Instruction.

READ—also the following paper :—

From the Hon'ble Mr. D. DUNCAN, M.A., D.Sc., LL.D., Director of Public Instruction, to the Secretary to Government, Educational Department, dated Madras, 18th February 1897, No. 1675.

I have the honour to reply to G.O., Mis. No. 766, Educational, dated 11th December last.

2. My proposal contained in my letter, No. 12059, dated 7th November 1896, was to prepare candidates for the highest technical examinations in cabinet-making, carpentry and fitters' work and to train them to become teachers in technical or industrial schools. Fitters' work and carpentry proper are not taught in the School of Arts, carpentry being taught only so far as it relates to cabinet-making. It will, therefore, be highly inconvenient to attach the students to the School of Arts and send them to the College of Engineering for instruction in those subjects. In the College of Engineering the students can receive sufficient theoretical instruction without the necessity for any additional establishment, and the college workshop will afford the necessary practical instruction. Even as regards cabinet-making it would be a great waste of time and a serious interference with the discipline, which is so important a fact in the training of the future teacher, if the students were to receive instruction in the School of Arts for a portion of the day or the week and go to the College of Engineering for the remaining portion. I do not, therefore, think that the arrangement suggested by Government would work well. The School of Arts is shortly to be reorganised, and on receipt of final orders on the question, the idea of attaching a few students to be trained as teachers in the industries or arts which will be taught there will be considered. The College of Engineering is the place where the training I have in view can be most successfully carried out, the workshop being superior to any other in the Presidency. It is, moreover, quite impracticable to have all teachers for the various technical, industrial and art subjects trained in one institution, and I

No. 182, EDUCATIONAL, 25TH MARCH 1897.

do not see any gain in attempting to do so. I beg that the proposal made in my letter quoted above may be sanctioned. The provision has, with slight modifications, been inserted in the revised rules of the College of Engineering now before Government.

ORDER—No. 182, Educational, dated 25th March 1897.

The proposal made in the Director of Public Instruction's letter, No. 12059, dated 7th November 1896, regarding the training of industrial and technical teachers in the Engineering College, is approved and sanctioned.

(True Extract.)

Secretary to Government.

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

Ed. A. Raitt.

Educational (1897) Department.

CURRENT No. 225



From

The Dir. of Pub. Instruction,
Madras.

Order.

No. 1675

Dated 18th February 1897.

Received 10-2-97

Registered 10-2-97

Enclosures ~~4~~ nil.

Spare copies nil.

SUBJECT.

Industrial & Technical teachers

Replying to the memorandum
on the scheme for the training of
young men in the College of Engg.
with a view to fit them as-----

BACK PAPERS.

G.O.	No.	Department.	Date.
	766	Edul	4-12-96
	45	-	28-1-93
	32	-	21-1-93

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Info no 182. Edul
25-3-97

[G. 26]
1,000-14-12-96.

C. No. 22.5.97

Educational DEPARTMENT.

H. E. THE GOVERNOR.
THE HON'BLE MR. BLISS, C.I.E.
THE HON'BLE MR. GROSE, C.I.E.

SUBJECT.

Industrial & Technical Teachers.

FOR ORDERS.

Please see G.O. no. 766 Ed 8
11th Dec. 1896.

The D.P.I. states that candidates preparing for the highest technical examinations in Carpentry and Fitter's work should not be attached to the school of Arts as the subjects are not taught there. Cabinet-making only is taught in the school.

May the proposals of the D.P.I. to attach the students to the College of Eng. be approved?

May.

The D.P.I.'s proposals may be accepted.
J. 17.2.97.

I have the D.P.I. is right
+ the scheme proposed by
him is the best.

J.
22.3.97

23/8/97

C/17/3/97
R24/3/97

7/2
16/3/97

[G.]
[24.]

800-20-1-97.

Papers to be read in proceedings:—

Ag in G.O., dated 11th Dec - 1896, No. 766.

Again G.O., dated 189, No.

Current No. 227 of 1897, dated 18th Feb from the D.P.S. A

" 189, " " "

" 189, " " "

ORDER. N^o 182 725-3-97.

P.S.

The proposal made in the D.P.S. letter no. 12059 87th nov. 96 is approved & sanctioned.

(from orders)

DL

27/07

MA
29/3/97

Regarding the training of industrial & technical teachers in the Engineering College

To the D.P.S. - 6
in A.P. 5- / Dec 20-4-97.
... First Sept-1

12/1/21
12/1/21

copy sent to Press 25/3/97
for signature. 22/4/97

Order complete.
Letter only.
Order complete with Letter.

despatched in print.

READ AGAIN G.O., No.
139

DATED

CURRENT No.

As inserted

ENCLOSURES TO G. No.

ORDER OF GOVERNMENT

BY GOVERNMENT

ATTACHMENT WITH DITTS.

LETTERS NOT FILED UP, BRING MYANT FOR DETATCH
IN ORIGINAL.

10 Copies

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- Q = Print heading only.