Public Works (1898) Department.

G.O., No. 2692 dt

DATED 15th October '98

50-70

[Despatch Abstract.]

Taluk Office at Tirukkuvalaipundi

Estimate of Rs 40,650 for Constructing a _____ in the Tanjore Dt, Sanctioned, vide Remark, for Rs as when funds are available

11D/6

I/B/98

Indexed. 12/10

[P. W. 26. 1,000—13-8-98.]

BACK PAPERS.

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

FURTHER PAPERS.

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

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. *Spare copies*

G.O., No. 2692 W., 15th October 1898.

OCTOBER.

Taluk Office at Tirutturaippundi

Estimate of Rs. 40,650 for constructing a — in the Tanjore district, sanctioned, with remark, for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Proceedings of the Board of Revenue (Land Revenue), Mis. No. 2176, dated 13th August 1898.

Read—endorsement of the Acting Collector of Tanjore, dated 1st August 1898, Dis. No. 3389-Rev., on letter from the Superintending Engineer, V Circle, dated 4th July 1898, No. 233 M.

Resolution—Mis. No. 2176, dated 13th August 1898.

The plan and estimates forwarded by the Collector of Tanjore for the construction of a new taluk cutcherry at Tirutturaippúndi are submitted to Government in the Public Works Department with reference to its order, No. 2375 W., dated 17th August 1896.

2. The Collector's attention is drawn to paragraph 4 (*f*) of Board's Proceedings, No. 232, dated 26th June 1896, under which the plan and estimates should have been submitted to Government direct.

(True Extract.)

(Signed) LIONEL DAVIDSON,
Acting Secretary.

Note by the Chief Engineer, Public Works Department.

For ceiling planks under Mangalore tiles, flat tiles over reepers 2″ × ½″ should be substituted, the Mangalore tiles being imbedded in mortar laid over the flat tiles of sufficient thickness to secure them in position.

2. Steel girders should be substituted for the four wooden beams in the three wards and the Police guard-room.

3. The data submitted with the estimate show Rs. 40 as the rate per square of flooring with Cuddapah slabs on 4″ concrete, but in the estimate Rs. 45 have been allowed. The necessary correction has been made in the estimate.

4. An error of Rs. 374 in addition occurs in page 7 of the abstract estimate. This has been rectified. The Superintending Engineer's particular attention is called to this, as it is not the duty of this office to check the arithmetical accuracy of estimates.

5. The estimate has been reduced from Rs. 42,400 to Rs. 40,650 by the above alterations and corrections, and is recommended for sanction.

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

16th September 1898.

Order—No. 2692 W., dated 15th October 1898.

The estimate amounting to Rs. 40,650, as altered by the Chief Engineer, for constructing a taluk office at Tirutturaippúndi in the Tanjore district, is sanctioned for execution when funds are available.

2. Attention is drawn to the Chief Engineer's note read above.

3. This sanction has been registered as Provincial No. 73 W. of 1898–99, and classified as Civil Buildings—Original Works.

(True Extract.)

(Signed) W. B. deWINTON,
Secretary to Government.

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

Exd. T. K. Narayana Aiyangar.

Public Works DEPARTMENT.

A/ His Excellency the Governor

Papers to be read in Proceedings:—

Again G.O., dated 189 , No.

Again G.O., dated 189 , No.

Current No. 6840 of 1898, dated 6th August , from the Board of Revenue (Land Revenue, Madras)

" " " 189 , " 16th October 1898 " the Chief Engineer P.W.

" " " 189 , " , "

Print

ORDER. No: 2692 W 3/5-10-98.

The estimate amounting to Rs 40,650 as altered by the Chief Engineer, for constructing a taluk office at Tirutturaipundi in the Tanjore District is sanctioned for execution when funds are available.

2. Attention is drawn to the Chief Engineer's note ~~dated~~ read above.

3. This sanction has been registered as Provincial No 73 A of 1898-99 and classified as Civil Buildings, Original Works.

16.9.98

Major

4/11/98 Note

This estimate has been dealt with

To the Revenue Department for favour of countersignature.

