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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 3326

Press
~~Mis.~~

300-01

Dated 15. 10. 1961.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
15th October 1869.*

No. 300. Read the following letter from the Officiating Superintending Engineer, 8th Division, to the Secretary to Government, Public Works Department, dated Camp at Courtallum, 21st September 1869, No. 1,382:—

I HAVE the honour to submit, for sanction, a revised estimate of Rupees 17,360 for building the Telegraph Office at Tuticorin, now in course of construction on the Budget grant of Rupees 15,400, Part II., Item No. 80.

1 Abstract Estimate.
1 Comparative Statement.

2. The original estimate was prepared by Assistant-Engineer Mr. Roberts, and forwarded with his letter of the 6th June 1868; but from some errors and insufficiency of rates for materials, an additional sum of Rs. 1,960 is now asked for. The principal items of increased charges are as follows:—

Rough coral stone was provided for the basement of the building, but as this stone is impregnated with salt, and causes damp, being also not compact for the raising of the superstructure, it has been considered necessary to substitute the hard sandstone, which is used for the better buildings about the place. The partition walls were also allowed a thickness of one foot, which is not sufficient for walls of fifteen feet height. The rate entered for sandstone was 6 Rupees, but this is inadequate; the current rate in Tuticorin for building with this material in chunam, is Rupees 7 per cubic yard. The excess on account of stone, therefore, amounts to Rupees 1,019-0-6. Due care was not exercised in entering the rates for terrace-roofing, which will cost Rupees 35 per square, instead of Rupees 28; nor in the rate for tile-roofing, which requires 27 Rupees, instead of Rupees 23. Bricks and tiles cannot be obtained anywhere near Tuticorin, but have to be made at Altoor, at a distance of fourteen miles. A difficult tract of country has to be passed over in the conveyance of these materials—the route lying through deep sand—and high charges are consequently made for cart hire. The excess in the different kinds of roofing comes to Rupees 458-13-1.

There was an omission in the estimate in not providing lintels over the doors and windows, and these being seventy-two in number, the cost is Rupees 427-13-0.

No provision was made for the acquisition of land for the site of the Telegraph Office—the Collector selected the spot—and there is a demand for Rupees 575 on this account. The items of excess thus detailed aggregate Rupees 2,480. There is a set-off of Rupees 331 by substituting pointing for plastering; and there are other slight reductions in the items for establishment, scaffolding, and sundries and in the cost of doors, the result being an increase in the estimate of Rs. 1,960.

3. As regards the provision of funds, there are two allotments in this year's Budget for building Telegraph Offices at Palamcottah and Trevandrum, Part II., Items Nos. 81 and 82, Rupees 12,000 and Rupees 10,000. The plans for these buildings have not yet been made, as a reference to the Government of India regarding the accommodation required has not been answered, *vide* G. O., No. 2,406, dated 22nd July 1869, I would therefore request sanction for a transfer of Rupees 1,960 from the allotment of Rupees 10,000 for the Telegraph Office at Trevandrum.

*Proceedings of the Madras Government, Public Works Department,
15th October 1869.*

No. 301. ORDER THEREON, 15th October 1869, No. 3,320.

CIVIL WORKS, No. 40.

UNDER the explanations furnished
in this letter, the Government approve
of the revised estimate of Rupees 17,360

for the construction of the Telegraph Office at Tuticorin.

2. With reference to para. 3, the Superintending Engineer will observe from G. O., No. 3,142, dated 29th September 1869, that the Budget grants for the Telegraph Offices at Palancottah and Trevandrum have been surrendered to the Government of India, and if Captain Prendergast be unable at present to propose any transfers from Budget allotments under heads other than "Military" and "Agricultural" to meet the increased outlay on the Telegraph Office at Tuticorin, he will take steps for restricting the outlay to the authorized grant until funds can be made available.

(True Extract.)

(Signed) H. TULLOCH, Captain, R.E.,

Acting Under Secretary to Government.

To the Superintending Engineer, 8th Division.

.. Controller of Public Works Accounts.

.. Accountant General.

.. Public Department.

Ed. S. T. Augustin.

N. 1382

Camp Courtallam
21st September 1869.

Thom.

Captain W. S. Prendergast
Officiating Superintending Engineer
8th Division

To Colonel C. A. O. M.
Secretary to Government
Madras.

Enclosures 2
1 Abstract Returns
1 Comparison
Abstract

Sir,
I have the honor to submit
for your consideration a revised estimate of Rs.
17,360, for building the Telegraph Office,
Office at Tuticorin, now in course of
Construction on the Budget grant of
Rupees 15,400, Part II Memo. No. 80.
2. The original estimate was prepared by
Assistant Engineer Mr. Roberts, and
forwarded with his Letter of the 6th June
1868. but from some errors, and insufficiency
of rates for materials, an additional sum
of Rupees 1900 is now asked for.

Ch.

