Revenue (1898) Department.

MISCELLANEOUS SERIES.

G.O., No. 4478

DATED 16th November 98

[Despatch Abstract.]

Communicating to the Board of Revenue G.O. P.W.D. Sanctioning with remark revised estimate of Rs. 31,060 for constructing an upper storey to the Collector's Cutchery at Kurnool and specification for terrace roofing with "Ingrath" plaster, Submitted by the Consulting Architect, circulated to officers of the department for general guidance

BACK PAPERS.

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

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
Go	76 & R	Rev	6.6.99				

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BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1898} of Madras.

PUBLIC WORKS.

Dh 16/11/98

Recd. 11 Nov } 1898.
Regd. 15 " }

Enclosures

Spare copies

G.O., No. 2740 W., 22nd October 1898.

Encl Misc No 4478 T/16th Nov 1898

~~Go. Misc~~ Encl Misc No 4478
Communicated to the Board of Revenue.

OCTOBER.

RS 15-11-98

16 x 1/8

17 To the Board of Rev (Land Rev).

Collector's Cutcherry at Kurnool d 15-11-98 Drs. 18-11-98

Revised estimate of Rs. 31,060 for constructing an upper storey to the —, sanctioned, with remark; and the specification for terrace roofing with "mogul" plaster, submitted by the Consulting Architect, circulated to officers of the department for general guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Lieut.-Col. W. L. C. BADDELEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 3rd August 1898, No. 1604 W.

Adverting to your memo. No. 1920 C., dated 29th March 1898, I have the honour to submit, for sanction of Government, a revised estimate with comparative statement, amounting to Rs. 30,500,* for constructing an upper storey to the Collector's office at Kurnool.

* Or Rs. 32,400, if the pencil alterations be adopted.

2. The excess of Rs. 4,700 over the original estimate of Rs. 25,800 sanctioned in G.O., No. 1618 W., dated 3rd July 1895, is chiefly due to the alterations proposed by the Collector, and increase of rates.

3. The cause of excess has been explained in the comparative statement for each item.

From the Consulting Architect to Government, dated 26th September 1898, No. 2010.

ABSTRACT.—Submitting a specification for terrace roofing with mogul plaster and directions for making and laying the latter.

ENCLOSURE.

Specification for Terracing.

"Over the usual course of terrace bricks on edge lay and ram, to the proper slopes, concrete composed of—

2 parts brick broken to 1½ inch cubes;
1 part slaked lime.

Wet the broken brick first thoroughly, then add the layer of slaked lime to measure, and turn it over and over till well mixed, adding so much water as will ensure a proper stiff admixture, and not drain out any of the brick dust or lime water. The terrace plaster to be laid over this.

Concrete should be composed of—

2 cubic feet slaked lime.
½ cubic foot surki.
1½ sand.

Note.—This is for shell lime; for kunkur and stone lime, no surki is required. The proportion for latter should be—

1 lime, 1½ sand to 1¼ sand.

The lime, sand and surki should be screened through wire screens 16 mesh, mixed dry in above proportions, and then ground with water, in which—

6 lb. jaggery,
2 „ glue,
1 „ gallnut,

has been mixed—the gallnut having been well pounded and soaked for 24 hours previously; after grinding the above to a good stiff paste (it can hardly be too stiff), add 1½ lb. of gunny (hemp) chopped up fine, great care being taken to distribute it evenly through the mortar, for it should not be allowed to work into balls. Coarse hair, if available, is to be preferred, but it should have all grease boiled out of it. Continue grinding till all is thoroughly mixed. The consistency of the mixture, when properly made, should be such that it should stick fast to the fingers.

Having saturated with ordinary water the roof concrete, float a ⅜" to ¾" coat of the above, evenly over all. Then place women and children in line to whip the mortar till it hardens, throwing a little sugar water over it from time to time. Then beat it briskly with tarpies or wooden knives, and afterwards finish with a rendering of the same mortar, working it up to a level surface with wooden floats and keep on rubbing the surface and sweeping off the sand which is expressed from the mortar for sometime, using jaggery and gallnut water freely. No fine coat of plaster is necessary.