A.S.H. 10.10.98

To T/B/CS. PR/ 8775

The S.E. V circle with 7 encls:

" Examiner P.W. Accts.

" Revenue Department.

[P. W. 4. 500—17-6-98.]

with in the accompanying technical note and the note by the Chief Engineer.

16.9.98

Maj

M

Rev Dept

To the Under Secretary

The Construction of a new taluk office at Tiruturaipundi in the Tanjore Dt on the Standard design was sanctioned in G.O. 2895 dated 22nd July '96. An estimate therefor amounting to Rs 40,650 is now proposed to be sanctioned in the P.W. Draft order below receive for Countersignature. There appears to be no objection to the draft order being Countersignatured in the Rd.

Secy

30.9.98
RS
3-10-98

Secy
4/10/98

S
8/10/98

P.W. Department.

Note by the Chief Engineer, P.W.D.

For ceiling planks under Mangalore tiles, flat tiles over reepers 2" X ½" should be substituted ~~for ceiling planks under~~ the Mangalore ~~tiles which should be~~ being imbedded in mortar ~~which~~ laid over the flat tiles

2. Steel girders should be substituted for the 4 wooden beams in the 3 wards and the Police Guard room.

3. The data submitted with the estimate show Rs.40 as the rate per square of flooring with Cuddapah slabs on 4" concrete, but in the estimate Rs.45 have been allowed. The necessary correction has been made in the estimate.

4. An error of Rs.374 in addition occurs in page 7 of the abstract estimate. This has been rectified. The Superintending Engineer's particular attention is called to this, as it is not the duty of this office to check the arithmetical accuracy of estimates.

5. The estimate has been reduced from Rs.42,400 to Rs.40,650 by the above alterations and corrections and is recommended for sanction.

16.5.[illegible]

E.W.

Note by E.W.

The Supt Engineer V circle, with his No 233 M, dated 4/5 July 1898, submits for sanction an Estimate, amounting to Rs 42,000, for constructing a new Salary Office with out houses at Kumbarapass and is dealt with in the accompanying Technical note.

The following alterations in construction are ordered.

V. Instead of Mangalore tiles, ~~roofing with ceiling planks~~ it is proposed to substitute flat tiles over battens 2" x ½", and finished the Mangalore tiles in 1" thickness of mortar laid over the flat tiles. ~~for Main Building~~

2. Steel girders will be substituted for the 4 wooden beams in the 3 wards and Police Guard Room.

3. By the above alterations the Estimate will be reduced by Rs ~~1162~~ 40,837.

4. The data submitted with the Estimate shows Rs 40 as the rate for 1 sft of flooring with Cuddapah Slabs on 4" concrete, ~~and covered with Asphalt~~ but in the Estimate Rs 45 is adopted

this has been altered in the Estimate

In page 7 of abstract estimate an error in addition occurs of Rs 374 which has been rectified — The S.S. has therefore attention to correctness, as it is not the duty of this office to check the arithmetical accuracy of estimates

E. The total amount of Estimate has been reduced from Rs 42,400 to Rs 40,650.

14-11
10.9.98

14.9.98

Public Works Department.

Current No. 6840

Letter No. 2176 Misc

Dated 13th August 1898

From the Board of Revenue, Land Revenue Madras

TECHNICAL NOTE.

Name of Work. Constructing a new Taluq Kutcheery at Tirutturaipundi Taluq Tanjore District.

Amount of Estimate, Rs. 42,400.

W
The Mangalore tile bedded in mortar over flat tile have, to the Ex. Engr! best thanks, answered perfectly at the Jail' hospital quarters in Vellar, where they were laid down 3 years ago. I propose therefore to put out cutting flat tiles & substitute flat tiles. This will be effecting a considerable saving

A.K
10.9.98.

14.21
8.22
6.00

PARTICULARS OF ESTIMATE.

Main Building	Rs	33,607
Subsidiary Buildings	,,	1294
Grandling Cart Track & fencing		2143
Contingencies at 5 %	,,	1846
Petty Supervision at 2½ %	,,	931
Land Compensation	,,	1919
Conveyance of doors &c to Site		660
Total Rupees ...		42,400.

