

Home (1918) Department.
(Education)

Ordinary SERIES.

G.O. No. 655.

DATED 21-5-18.

INDEXED

[Despatch Abstract.]

Building grant.

Raising the maximum amount of the ----- sanctioned for
the acquisition of a site ^{and} for ~~the~~ the construction of a
building for the Danish Mission secondary school, Tiruvannamalai
from Rs.19,225 to Rs.24,230.

PAPERS PUT UP WITH CURRENT No. _____

Papers of the department to which the current belongs.

Back papers.

Number.	Date.	Original (=O.) or spare copy (=S.C.)	Remarks. <i>Note.</i> —When an original is removed from this file the fact should be noted against the paper and its destination mentioned.)

Further papers.

Papers of other departments to be returned.

Department.	Number.	Date.	Original (=O.) or spare copy (=S.C.)	Date of return.

Home (Education)

DEPARTMENT.

Received



Registered

22.3.1918

Subject.

Recommending an additional grant to Danish
Mission High school, Tiruvannamalai building which is
now under construction.

ENCLOSURES.

No. _____

Spare copies _____

A.C. No. 8736 of 1913

Station Madras, Dated the 22 March 1918. 1918

From (Name) The Hon'ble Mr. J.H. Stone, M.A., F.R.H.S.,
C.I.E.,

(Designation) Director of Public Instruction
Madras.

To The Secretary to the Government of Madras,

Home (Education)

Department.

Sir,

In G.O. No. 1345 Educational, dated 30-11-14,
a grant of Rs. 19,225 was sanctioned towards the cost of acquiring
a site and constructing a building for the Danish Mission (High
school, Tiruvannamalai. On account of the increase in the cost of
of certain materials, the Correspondent submitted a revised esti-
mate and requested sanction of additional grant on the extra cost
involved. The Executive Engineer who was addressed on the matter
suggested certain alterations in the rates proposed, vide his
letter No. 121 H, dated 10-2-18 (copy enclosed). A fresh revised
estimate prepared in accordance with the rates approved by the
Executive Engineer has been received from the Correspondent and

2.
is herewith submitted. It will be seen therefrom that the total cost of the building comes to Rs. 42,693 against the originally estimated amount of Rs. 33,050. There is thus an excess cost of Rs. 9,643/-. I have the honour to recommend that an additional grant equal to one-half of this excess cost may be sanctioned.

2. I also enclose herewith for favour of orders a copy of the Correspondent's letter dated 8-3-18 with a copy of the Contractor's letter referred to therein in regard to increased rates of certain items not approved by the Executive Engineer.

3. The original plans and estimates are also herewith submitted.

I have the honour to be,

S i r,

Your most obedient servant,

R. A. Arivu

for Director of Public Instruction.

21,346
2,700
24,046
T.V. N. D/. 20-3-18.

3
Copy of Letter dated 8-3-1918, from the Correspondent,
Danish Mission High school, Tiruvannamalai.

"In consequence of your Proceedings Ref. on C. No. 8736 of 1913, dated 11-2-1918, I am enclosing a fresh estimate in accordance with the rates suggested by the Divisional Officer in his letter No. 17 D. dated 7th January 1918. But at the same time I beg to be allowed to request you to reconsider the rates mentioned in your Proceedings, items 6, 7, 8, 9 and 14, in accordance with the remarks made by my contractor in his letter to me copy of which I enclose." Below.

Copy of letter from the Contractor to the Correspondent,
Danish Mission High school, Tiruvannamalai.

"With reference to the Proceedings of the Director of Public Instruction No. 8736 of 1913, dated 14-2-18, directing to submit a fresh estimate in connection with the construction of a Building for the Danish Mission High school, Tiruvannamalai, as per rates suggested by the Sub-Divisional Officer P.W.D. I beg to submit a fresh estimate amounting to Rs. 42,693/-

In this connection I beg to state that the remarks made by the Sub-Divisional Officer for the Cement and Rolled steel joists works (items No. 6, 7, 8, 9 and 14) required reconsideration with reference to my explanation stated below.

Item No. 6, 7, 8 and 9:- English portland cement was used for the work and not the cement of the quality manufactured by South Indian Industrials Company. The cost of English portland cement was in 1-2-16 as detailed below

Cost of 1 barrel of cement:- Madras price (by Holland and Moss Lt. vide voucher) Rs. 12-8-0
cart hire to convey to railway station and loading 0-3-0
Railway charge from Madras to Tiruvannamalai 1-2-0
cart hire to convey from station to works pot 0-3-0

Total cost of 1 barrel Rs. 14-0-0

P.T.O.