The principal items of increased charges are as follows:

Rough coral stone was provided for the basement of the building, but as this stone is impregnated with salt, and causes damp, being also not compact for the raising of the superstructure, it has been considered necessary to substitute the hard sand stone, which is used for the better buildings about the place. The partition walls were also allowed a thickness of 1 foot, which is not sufficient for walls of 15 feet height. The rate entered for sand stone was 6 Rupees; but this is inadequate: the current rate in Duhcorin, for building with this material in Churamo, is Rupees 7 per cubic yards. The excess on account of stones, therefore amounts to Rs 10 10 0 6.

Due care was not exercised in entering the rates for terrace roofing: which will cost Rs 35 per square instead of Rs 28; nor in the rate for tile roofing, which requires 24 Rs instead of Rs 23. Bricks

and

and tiles cannot be obtained any where near Duhcorin; but have to be made at Athoor, at a distance of 14 miles. A difficult tract of Country has to be passed over, in the conveyance of these materials, the route lying through deep sand; and high charges are consequently made for cart hires. The excess in the different kinds of roofing comes to Rupees 458 - 13 - 1.

There was an omission in the estimate, in not providing lintels over the doors and windows; and these being 72 in number, the cost is Rs 427 - 13 - 0.

No provision was made for the acquisition of land: for the site of the Telegraph Office: the Collector selected the spot, and there is a demand for Rs 578 on this account. The items of excess thus detailed aggregate Rs 2,180. There is a set-off of Rs 331 by substituting pointing for plastering; and there are other slight reductions in the items for establishment, scaffolding and sundries, and

and in the cost of doors: the result being
an increase in the estimate of Rs. 19600

3. As regards the provision of funds,
there are 2 allotments in this year's
Budget, for building Telegraph Offices
at Palamcottah and Chevandram:

Part II Items No. 81. and 82 Rs. 12000

and Rs. 10,000. The plans for these
buildings have not yet been made: as a
reference to the Government of India
regarding the accommodation required,
has not been answered. With C.C.

N. 2406 dated 22nd July 1867, I would
therefore request sanction for a transfer
of Rs. 19600 from the allotment of Rs.
10000 for the Telegraph Offices at
Chevandram.

I have the

honor to sign

Captain R.

Off. Superintending Engineer.

S. Division.

Mr. Secy. Dept.
Pro. of Gov. for October
No. 1382
Memo No. 4066

The Off. Secy. of the
8th Division

To the Secy. to Gov.
Madras

Dated 21st September 1869.
Received 27th
No 3326-15th Oct 1869

Submits for sanction a revised
Estimate of Rs. 17,300
for building the Telegraph
Office at Dindigul; explains
the cause of the revision of the
original Estimate of Rs. 15,400
and requests sanction for a
transfer of Rs. 1900 from the
allowment for Dindigul Telegraph
Office, to meet the additional
grant required.

No. 300

C. 22 Oct 69 R. 9

Comparative statement showing the difference between Revised and Original Estimates for Constructing Electric Telegraph Office at Tuticorin.

Particulars of work	Units of Measurements	Original			Revised			Difference		Remarks
		Quantity	Rate	Amount	Quantity	Rate	Amount	Lfs	Pesos	
Rough or Coral Stone in Chumam	Cyds	827 $\frac{331}{432}$	5	4138 13 9	681 $\frac{2516}{27}$	5	3411 4 2	727	97	Due to basement built of sand stone
Hard sand stone in Chumam	"	511	6	3084	690 $\frac{276}{27}$	7	4830 10 1	1746	101	Additional thickness of partition walls
Cornice work in Chumam	"	2 $\frac{27}{27}$	6	12 8	5 $\frac{4}{9}$	8	41 7 1	28	151	Due to excess in quantity & Rates
Pointing with Chumam	Square	"	"	"	2617 $\frac{7}{8}$	2	654 4 10	654	4 10	Due to Pointing Substitute for plastering
Plastering with Chumam	"	28110 $\frac{7}{8}$	3 8	985 10 1	"	"	985 10 1	80	80	
Flooring with hard sand stones 1 ft square and levelling course underneath	"	5427 $\frac{1}{2}$	10	542 11 7	5346 $\frac{7}{16}$	10	534 10 3	8 1 4	"	
Do with Gravel or Concrete	"	"	"	"	206 $\frac{1}{2}$	2 8	5 2 5	5	2 5	For floors of stables omitted in Original Estimate
Terracing with brick on edge jelly 3" thick 2 Courses of flat tiles and plastering with 3 coats of Chumam to the ceiling and top of the service year Complete	"	1121	28	313 14 1	1121	35	392 5 7	78	76	Due to excess in rates owing to distance (14 miles) from which bricks year have to be brought..
Roofing with Dalmirah Couples of 2 Collar pieces hip and jack rafters cor Crookaroo reapers, nails flat and pan tiles and Chumam borders year Complete	"	3273 $\frac{1}{2}$	30	982 2	3294	30	988 3 2	6	12	Do Do
Do with Dalmirah hip Common and Jack rafters Crookaroo reapers, nails, flat and pan tiles and Chumam borders year Complete	"	4735 $\frac{1}{2}$	23	1089 2 7	4891 $\frac{1}{2}$	27	1320 11 3	231	88	Hip and Jack Rafters not provided in Original Estimate Tiles have to be brought from a distance of (14 miles)
Do Do Do with pan tiles and Chumam borders year Complete	"	1430 $\frac{1}{2}$	20	286 9	1539 $\frac{1}{2}$	27	415 11 3	129	101	Do Do
Do Do with Dalmirah Couples Single Collar piece, hip and Jack rafters reapers, nails, and pan tiles	"	90	18	16 3 2	117	25	29 4	13	10	Do Do
Kongoo Wood brought and put up	C feet	363 $\frac{157}{16}$	3 8	1273 4 4	486 $\frac{7}{88}$	3 8	1701 1 4	427	13	Due to Linkly over 72 Doors & Windows not provided in the Original Rates
Wood Oil 2 Coats	Square	"	"	"	524 $\frac{1}{2}$	1 8	78 11 3	78	11 3	Due to Wood oil not provided in the Original Estimate.

