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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3217	Press <u>Mis</u>
175-176	
Dated 10 - 11 - 18 64.	

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*Proceedings of the Madras Government, Public Works Department,
10th November 1864.*

No. 175. Read the following Proceedings of the Madras Government in the Educational Department:—

Requesting to be furnished with a Statement of the prices charged on the Neilgherries for materials and workmanship of various kinds, for the purpose of comparing them with the prices elsewhere. } (Here enter 26th October 1864, No. 325.)

No. 176. ORDER THEREON, 10th November 1864, No. 3,217.

1. Communicated to the Superintending Engineer, 7th Division, for information and guidance.
2. The Statement called for in paragraph 3 should be submitted with as little delay as practicable.

(True Extract.)

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

To the Superintending Engineer, 7th Division.

Exd. S. T. Augustin.

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*Proceedings of the Madras Government, Educational Department,
26th October 1864.*

No. 82. Read the following letter from Lieutenant Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division; to the Secretary to Government, Department Public Works, Madras, dated Ootacamund, 19th September 1864, No. 119.

I have the honor to forward (with a view to the issue of further orders on certain points) a Memorandum I have drawn up on the Sanitary Commission Report, which accompanied G. O., No. 263 of 9th September.

2. Major Farewell and myself have lost no time in revising the Lawrence Asylum plans as directed in that order, and rough drafts will be ready for submission to His Excellency the Governor this week.

3. Copy of the enclosed Memorandum has been sent direct to the Chief Secretary to Government.

Memorandum on Report of the Sanitary Commission.

Paragraphs 5 to 7. *Workshops and Play-sheds.*—These, which are combined in Major Farewell's plans, have already been undertaken as absolutely necessary to afford shelter to the people employed on the construction of the Asylum; and their cost will be greatly reduced below the amount objected to, by the use of brick in mud instead of in chunam, which has been necessitated to expedite their completion. I am now of opinion that the one range already built will suffice for workshops; that the play-sheds open on one side should be constructed according to the original design; and that a double play-shed, as proposed by the Sanitary Commission, be substituted for the other work-shed as yet untouched. The abolition of the central halls, which were a main feature of Major Farewell's designs, will necessitate ampler out-door accommodation for the boys. A play-ground and sheds for the girls will also be required, and Fives' Courts (hitherto overlooked) will have to be provided; the most economical plan being to build one against each of the four ends of the wings of the Boys' Asylum. Altogether, therefore, it would appear that the sum allowed by Major Farewell, for work and play-sheds, cannot be reduced; and if the proposal of the Sanitary Commission, to connect these with the main buildings by covered ways, be carried out, these alone will cost a considerable sum owing to the distances, and inequalities of the ground.

Paragraphs 8 to 15. *Pries, Urinaries, and Covered Passages.*—The Executive and Superintending Engineers have not conceived themselves authorized to deviate from the standard plans supplied them for such buildings. But nothing will be easier than to adapt them so that the "dry earth system" of deodorization alluded to may be combined with the "Punjab system" of conservancy; only it will not be possible to introduce patent urinals into the boys' privies without enlarging the latter. And it is very questionable whether they should not be kept separate; also whether the privies should be brought nearer the buildings than 60 feet, as recommended. The statement that brick wall partitions have been planned between seats of latrines, is incorrect; they are of timber. Sheet iron can be substituted if required, but at greater cost. If separate urinals for the females are dispensed with, a corresponding saving will be made; but the expediency of it is questioned.

Paragraphs 18 and 50. *Plunge Baths.*—Additional space will be afforded for dressing, by elongating the ends of these buildings, and screening them off. The distance at which it is proposed to place them from the main buildings, for convenience of supply of water, will make their connection by covered ways very expensive. Supply by steam power may of course be carried out, but at increased permanent cost. Possibly the girls' plunging bath may be dispensed with, and the means of effectual ablution be afforded in rooms within their building.

