Revenue (1898) Department.

MISCELLANEOUS SERIES.

G.O., No. 4732

DATED 2nd December 98

[Despatch Abstract.]

BACK PAPERS.

G.O.	No	Department	Date	G.O	No	Department.	Date

FURTHER PAPERS

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BUILDINGS AND ROADS
CIVIL WORKS

Government {1898} of Madras.

PUBLIC WORKS.

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G.O., No. 2855 W., 11th November 1898.

Copy Rev. No. 473-2 D 2nd Dec 98

NOVEMBER. Communicated to the Board of Revenue.

RS 1-12-98 Ms 2/12/98

Lr

16 To the Board of Rev (LR) Dated 5-12-98

A 1-12-98

Office for the Deputy Tahsildar at Sathiavedu

Revised estimate of Rs 14,600 for constructing an — in the Chingleput district, sanctioned with remarks

GOVERNMENT OF MADRAS

PUBLIC WORKS DEPARTMENT

Buildings and Roads
Civil Works.

READ—the following papers —

G O, Mis No 3624, Revenue, dated 15th July 1897

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 16th June 1897, Mis No 2207 —

Read—letter from D D MURDOCH, Esq., Acting Collector of the Chingleput district, to the Secretary to the Commissioners of Land Revenue, dated Saidapet, 2nd June 1897, Ref on No 782 G1

With reference to paragraph 3 of the note by the Chief Engineer, Public Works Department, embodied in G O, No 3300 W, dated 18th November 1896, communicated with Board's Proceedings, Mis No 5565, Land Revenue, dated 16th December 1896, I have the honour to state that the estimate for the construction of an office for the Deputy Tahsildar at Sathiavedu was prepared without providing a room for the Police guard for the Sub treasury It was considered that a room was not necessary and that the guard might remain during the day in the verandah and at night in the Deputy Tahsildar's court room near the door leading into the treasury room, patrolling through the verandah On receipt of the Superintending Engineer's letter regarding accommodation for the guard, a reference was made to the Superintendent of Police He is of opinion that a room should be provided for the guard and I agree with him, the arrangement originally contemplated is not a satisfactory one A revised plan and an estimate for Rs 15,670 for the office have been prepared and they have my approval The estimate, together with plans, report and data, is submitted for the sanction of Government

Resolution—Mis No 2207, dated 16th June 1897

Submitted for the sanction of Government, with reference to G O, No 3300 W., dated 18th November 1896, communicated with G O, No 5073, Revenue, dated 10th December 1896

(True Extract)

(Signed) N S BRODIE,
Acting Secretary

Order—Mis No 3624, Revenue, dated 15th July 1897

Approved and transferred to the Public Works Department for sanction

(True Extract)

(Signed) C H B BURLTON,
for Ag Secretary to Government.

From Colonel C C RAWSON, R E, Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepak, 2nd October 1897, No 409 W

With reference to your memo, No 3993 C, dated 27th September 1897, I have the honour to draw your attention to the plan of the proposed Deputy Tahsildar's office at Sathiavedu,* from which you will see that the treasury and property room has a *tiled* roof as is allowed in the standard plan

* Sent herewith for reference

2 As it is obvious that a roof of mission pattern tiles is not a safe covering for a treasury, it is proposed to put in a covering composed of thin brick arches, half brick thick, with a very thin layer of concrete over, *under the tiled roof*, as a protection to the treasury, as was done in the taluk cutcherry recently built at Chidambaram The construction is *not* a terrace roof and cannot possibly carry any live load

3 I would, moreover, point out that the construction is a very old one and has been used for the coverings for buildings for years In addition to the taluk cutcherry at Chidambaram already referred to, the floor of the upper storey of Colonel Drake Brockman's house in Tanjore, recently bought by Government as a residence for the Executive Engineer, Tanjore, is carried on this construction, also I think the roofs of the treasuries at Chittoor and at Trichinopoly

4 There are also many buildings belonging to the South Indian Railway of this construction

From H T KEELING, Esq, Acting Professor of Engineering, College of Engineering, Madras, to the Superintending Engineer, V Circle, dated 13th October 1897, No A

In reply to No 295 M, dated 2nd October 1897, I have the honour to state that, presuming the rail in question to weigh 40 lb and be single headed, the answer to your question is 19 cwt The question is one of calculation and not experiment

No 103 W./C

Submitted to the Chief Engineer, Public Works Department, with reference to his memo, No. 3993 C, dated 27th September 1897 The calculations given to me by Major Love show that the strength of the beam is a little over one ton The weight that each rail carries is about one ton, not 2½

(Signed) C C RAWSON, Col, R E,
17th October 1897. Superintending Engineer, V Circle

From the Superintending Engineer, V Circle, dated 6th May 1898, No 317 W
" " " V " " 18th Sept " " 594 W

Note by the Chief Engineer, Public Works Department

The cost of the proposed building, viz, Rs 4-1-0 per square foot, is considered excessive, and the following reductions are therefore recommended

2 The soil appears to be good and the depth of 5 feet of concrete foundations under verandah posts is unnecessary The foundations of main walls should be 3' 10½" wide and 4 feet deep, and that of the retaining walls 3 feet wide and 3 feet deep

3 The terrace protection below the tiled roof in the treasury or property room is undesirable, as the space enclosed will harbour damp and vermin A corrugated iron ceiling under the rafters has been provided instead.

4 A cheaper description of roof has been entered in the estimate by omitting the ceiling planks of the rooms, and embedding the Mangalore tiles in ¾ inch rough mortar laid over flat tiles, placed on teak reepers 2″ × ½″, spaced at 6 inch centres, and with rafters 21 inches apart The weight of such a roof being only 21 lb to the square foot, the section required for the room rafters will be 2″ × 3½″, allowing 40 lbs per square foot for wind pressure

5 From data prepared in this office and forwarded herewith, it will be observed that the cost of a square of roofing, with Mangalore tiles embedded in mortar over flat tiles is Rs 25, against the estimate rate of Rs 47 for Mangalore tiles with teak planked ceiling

6 The total amount of the estimate has been reduced by means of the above alterations from Rs 15,670 to Rs 14,600

5th November 1898

(Signed) W B DEWINTON,
Chief Engineer

ORDER—No 2855 W, dated 11th November 1898

The revised estimate, amounting to Rs 14,600, as modified by the Chief Engineer, for constructing an office for the Deputy Tahsildar at Sathiavedu in the Chingleput district is sanctioned, in supersession of the estimate of Rs 14,460 sanctioned in G O, No. 3300 W, dated 18th November 1896

2 The existing grant for the work is Rs. 1,000

3 Attention is drawn to the Chief Engineer's note recorded above

4 This sanction has been registered as Provincial No. 80 W. of 1897–98 and classified as Civil Buildings—Original Works

(True Extract)

A Rennie

Under Secretary to Government

To the Superintending Engineer, V Circle, with seven enclosures
" Examiner, Public Works Accounts
" Revenue Department

Dr Hall

Lnd T K Narayana Aiyangar

When given for copying ____
When copied ____
When examined ____
When signed ____
} 189

READ AGAIN G O, No 189 DATED

CURRENT No

ENCLOSURES TO G O No

ORDER OF GOVERNMENT	A	A	A	A	A	A	A
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STATEMENT WITH DITTO							
PAPERS NOT FILED OR BEING MERELY FOR REFERENCE IN ORIGINAL							

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