The cost of cement had been increased up to Rs.18 before the completion of cement work hence the average cost comes to Rs. 16/- which is the rate of cost of 1 barrel allowed in the revised estimate, if the rate of Rs. 12-8-0 as suggested by the Sub-Divisional Officer is to be accepted the contractor would loose a large sum in these 4 items. As regards the ~~XXXXXXXXXX~~ proportion of cement and sand mentioned by the Sub-Divisional Officer, the work was carried out in accordance with the original data which was approved by the Chief Engineer. Hence I request that the rate for the following items,

1. Rough stone in cement Rs. 66-12-0 per 100 C.ft.
2. ~~Fino~~ concrete work for cement columns Rs. 3-6-6 per R.ft.
3. Reinforced cement slab chaggas 2" thick Rs. 0-6-4 per S. ft.
4. Cement ~~plaster~~ Rs. 10-0-0 per ¹⁰⁰ S.ft.

allowed in the previous revised estimate may be sanctioned:-

Item No. 14 Rolled steel beams:- Rs. 85 is the profit claimed by the contractor on the whole expenditure of Rs.1791 for the purchase, hoisting and setting in of Rolled steel beam this ^{sum} of Rs. 85 is not too high or unusual in a work of this nature and the contractor's claim is reasonable. I request that it may be passed."

N. Narine.

For Director of Public Instruction.

He
20.3.16.

Copy of letter No. 121 M, dated 10-2-18 from the Executive Engineer, VII circle, T.R.S. Division.

"With reference to your letter No. 8736 dated 21-4-1917 and the subsequent reminder thereto dated 15-1-18, I have the honour to forward herewith a copy of my Sub-Divisional Officer's letter No. 17 E dated 7-1-18 for your information. *below* The rates now suggested by the Sub-Divisional Officer are reasonable and may be passed."

Copy of letter No. 17 E dated 7-1-18, from the Sub-Divisional Officer, Thirukoilar to the Executive Engineer, T.R.S. Division, VII circle.

"With reference to your No. 422 T.K.R. dated 25-5-17, I have the honour to submit my remarks on the revised rates claimed by the Danish Mission authorities.

1. Excavation in gravel and decayed ⁹⁻⁰⁻⁰ per 1000 C. ft. rock.

This item does not find place in the original estimate. This is only about 3 units and the rate may be passed.

2. Filling in sand in 6" layers for foundations watering and tamping &c. 5-0-0 per 100 C.ft.

The rate paid for the District Munsiff's Court work is 0-0-8 pies per Cft which works out to 4-2-8 per 100 Cft, watering and tamping 0-9-4. Total 4-12-0. ~~XXX~~ 5-0-0 per 100 cft. may be passed.

3. Rough stone in mortar for foundations and basement-- 30 Rs. against 27-8-0 of the old sanctioned estimate: considering the fact that 29-0-0 per 100 Cft was paid for a similar class of work in the next compound in the District Munsiff's Court work, 29-0-0 may be allowed. In the data, he adds contractor's profit 1-6-0: Since the rate for materials and labour alone for contractor's profit a rate of Rs. 29-0-0 per unit.

unit may be passed.

4. ----- Do----- for superstructure 31-0-0 against 28

5. Do for upper storey 32-0-0

These rates are fair and compare favourably with those paid for District Munsiff's Court work and may be passed.

6. Rough stone in cement in 9" courses: The data is right, but the cost of cement is too much. 25 barrels of cement were got for the District Munsiff's Court work from South Indian Industrial and its cost including incidental charges is 312-0-0 (Please vide C.B. 12/5-16 and 2/7-16) This work was completed before 7/16 if I remember right, because from the bill prepared by me for this work Somewhere near August 16, I think the item has been included in the bill at the above rate, the cost of 1 barrel works up to 12-8-0. Thus for each barrel there is an excess of Rs. 3-8-0. Therefore 11 1/3 Cft of cement or 2 1/2 barrels in excess is 8-12-0. Thus out of 66-12-0 per 100 cft, 8-12-0 may be deducted as being the extra charged in excess of the actual rate paid by the department during the time the work was under execution. The resulting rate will be 58-0-0. This rate may be passed.

Item No. 7 Ferro concrete work in cement for column 1'-6" Dr: with Sq: base 2'-9" in height &c: Here also the work was completed before August 16 and the cost of barrel then (as per South Indian Industrials) is 12 1/2 Rs. per barrel: Thus there is an excess of 3-8-0 per barrel:-

The quantity required for 11 1/2 Rft. column is 6 1/8 Cft or 1 1/6 barrels or 4-10-0. Deducting this from 38-4-11, the net cost for 11 1/2 Rft. of column is 33-11-0. Therefore the cost of per Rft of column is 3-0-0. This rate may be passed. It is open to doubt whether 50% of cement mortar is required for concrete. The data worked out in the District Munsiff's Court work for ferro concrete slabs is 40 % mortar. If the percentage is accepted the rate will be still further reduced. Also the proportion of cement to sand is stated to be 1:2. In the District Munsiff's Court work the proportion allowed is 2:5. If all these considerations be taken into account, the rate will be reduced to 2-10-0 per Rft.

3.

Item 8 Reinforced cement slab chajjas 2" thick: Here also the remarks for item 7 apply: There is no necessity for 50 % mortar as per data nor for the proportion of 1:2 for cement to sand: Allowing 40 % mortar and 2:5 proportion of cement to sand, the rate will work out 27-6-9 ---4 or 23-6-9 for Sft. or 0-5-6 per Sft.