PARTICULARS OF CONSTRUCTION.

Surface soil Clay to +8.22. Ground level +14.21

Sub-soil Sand.

Foundations 5ft* deep of which bottom 2ft. will be of concrete in Chunam 4ft. broad and 3ft. of stock brick in Chunam in 3 footings. 3'×9". 2'6"×9". and 2'×1'6".

Basement Stock brick in Chunam 2ft. broad and 2ft. deep.

Walls To be of Stock brick in Chunam to heights allowed in Estimate. Segmental arch work over doors and windows and semi circular arches to be of Stock brick in Chunam

[P. W. 58 250—5-8-96.]

* above the sand sub-soil.

approved - estimate may be submitted for sanction when funds are available

14.9.98

* ft will have been filled in the sand

Plastering or Pointing Inside to be plastered with 2 coats of Chunam & polished, outside pointed with puzzolana mortar.

Flooring Court & Privies rooms to be floored with Gort Tiles on 6" concrete. Other rooms Verandahs with Cuddapah Slabs on 4" Concrete pointed.

Roofing Mangalore pattern tiles from Govt. Brickfield over Batt purlins 2" x 1".

Doors and Windows Well Seasoned teak. Panelled. ½ P & ½ Venetian - Iron bolts

Roof timbers Teakwood.

Scantlings as per Standard Type design.

Rates As per data attached to District Shedule of rates.

The plinth area of the main building is 10,793 square feet, and the cost per square foot will be Rs. 3. 14. 9.

The ~~plans and~~ estimates have been countersigned by the Ag Collector of Tanjore and

REMARKS.

This Estimate was called for in G.O. No 2375 W dated 17th August 1896. and also in item No 40, Part II, Class. B works of the Provincial Civil Works. Budget final issue for the year 1898-99 circulated with G.O. No 1161W. dated 11th May 1898.

The building is to be in accordance with the revised type design/Mangalore Tiled roof circulated with G.O. No 2393 W dated 19th September 893, and the Latrine and Cook-room of the type that accompanied G.O. No 1014 W dated 20th April 1899.

The record racks are to be made the same pattern as those supplied with G.O. No 802 W dated 19th March 1891.

See what reduction is effected in cost of estimate by substituting flat tile for ceiling planks, & bedding Mangalore tile in mortar over them

Data can be accepted.

Cost is very high, & should be reduced if possible.

Yes, alter estimate accordingly

Yes

~~Flat tile not.~~

Can be left if flat tiles are approved.

~~Cooly~~ Coolie.

Bills print at discrepancy to S.R. & meanwhile take data rate.. Compare rate with that for which such flooring was usually done in Sarabore entirely.

The Estimate has been checked & there is a mistake in the totals which has been corrected in pencil bringing the total amount of Estimate up to Rs 42,400.

The 4 wooden beams allowed in the Treasury, Wards, & Privies passages may, advantageously, be replaced by Steel girders.

The asphalt provided in the floors of certain rooms & Verandahs in Type design has been altered in Estimate into Cuddapah Slab flooring on a bed of 4" concrete, neatly pointed.

1 Coat of white silicate paint is provided in woodwork laid from view by ceiling planks Estimated to cost Rs 300. This seems unnecessary. Wood is not wont to be got particularly well seasoned and it would be better to leave it unpainted when seasoned to view and air.

The data prim sheets Rs 40 per Rman for Cuddapah flat flooring, but in this station Rs 45 is provided in Estimate.

Wire fencing, Shanis patent, to cost Rs 438 at 0-4-3 per sq ft for 1650 Rft Pt is provided in Estimate. The cheapest class of compound wall would cost 0-12-0 per

R[s] for or R[s] 1,238. The Revenue Dept, however, have approved of the fence.

Rs 1919 is provided in the Estimate for compensation for land settled in the Revenue Dept.

A Specification of work is attached to the Estimate.

A sum of Rs 1705 is provided for paveling the cart track from bridge to the West & around the building.

H-C.W.
7.9.98.

