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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	1444	Press
561-562		~~Mis.~~
Dated	29-5	1865.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
29th May 1865.*

No. 561. Read the following Proceedings of the Madras Government in the
Educational Department:—

Observing that the plans and estimates
under preparation for the Lawrence
Asylum, Buildings should be completed
and submitted as early as possible; also
that the plans and estimates for the
erection of single storied buildings of
brick in mud, as suggested by the
Government of India, should likewise be
furnished. (Here enter 25th May 1865, No. 134.)

No. 562. ORDER THEREON, 29th May 1865, No. 1,444.

CIVIL WORKS, No. 83.

Communicated to the Superintending Engineer,
7th Division, for immediate attention.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Educational Department,
25th May 1865.*

No. 51. Read the following letter from Lieutenant Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division; to Colonel C A. ORR, R E, Secretary to Government, Department Public Works, dated Coonoor, 17th May 1865, No. 13.

The receipt of Government Order No. 1112, of 26th April directed my attention to three subjects:—

1st.—The data making up the sums of Rupees 2,000 and Rupees 3,18,750 set down as the cost of lime in the plains and at Ootacamund respectively.

2ndly —The probable saving that would result from adoption of the suggestion made in Colonel Dickens' letter; allowing for any increased thickness of walling that it might involve.

3rdly.—The influence that the opening of the new Coonoor Ghaut to cart traffic might be expected to have on the cost of carriage from Metapolliem to Coonoor. I have now the honor to offer the following observations, after consultation with Major Farewell.

2. That officer reports Rupees 7000 (and not Rupees 2000 which was an under estimate) as the probable cost of 1,50,000 parrals of lime stone at the quarries below Ghaut. And Rupees 3,18,750 to be the actual cost of that quantity delivered at the Lawrence Asylum Works, at Rupees 2½ a parah, the lowest rate at which he could get the contract taken.

3. This represents prime cost and carriage for 31 miles, to a height of 6000 feet; whereof 23 miles is on bullocks, and 8 miles on carts. Reckoning the increase of distance by the new Ghaut at 6 miles or the entire distance at 37 miles to be performed in 3 days, and an equal time in going back (without a return load) it may be presumed that a cart will carry 5 loads of 4 parrals (900 lbs.) per month, which at the high rate of Rupees 30 monthly hire would give Rupees 1½ per parah; a saving of Rupees 93,750 on a lakh and a half of parrals which is little short of two-thirds the estimated cost of the new Ghaut, and by no means a sanguine estimate of the probable effect of that work.

4. Government are aware that in the Workshops already built, for economy sake brick in mud was adopted by Major Farewell and myself without any prompting. And but for the standing order in the Department enjoining puckah work, and the use of the best materials in all large edifices especially Military, and our impression that the designs we were called upon to submit were for a Memorial building which allowed more than usual scope for show and expense, we should undoubtedly have sent up for sanction something much plainer and cheaper than those designs, which unfortunately did not meet with the approval of His Excellency the Governor last year; although they had secured the general approbation of the heads of every Department that had anything to say to them.

5. Some reduction would no doubt result from the adoption of His Excellency's design, but not nearly so much as was anticipated, and I cannot but feel that

one objection made in paragraph 6 of Government Order* No. 263, of 9th September 1864, to ill-lighted spaces in

4 Dormitories and 4 School-rooms of the original plan will apply with greater force to nearly every room in the revised plan.

* Educational Department, Public Works Department, Order No. 2759, of 21st September 1864

*Proceedings of the Madras Government, Educational Department,
25th May 1865.*

6. Neither design, however, can be carried out with brick in mud, in a Hill climate, as both allow for upper stories. But that material may be used for single storied buildings, if desired by Government, at a saving of much more than the mere cost of chunam. Such buildings would be quickly sheltered by the plantations already commenced and projected; and their plans and estimates would not take 2 months to prepare, once the rough design and block plan were definitely settled.

7. Major Farewell's experience of the Workshops, in which he daily holds office, shows that the use of iron roofing, even on walls only 10 feet high and without a ceiling, does not produce an excessive temperature; which leads him to recommend the adoption of that material in roofs of moderate span, with wrought iron trusses, on walls at least 15 feet high, to which the addition of a wooden ceiling fixed to the pulins above the trusses will render it quite as cool as is necessary in such climate.

8. An original sketch is herewith submitted, showing how Major Farewell would propose to re-arrange the Main buildings so as to suit the existing sites.

Referred to the Educational Department.

FORT SAINT GEORGE,
20th May 1865.

(Signed) C. A. ORR, Colonel, R. E.,
Secretary to Govt. Public Works Dept.

No. 52. ORDER THEREON, 25th May 1865, No. 134.

The Governor in Council thinks it advisable that the plans and estimates now being prepared for the Lawrence Asylum buildings should be completed and submitted to Government with as little delay as possible; and also that plans and estimates for the erection of single storied buildings built of brick in mud, as suggested by the Government of India should also be furnished. The Government will then be in a position to decide which of the two plans should be adopted. In the new plans the buildings can be arranged in the manner prepared in Major Farwell's sketch. Every exertion should be used to complete both sets of plans with as little delay as possible.

(True Extract).

G. A. Orr
Chief Secretary.

To the Public Works Department.
,, Director of Public Instruction.

Civil Works

no, 1444

*Communicated to the
Superintending Engineer of the Division
for immediate attention*

*Fort St George
29th May 1865*

AB

*To the Superintending Engineer
of the Division
1862
Recd 30th May*

J. W. 1865 Dep^y
Pres. of Govt. for May
1814

Pro. of the Madras Govt. in
the Educational Dep^y

Of 25th } May 1865
Recd 26th }

N^o 134
210, 1444 - 29th May 1865

Observing that
the plans and estimates
under preparation for the
Lawrence Bazaar build-
ings, should be completed
and submitted as early
as possible; also that
the plans and estimates
for the erection of single
storied buildings of
brick in mud as sug-
gested by the Govt of
India, should likewise
be furnished
with an order

N^o 561.