*Proceedings of the Madras Government, Educational Department,
26th October 1861.*

Paragraphs 19 to 25. *Washing Rooms.*—As for the privies, the Executive and Superintending Engineers do not hold themselves responsible for the plans of washing apparatus, which are standard—Adaptation to heights of children according to ages, has, however, been overlooked by them. The recommendations of the Sanitary Commission are based entirely on the adoption of the constant supply system, involving the use of reservoirs at high levels and much piping and fittings, regarding which the orders of Government have yet to be definitely given. The breakage of such fittings will be much more inconvenient and difficult to remedy, than any damage likely to accrue to the metal utensils estimated for. Wooden gratings are provided, though erroneously colored as of metal in the plans. Asphalt flooring will be less expensive than granite, but also much less durable, and is not recommended. Granite slab washing tables pierced for basins would be very costly. Should the Government not order the "constant supply system" to be adopted, water filters of the pattern which the Sanitary Commission may approve, will have to be provided in each dormitory, school, and dining-room.

• Basins 1½ feet diameter are considered large enough for washing the feet, as well as for other purposes.

Paragraph 26. *Disposal of Roof Drainage.*—The modifications of plan ordered by Government will obviate all objections made on this score.

Paragraphs 27 to 31. *Ventilation.*—The system adopted by Major Farewell is identical with that proposed. An error in the sectional drawing has given rise to the misconception.

Paragraphs 32 to 46. *Warming.*—Previous to any further action being taken by the officers of the Public Works Department in this matter, it is absolutely necessary that the orders of Government be passed as to the adoption of one or other system of warming, whether by hot air or hot water.

Paragraph 47. *Servants' Lodgings* will be provided.

Paragraphs 48 to 55. Require no special remark; they will be attended to. But paragraph 54 is based on a misconception of Dr. Shaw's. A closer examination of the plan will show that it provides exactly what he requires.

SUPD. ENGR.'S OFFICE, 7th Div.

Ootacamund,

15th September 1861.

(Signed) G. W. WALKER, Lieut. Col., R. E.,
Supd. Engineer, 7th Division

Referred to the Educational Department.

CHEPAUK,

28th September 1861.

(Signed) J. S. STEWART, Major, R. E.,

Deputy Secy. to Govt., P. W. D.

No. 83. ORDER THEREON, 26th October 1861, No. 325.

His Excellency the Governor, to whom the rough plan ordered in the Proceedings of Government, under date the 9th ultimo, was submitted by the Executive Engineer previous to his departure from Ootacamund, has furnished Major Farewell with verbal instructions on several of the points noticed in the foregoing Memorandum.

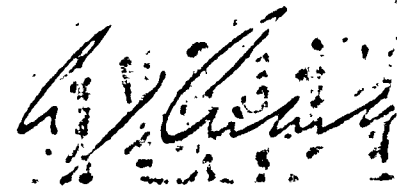
2. Any other points on which orders may be required can be made the subject of a separate reference.

3. The Governor in Council desire to have before him a Statement of the prices charged on the Nilgherries for materials and workmanship of various kinds, for the purpose of comparing them with the prices elsewhere. This will be called for in the Department of Public Works.

*Proceedings of the Madras Government, Educational Department,
26th October 1861.*

4. He also requests the Committee of the Lawrence Asylum to furnish a Statement of the cost incurred, during the year ending on the 30th ultimo, for each child in that institution on account of clothing, food, fuel, servants' wages, &c. The Directors of the Military Male and Female Orphan Asylums at Madras are also requested to submit a similar Statement.

(True Extract.)



To the Public Works Department:

- „ Director of Public Instruction.
- „ President, Sanitary Commission.
- „ Principal Inspector General, Medical Department.
- „ Directors of the Military Male Orphan Asylum.
- „ „ „ Female Orphan Asylum.
- „ Committee of the Lawrence Asylum.

[Exd. J. Tulloch.]

Mr Wm L. Dyer
Pro. of State for Education

No: 4802

George Crook in the
Educational

Dyer

At 26 Washington St.
New York

No: 825

Regarding the pro.

involving a statement
of his delays on the
application for admission
and administrative in
this State, for the State
with the State Education
No: 3217-105210-1864
With an order.

No: 176-176

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Communicated to the
Department of Engineers
Division for information

The statement called
for in paragraph 12
submitted with no little
delay as heretofore.

At the State Engineer's
Office

No: 82. Referred to
105210-1864 }
At 26 Washington St.
New York