AGH
8.9.98.

Mr Berlé.

Estimate can be sanctioned, substituting flat tile for ceiling planks, & steel girders for 6 wooden beams.

2. Note can be drawn up stating alterations in cost effected by the above, & drawing Govt's attention to the discrepancy between data & estimate rate for Cuddapah slab flooring.

AGH
8.9.98.

vices
the fence will be amply sufficient.

Calculation for Girders.

3 Wards and Police Guard Rooms

Weight of Timber- lbs
Span 15½ ft. 7¾ × 16 × 90 = 11160
Joists - 12 × 16 × ¼ × 5/12 × 45 = 900
Live load - 7¾ × 16 × 80 = 9920
Total 21980 lbs
or 9.8 say 10 Tons

W = L × W
= 16 × 10 = 160

From page 25 plate 66 of Z & H's Table a girder 12" × 5" of 32 lbs per foot lb will suffice.

W
4 × 19 × 32 = 2432 lbs = 21.7 cwt
21.7 cwt @ 10 Rs = 217 Rs
11 Rs cheaper than Wooden Beams.

H-C.W.
9/19/98

Data for Roofing with Mangalore tiles, ~~with~~ reapers & flat tiles in Mortar

Data for reapers -

225 Rs. Pcs. required per Square of roofing with flat tiles.

225 Rs. Pcs @ 13 Rs. per 1000 = 2-15-0
Labor for putting up = 1-10-0
Total per Square Rs. 4-9-0

∴ for 1565 4 Rs. Pcs. cost = Rs. 714-

Data for flat tiles -

500 flat tiles required per Square.
Cost per Square with Labor - Rs. 2-12-
∴ for 156.5 × 2.75 cost - Rs. 430

Mangalore tiles (excluding reapers) -

Rs. 18 per Square for 156.5 Squares
= Rs. 2817-

* Channam plastering over flat tiles -

1" thick at 3 Rs. per Square for 156.5 Squares = Rs. 470

Total per Square Rs. 28-5-0.

* 14 Cub ft. per Square. @ 3/4" thickness. is required. The 1" mag. hommer, stand

A.R
10.3.38.

HRH
2/3/38

Public Works

~~Judicial~~ (1898) Department.

CURRENT No. 6840

From

The Board of Revenue,
Land Revenue, Madras.

Order

No. 2176 Misc.

Dated 13th August 1898

Received 16-8-98

Registered

Enclosures 7 (1 plan)

Spare copies

SUBJECT.

Submg., with remarks to Govt. in the P.W. Dept. the plan & estimates forwarded by the Collr. of Tanjore for the construction of a new Taluk cutcherry at Tirutturaipundi.

I
Inventing
A.R. 25-8-98.
D.W

O.S. 327/1298 1246/8 O.S. 371

BACK PAPERS.

G.O.	No.	Department.	Date.
	3297C PW.		23-7-98
	34180 -		6-12-97

FURTHER PAPERS.

G.O.	No.	Department.	Date.

2,000
15-7-98.

L

REVENUE BOARD OFFICE. MADRAS.

Proceedings of the Board of Revenue

(Land Revenue).

NO.1476 Misc. Dated 15th August 1898

Read endorsement of the Ag.Collector of Tanjore, Dis.No.3389-Rev.,dated 1st August 1898 on letter from the Super-- intending Engineer,V Circle,No.255 M,dated 4/5th July 1898.

Resolution

The plan and estimates forwarded by the Collector of Tanjore for the construction of a new Taluk cutcherry at Tiruturaipundi are submitted to Government in the Public Works Department with reference to its Order No.2375 W,dated 17th August 1896

2. The Collector's attention is drawn to para 4(f) of Board's Proceedings No.252 dated 26th June 1896 under which the plan and estimates should have been submitted to Government direct.

(True Extract)

Lionel Davidson

Ag.Secretary.

To the Secretary to Govt.,P.W.Dept.,with the papers in origl.
-- the Collector of Tanjore.

Q.B.

189 .

Board of Revenue

(Land Revenue),

MADRAS.

To

Subject.