The work should, if possible, be carried on continuously; the edge of one rendering ought not to harden before the next rendering is put on.

When a section of roof is complete stop up all weep holes, and let 3" to 9" of water lie on the roof for a long time, say, 6 weeks or more; the longer the better. The water will not percolate.

(Signed) G. S. T. HARRIS,
Consulting Architect to Government.

From the Superintending Engineer, III Circle, dated 6th October 1898, No. 44 C.

Note by the Chief Engineer, Public Works Department.

An estimate of Rs. 31,060 for constructing an upper storey to the Collector's office, Kurnool, is recommended for the sanction of Government in lieu of the estimate of Rs. 25,800 sanctioned in G.O., No. 1618 W., dated 3rd July 1895, with the following remarks:—

(1) Terrace roofing with "mogul" plaster, in accordance with the accompanying specification, should be employed for the roof. The rate allowed, viz., Rs. 28-8-0 per 100 square feet, was arrived at from work executed departmentally at Madras, details of which are given in a footnote on the comparative statement, page 3.

(2) Steel girders of the sections provided in the comparative statement should be used. The slope of the roof, about ½ inch to the foot, should be obtained by fixing wooden battens to the upper flanges of the girders.

(3) Plastering has been allowed for the inside-walls of the rooms instead of pointing, to provide sufficient light; but the Executive Engineer can use his own discretion in the matter.

(4) The item Rs. 1,000 allowed for lightning conductors has been struck out. The improved method of lightning conductors has now been settled, and a circular will shortly issue on the subject. A supplemental estimate for the lightning conductor for this building can be forwarded in due course.

(5) The amount of the estimate as now revised will be Rs. 31,060.

(Signed) W. B. DEWINTON,
Chief Engineer.

7th October 1898.

ORDER—No. 2740 W., dated 22nd October 1898.

The revised estimate, amounting to Rs. 31,060, as modified by the Chief Engineer, for constructing an upper storey to the Collector's cutcherry at Kurnool, is sanctioned, in supersession of the estimate of Rs. 25,800 sanctioned in G.O., No. 1618 W., dated 3rd July 1895.

2. Attention is invited to the note by the Chief Engineer recorded above.

3. The specification for terrace roofing with "mogul" plaster, submitted by the Consulting Architect, is circulated to officers of the Public Works Department for general guidance.

4. The sanction accorded in paragraph 1 of these proceedings has been registered as Provincial No. 76 W. of 1898-99, and classified as Civil Buildings—Original Works.

(True Extract.)

A. Kennedy.

Under Secretary to Government.

To the Superintending Engineer, III Circle,
with enclosures.
„ other Superintending Engineers.
„ the Consulting Architect to Government.
„ the Superintendent of Works, Lighthouse division.
„ the Examiner of Public Works Accounts.
„ the Revenue Department.

Exd. T. K. Narayana Aiyangar.

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189

READ AGAIN G.O., No. DATED
189

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT	A A A A A A A
LETTER OF GOVERNMENT.	
STATEMENT WITH DITTO.	
PAPERS FILED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.	

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2,000—30-3-98.

17/11/98

Revenue (1898) Department.

Cir No 7631

CURRENT No. 7631

Endt Mis No 4479 d/17th Novr 1898

Referred to the Acct Genl for favour of v. Early remarks

[illegible]
17 XI 98

To the Acct Genl Dd 17-11-98
[illegible]

Order [illegible]

The Govt considers that Dr. Bourne should draw travelling allowance according to his rank as a professor of the Presidency College.

2. The Accountant Genl will be requested to pass Dr Bourne's travelling allowance bills for his tour to Coconada & Kodaikanal

The Acctt Genl
Dr Bourne
The Financial Deptt

From

A. G. Bourne Esq.
ag: Govt. Botanist, Madras

No. —

Dated 5th
Received 7th
Registered 8th
} Novr 98

Enclosures —

Spare copies —

SUBJECT.

Requesting that orders may be passed in regard to his travellance allowance bills for his visit to Coconada and to the Pulneys, as the same were returned unpassed by the Acctt Genl owing to want of Govt. Sanction &c