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Revenue (1899) Department.

MISCELLANEOUS SERIES.

G.O., No. 1886

DATED 29th May 99

[Despatch Abstract.]

Coming to Bd., Proc^p of the P. W. D., sanctioning with remarks revised estimate of Rs. 42,633 for constructing a first Taluk office at Madakasira, Anantapur Dt.

BACK PAPERS.

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

FURTHER PAPERS.

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

Revenue (1899) Dept.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1899} of Madras.

PUBLIC WORKS.

Current No. 2596.

Recd. 18th April
Reyd. 19th do } 1899.

Enclosures

Spare copies

G.O., No. 923 W., 28th March 1899.

G.O. mis No. 1886 dy 29th May 99
Communicated to the Board of Revenue.

MARCH.

(1) 751-111

16 to the Board of Rev (Land Rev).
Recd. 31-5-99

Taluk Office at Madakasira, Anantapur District.

Revised estimate of Rs. 42,633 for constructing a first-class —, sanctioned, with remarks.

(1) no sir; please see original G.O. below. 11.5.99

(2) yes

(2) the original is being

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, 17th January 1899, No. 270 W.

I have the honour to submit herewith, for favour of sanction of Government, a revised estimate, amounting to Rs. 42,633, for constructing the New Taluk Cutcherry at Madakasíra in Anantapur district.

2. The original estimates for Rs. 31,883 and Rs. 1,910 for this work were based on the standard design approved of in G.O., No. 3023 W., dated 11th November 1891, and sanctioned in G.O., No. 1197 W., dated 3rd May 1893, and G.O., No. 2175 W., dated 24th August 1893, respectively.

3. The excess over the original estimate is Rs. 8,840, and is fully explained in the comparative statement item by item.

4. The work is almost completed according to the revised design approved of in G.O., No. 2393 W. of 19th September 1893.

Note by the Chief Engineer, Public Works Department.

Original estimates for Rs. 31,883 and Rs. 1,910 for the Taluk Cutcherry, Madakasíra, Anantapur district, based on the standard design approved in G.O., No. 3023 W., dated 11th November 1891, were sanctioned in G.O., No. 1197 W., dated 3rd May 1893, and G.O., No. 2175 W., dated 24th August 1893, respectively. The revised estimate now submitted amounts to Rs. 42,633, or 26·16 per cent. in excess of the original estimate, and the causes of excess, as shown in the comparative statement accompanying the revised estimate, occur under the following main heads:—

		Rs.
(*a*)	Increase in rates	2,470
(*b*)	Increase in quantity	2,582
(*c*)	Change of materials	2,597
(*d*)	Deviation during construction	3,135
(*e*)	Unforeseen items	2,772
(*f*)	Increase in contingencies and supervision	707
	Total ...	14,213
	Deduct savings ...	5,373
	Net excess ...	8,840

2. The increase due to (*a*) is shown below:—

Sub-heads.	Rate in original estimate.	Rate in revised estimate.	Remarks.
	Rs. A. P.	Rs. A. P.	
(1) Foundation C. R. stone in mortar, second sort	13 10 0	14 0 0	Increase due to tender rate.
(2) Cuddapah slabs for cornice in cement ..	30 0 0	35 0 0	Do.
(3) Terracing, complete	29 8 0	30 8 0	Do.
(4) Teakwood, wrought and put up	4 8 0	5 0 0	Do.
(5) Do. panel doors	1 9 0 each.		Agreement made with contractor.
(6) Do. venetian windows	2 1 0 per sq. ft.	do.	Do.
(7) Painting	3 0 0 per sq. ft.	4 0 0	Three coats given instead of two coats.
(8) Teakwood punkahs	1 8 0 per R. ft.	40 0 0	Lump sum as actually executed.

The excesses on the first four items were due to the tendered rate being higher than the estimated rate; on items 5, 6 and 7 to the contractors being unable to supply doors and windows at the estimated rate per square foot, and punkahs at the estimated rate per running, and because he agreed only to a lump sum for each article; and on item 7 to an additional cost of painting. The increased rates were necessary, as shown by the data submitted, and can be passed.

Item (*b*).—The increase in quantity is mainly due to increased depth of foundation found necessary during construction, and to the sloping nature of the ground. The necessity of this increase might have been foreseen to some extent had a sufficient number of trial pits been sunk prior to the preparation of the estimate.

Item (*c*).—The change in material is mainly due to the substitution of stone for brickwork in parapet, and to Mangalore tiles for flat and pan tiles. The latter change was unavoidable, as no good local tiles could be made, and the former was advisable. Until the most suitable materials have been ascertained by the Rates Committee, such changes must occur from time to time, as better imformation regarding local resources is obtained. Other less important changes were pointing for plastering, and galvanized iron wire fencing for barbed wire fencing.

