(1) பக்கங்களின் எண்ணிக்கை 4+4=8

(2) புதுக்கித் திருப்பிய நாள் 3.6.89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண். 1544-W

மு.கோப்புத் தாள் எண்.

அச்சகம்

நாள் : 3.6.1890

19

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவ கா-1—18,006—15-6-87.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following Minute by the HONORABLE MR. J. H. GARSTIN, C.S.I., dated Ootacamund, 19th April 1890 :—

At the Meeting of Council yesterday, when the question of encouraging the students of the Civil Engineering College, who are qualifying as Civil and Mechanical Engineers, to go through a course of practical Mechanical training at the Madras Railway Workshops, was discussed, it was agreed that as a stimulus and reward for the two most successful students each year, the Government would pay half the premia agreed to be taken by the Superintendent of the Railway Workshops (viz. Rs. 500 for 2 pupils for the course of two years). I drew attention to the necessity for teaching these students, in the most thorough and practical manner, how to make bricks and mortar and how to lay bricks, and I suggested that they should for this purpose be placed under the Government Architect for a course of training. All my Honorable Colleagues appeared to approve the idea, and I, therefore, now propose that an order issue to the Director of Public Instruction so far to modify the practical course for the Civil and Mechanical Engineer classes and the Engineering Subordinate's class (as laid down at page 319 of the Madras Educational Calendar and Directory of 1889) as to substitute for the instruction which they are to obtain under the D. P. W. for one year, at places where large works are in progress, and where they are to be taught the practical details of brick-making, brick-laying, quarrying, blasting, masonry, building of all sorts, the management of labor, accounts, &c.,—a course of practical instruction for 12 months under the Government Architect in the following matters :—

(1) Brick-making, especially with reference to the selection of proper clay and sand for making them, their proper admixture and the proper moulding of the mixture so as to produce thoroughly sound bricks of the best quality.

(2) The best methods of constructing brick-kilns and burning bricks.

(3) The burning of limestone and shells and the making of good mortar.

(4) The laying of bricks and stones in mortar and cement.

(5) The manufacture of cement and the best methods of using it whether hydraulic or non-hydraulic and how to lay the former under water.

(6) The manufacture of concrete.

(7) Building of all sorts.

They might then go to some place where large Public Works are in progress under a D. P. W. Officer for 3 months to learn quarrying, blasting and the management of labour and accounts, &c.

It is hardly necessary for me to back up my proposal by arguments, for the advantage arising from any person who is to have charge of public buildings being thoroughly acquainted with the above details, if good work is to be turned out, is obvious; and I feel sure that the good effect of making all the students of the higher classes of the Engineering College acquire the above knowledge under an expert like the Government Architect would show itself all over the Presidency in a few years in improved workmanship in connection with all Government buildings.

ORDER—dated 20th May 1890, No. 359, Educational.

The above Minute will be communicated to the Director of Public Instruction, who will be requested to state what measures at present exist for practical instruction in the subjects mentioned and whether the Government brick-kilns could be utilized for this purpose. The Director of Public Instruction will also be requested to state what measures he would propose in regard to items (3), (4), (5), (6) and (7).

(True Extract.)

J. F. PRICE,
Chief Secretary.

To
The Director of Public Instruction.
Copy to the Public Works Department.

Govt. of {1890} Madras.

EDUCATIONAL.

No 1544 Way 3rd June 1890

Recorded.

(Sd) R. R. E. D. B.
26-5-90
W

Issued

Recd. *Encl.*

G.O., 20th May 1890, No. 359.

MAY.

Mechanical Engineer Students.

Requesting the Director of Public Instruction to report on the proposed scheme for the more efficient practical training of — of the College of Engineering, Madras.

S. E. Circle } for
C. A. to Govt } information

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(True Extract.)

Chief Secretary.

To

The Director of Public Instruction.
Copy to the Public Works Department.

LIBRARY TO GOVERNMENT
26 MAY 90
P.W. DEPARTMENT, MADRAS

Govt. of {1890} Madras.

EDUCATIONAL.

No. 1544 W dy 3rd June 1890

Recorded

Issued

Recd. 26.V.90 Encl.

" 29-5-90

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