Item 9 Cement plaster 2" thick. The cost of cement is said to be 16 Rs. but 12 1/2 Rs. is the rate paid to the South Indian Industrials. Hence the cost of cement will be reduced by 1-12-0 8-4-0 per 100 Sft. may be paid.

Item 10. Plastering. The rate may be passed.

Items 11 and 12. Cuddapah slab flooring 1" thick and ---Do--- 1 1/2 "over 6" sand. Therefore the rates of Rs. 21 and 24 may be passed.

Items 13 Cement pointing. A rate of 4-12-0 per 100 sft. may be passed.

Item 14. Rolled steel beams. Since this is actual, the rate may be passed, but the contractor's profit of Rs. 85 is unnecessary. This will reduce the rate by 14 Rs. per ton.

Item 15. Mangalore tiled roof. A rate of Rs. 25 may be passed. For teak wood wrought and put up, the revised estimate rate allows 6-0-0 per Cft. The work has been completed at least by the end of 1916, and there is no necessity to increase the rate from 5-8-0 to 6-0-0 per Cft. A rate of 5-12-0 per Cft allowed for the District Munsiff's Court work may be passed if the invoices show that a rate of 5-8-0 is unworkable. The revised estimate may be recast for the rates worked out above."

R. A. Arive.

M
20.3.18.

for Director of Public Instruction.

Page 6

NOTES

Danish Mission School, Tiruvannamalai

C No 677 ~~W/18~~ From the D.P. RC No. 8736/13
d. 20-3-18

P.V.D

DS.

The items as referred to in para "2 of the D.P.'s letter read above are:

	As approved by the E.E. & provided for in the Revised estimate Rs.	As claimed by the Contractor Rs.
(1) 1856 cft. Rough Stone in Cement	1076	1239
(2) 15 7/2 R-ft. Ferro Concrete (in cement) columns for Verandahs	473	536
(3) 825 Sft. Reinforced concrete Flat Chajjas	284	327
(4) 708 Sft. plastering columns with 1/2" cement mortar	58	71
(5) 6.16 tons rolled steel joists	1701	1786
	<u>3592</u>	<u>3959</u>

Rs 3959
3592
367
184
24,046
24,230

Items (1) to (4)

The Contractor's claims are based on the statement that good cement was used, ~~the same being~~ ^{in the proportion of} 1 to 6 for sand, and that the mixture for items (2) & (3) consisted of 50 per cent of cement mortar, 2 parts cement to 4 of sand.

|| If the Contractor's statement be true -
- vide his letter pp 3 & CF -, the CE.
Considers that the extra rates may

may be passed.

Item (5) above. The EE allows the actual cost finders. The Contractor claims a profit of ~~5%~~ 5 per cent. The C.E. considers that this reasonable & may be passed.
2. With the above these remarks, the file may be returned to Home (Educational) no.

7D 13/5/18

P.W.D. 677-4
DATED 13-5-18
with two plans
+ one est.

Home (Cell) no

11/5/18



Home (Edu) Dept.

If the contractor's claims in regard to certain items disallowed by the Ex. Engineer are allowed as recommended by the Chief Engineer above, the amount of the revised estimate will be raised by Rs 367 and the amount of the grant by Rs 184; that is, the maximum amount of the Grant will be raised from Rs 19,225 to Rs 24,230. The figures in the draft order have been altered accordingly and a para. has been added to that effect.

2. Subd that the draft order as thus amended may issue

14-5-18 JH 16516

CA 12-5-18

11/5/18

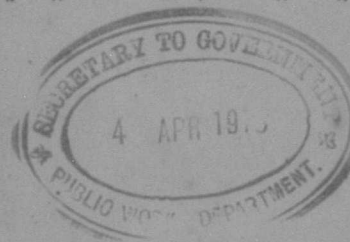
Raising the maximum amount of the — sanctioned for the acquisition of a site & for the construction of a building for the Danish Mission Secondary School, Tiruvannamalai, from Rs 19,225 to Rs $\frac{24,230}{24,040}$ ^{Id}.

READ AGAIN G.O. No. 1345 SE, dated 4th 30. 11. 1914

191 .

READ ALSO:—

C. No. 650 B, From the 299, No. 8736/13 dated Mar 20. 3. 1918.



ORDER

655 21-5-18
No. ~~3~~, dated ~~3~~ 1918

The maximum amount of the grant sanctioned in G.O. No. 1345 Est of the 30th November 1914 towards the cost of acquiring a site and constructing a building for the Danish Mission Secondary School, Tiruvankamalai, will be raised from Rs 19,225 to Rs ^{24,239.}~~24,046/-~~

allowing for the increased rates for certain items claimed by the Contractor. ~~There is no other~~

To, The D.D. with enclosures 2
 .. S.C. (Aro) (970)
 .. P.W.D. (Aro)

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