Item (*d*).—The deviations during construction are due to gothic and segmental archwork in main building being reduced from 1½′ brick to 1 foot ashlar arching; to addition of cutstone caps to pillars, and filling basement with sand; and to substitution of iron-grated doors, with frames and iron fastenings, for batten doors and windows. Sanction for these deviations should have been applied for at the time.

Item (*e*)—is due to unforeseen items found necessary during construction to suit change of materials, &c., such as "string course over arches," and "under Cuddapah slab coping," "plinth course," "chisel draft" and "roughly dressed ashlar," "glass tiles," "tar pointing floor," "shed for materials," "clearing compound," "cutstone for hooks, pillar caps and coping." These unforeseen items generally followed on the changes above noted, but in some cases are due to omissions in the original estimate.

Item (*f*).—The increase under this head is a proportional one on the figures of the revised estimate and calls for no special remark.

3. It is observed that the number of estimates for buildings in the Bellary division needing to be revised is very considerable as compared to those submitted from the generality of districts in the Presidency, and this is doubtless due to the paucity of information on record regarding the resources of the district, to the inexperience of the local builders, and to the absence of skilled labour. The Superintending Engineer should take steps to ensure that adequate rates are entered in the district schedule, and should see that excesses from avoidable causes, such as has been noticed above, are not in future allowed to occur. It would be well in future to enter an item, in estimates for buildings, under unforeseen work.

(Signed) A. W. SMART, Colonel, R.E.,
Ag. Chief Engineer.

8th March 1899.

ORDER—No. 923 W., dated 28th March 1899.

The revised estimate, amounting to Rs. 42,633, for constructing a first-class taluk office at Madakasíra, in the Anantapur district, is sanctioned in supersession of the estimates, aggregating Rs. 33,793, sanctioned in G.Os., Nos. 1197 W., dated 3rd May and 2175 W., dated 24th August 1893.

2. Attention is drawn to the Chief Engineer's note read above. The Government considers that such material changes as occur in this estimate, and the consequent increase in cost should, in future, be avoided as far as possible.

3. The expenditure on the work to end of 1897-98 was Rs. 33,095, and the grant for the current year is Rs. 3,370. The Superintending Engineer will apply for the unspent balance of the revised estimate in his statement of demands for incomplete works of the current official year.

4. The sanction accorded in paragraph 1 has been registered as Provincial No. 123 W. of 1898-99, and classified as Civil Buildings—Original Works.

(True Extract.)

A. Kumaraswami
Under Secretary to Government.

To the Superintending Engineer, III Circle, with enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. Shaik Karim.

Revenue Department

P.W. Go. 923 W dt 28-3-99
(Cno. 2596)

To the Under Secretary

When the question of preferring a wall of sun-dried bricks or mud to a wire fence was raised by the Rev. Dept in G.O. 6365 dt 9-12-97, it was decided in the P.W.D that there should be no hard and fast rule as to the kind of enclosure to be provided for public buildings and that each case should be decided on its own merits, local circumstances and local prices of materials being taken into consideration in determining the material to be used in each case.

2. An Estimate for Rs 31,983 for the construction of a 1st class taluk office at Madakasira in the Anantapur Dt was sanctioned in G.O. 1197 W, 3-5-93, and a Supplemental estimate

G.O. 3097 W
2-12-98

estimate which contained provision for a barbed wire fence was also sanctioned in G.O. 2175 W dt 24-8-93. Lastly a revised estimate for Rs 42,633 including the provision for wire fence was sanctioned in G.O. 928 W dt 28-3-99. It does not appear from this papers that the question of substituting other form of enclosure for the wire fence was considered in sanctioning the revised estimate but a galvanized wire fence (plain wire?) was substituted for the barbed wire fence originally provided.

The P.W. draft-order sanctioning the revised estimate was accepted by the Rev Dept, but the question of wire fence was not discussed in this Dept letter.

Orders are requested as to whether the P.W.D may be asked to state whether

wire portion marked in the P.W. Dept note flagged K

Current

S

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whether with reference to the decision contained in G.O. 3097 W dt 2-12-98, the relative merits of the different kinds of enclosures were duly considered in sanctioning the revised estimates.

Ley

19-5-99
RS
20-5-99

I think this should be noticed the ~~[illegible]~~ estimate for wire fencing in the revised estimate when G.O. 928 W dt 28-3-99 came in draft for ci. But as it was not noticed & as it will appear from the S.E's letter dt 17 Jany 99 para 4 (read in this G.O.) that the work was then almost completed, no objection need now I submit be raised.

Wilkes
23/V/99

Jaffe
26/5

*When given for copying*_____
*When copied*_____ } 189
*When examined*_____
*When signed*_____

READ AGAIN G.O., No. 189 , DATED

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT .. .. .. A A A A A A A

LETTER OF GOVERNMENT

STATEMENT WITH DITTO.

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