

(1) Number of pages 6(2) Date of repair 29-11-38(3) Initials of the Referencer JP**MADRAS RECORD OFFICE.****Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No.	5511	Press Mis.
77-78 Dated	16 3 1860	

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*Proceedings of the Madras Government, Public Works Department,
for the month of March 1860.*

No. 77. Read the following letter from Colonel J. H. BELL, Chief Engineer, to the Secretary to Government, dated 4th February 1860, No. 9975 :—

Referring to paragraph 5 of Order of Government No. 40, 5th January, on the subject of an Operative Mechanical Class under Mr. Flockhart in connection with the Civil Engineering College, I have the honor to report that the means of instruction at Mr. Flockhart's command for this purpose would be to employ the Students in the Presidency Workshop in putting up the Machinery and Steam Engines received at Madras from time to time for the Department Public Works generally : at present there is ample work available for them on the two Dredges now being erected at the Island, where the principles of construction of their Engines may also be learnt and there will be hereafter Machinery of various kinds to be put together and taken to pieces again for transmission to the Districts. As however, the Workshops under Mr. Flockhart may not at all times afford profitable employment for such a Class, in such a case it may be found feasible to employ them elsewhere temporarily ; perhaps in the Gun Carriage Manufactory or the Arsenal ; or their return to theoretical study in the College for a time may be deemed desirable.

2. Mr. Flockhart considers that it will take from one to two years to make the men at all handy in the use of Tools and to give them a tolerable practical knowledge. In regard to the question of extra expense, Captain Winscom states in the enclosed letter of 27th ultimo, that there will be no expense attendant in forming this Class except the payment of Mr. Flockhart's fees. This however, I do not consider called for as these men will not be regular Apprentices and when the subject of a Mechanical Engineering Class in connection with the College was formerly under consideration, I submitted to Government with my letter No. 2662, 12th July 1859, Mr. Flockhart's report on the subject in which he stated his inability to do justice to more than a limited number of Apprentices, the Order of Government on this report sanctioned the entertainment of four Apprentices in the first instance to be conditionally increased hereafter to twelve. The Class now proposed to be formed will in some measure take the place of the hired smiths and other laborers employed in erecting the Dredges and as Mr. Flockhart will not have any additional trouble or responsibility, the payment of Fees is uncalled for and there will consequently be no extra expense.

No. 78. ORDER THEREON, 16th March 1860, No. 554.

Under the representation contained in this letter that there will be no additional expense to the State by the establishment of an Operative Mechanical Class under Mr. Flockhart in connection with the Civil Engineering College, the Government sanction the adoption of that arrangement, and will leave the practical details to be adjusted by the Chief Engineer and Principal of the Engineering College.

(Signed) J. D. BOURDILLON,
Secretary to Government.

Central Office of P.W. D.
Sapthagam
4th February 1860.

N^o 9975

From The Chief Engineer
Public
To The Secretary to Government
Public Works Department.

Sir,
Referring to para 5 of order of
Government N^o 20, 5th January on the subject
of an operative Mechanical Class under Mr.
Flockhart in connection with the Civil
Engineering College, I have the honor to report
that the means of instruction at Mr. Flockhart's
command for this purpose would be to employ
the students in the Presidency Workshop in
putting up the Machinery and Steam Engine
received at Madras from time to time for the
Department Public Works generally. At
present there is ample work available for
them on the two Dredges now being erected
at the Island where the principles of con-
struction of their Engines may also be
learnt and there will be hereafter Machinery
of various kinds to be put together and
taken

Enclosure 1

Letter from the
Principal Civil
Engineering College
dated 27 January 60
N^o 826..

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Ad. E. C. G. m. e. n.

Secretary to the
D.H.A.

Box 4 "2"
Dec 4th 1860.

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Reference to 4th Proceedings

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From the Chief Engineer 17 April '01
P. M. 881. ind

The arrangement should now
be adopted as originally proposed,
and the practical details man-
aged by be left to the local Engineer
and the Principal of the Engineering
College
Let me know

Wichamond
21 July 1850.

From Mrs. David Engman
30 Cedar St. N. York