Comparative statement showing the difference between Revised and Original Estimates for Constructing Electric Telegraph Office at Tuticorin.

Particulars of work	Units of Measurements	Original			Revised			Difference		Remarks
		Quantity	Rate	Amount	Quantity	Rate	Amount	Excess	Deficit	
Excavating foundation — Sand —	Cybs	"	"	"	578 ^{25 1/2} / ₂₇	"	9 27 1 2	"	27 1 2	
Doors in wall in sizes from 5'x8' to 3'x6'	N ^o	48	"	1359	48	"	1097	62	"	
Windows — Di — from 4'x6' to 2'x2 1/2'	N ^o	24	"	318	24	"	318	"	"	
Planks for shelves —	"	"	"	1 1/4	"	"	1 1/4	"	"	
Stone brackets —	N ^o	38	12	28 8	38	12	28 8	"	"	
Compensation for land —	"	"	"	"	"	"	575	575	"	Due to Compensation for land not provided in the Original Est ⁿ .
Retra Establishment —	"	"	"	440	"	"	400	40	"	
Scaffolding and Sundries —	"	"	"	528 3 8	"	"	446 1 9	82 1 11	"	
Total Estimate Rs —				15400			17500	1905 6 11	1005 6 11	

Deduct Original Estimate Rs 15400
 Net amount to be sanctioned — 2100

A. Colquhoun
 Sub Engineer in charge of 1st Range.

Am Sender to
 Offg. Superintending Engineer
 8th Div.

1st Range Office
 Palamcottah
 7 July 1869
 JRD
 Draughtsman & Secy

16	Pairs of 2 Panelled and 2 Venetian doors with frames, hooks, hinges, and bolts per Complete 4x8 at	40	640	..
1	Pair of Panelled doors with frames, hooks, hinges, bolts, &c. Complete 4x8 at	30	30	..
27	Pairs of Panelled doors with frames, hooks, hinges, bolts &c. Complete 3x6 at	20	540	..
2	Pairs of Venetian window shutters with frames, hooks, hinges, bolts &c. Complete 4x8 at	25	50	..
2	Pairs of 2 Panelled and 2 Venetian window shutters with frames, hooks, hinges, bolts &c. Complete 4x8 at	22	44	..
4	Do. Do. Do. 3 1/2 x 1 1/2 at	20	80	..
4	Do. Do. Panelled, window shutters, with frames, hooks, hinges, bolts &c. Complete 3x3 1/2 at	13	52	..
6	Do. Do. Do. 2 1/2 x 2 1/2 at	9	54	..
2	Do. Do. Do. 2 x 2 1/2 at	7	14	..
	Planks for shelves at	..	1	14
38	Stone brackets at	12	28	8

Sundries 26 11 6 32 5 3
Rupees 14323 4 6 14221 10 9

Kitchen Room

62 ²⁵⁸ / ₂₇	Cyds. Rough or Coral Stone in Chumam at	5	310	8 5
106 5	Do. Do. Pointing with Chumam per square at	2	26	10
10 3/8	Cyds. Rough wood wrought & put up at	3	35	10 6
52 5	Cyds. Roofing with Palmira Couples of 2 Collar pieces, hip and jack rafters, &c. Complete per square at	27	141	12
24	Cyds. Excavating foundation sand at	..	9	1 2
1	Pair of Batten doors with frames, hooks, hinges, bolts &c. Complete 3x6 at	14	14	..

2	Pairs of Batten window shutters with frames, hooks, hinges &c. Complete 2x3 at	6	12	..
	Sundries		541	10 11
	Rupees		3	5 4

Padron and Stable

114 ²⁵⁸ / ₂₇	Cyds. Rough or Coral Stone in Chumam at	5	571	11 9
206 1/2	Do. Do. Pointing with Concrete or gravel per sq. at	2	8	5 2 5
214 5 1/2	Square ft. Pointing with Chumam per sq. at	2	53	10 2
19 7/8	Cyds. Rough wood wrought & put up at	3	8	69 3 7
101 1/2	Sq. ft. Roofing with Palmira Couples of 2 Collar pieces, hip and jack rafters, &c. Complete per sq. at	27	273	15 8
43 ^{12 3/8} / ₂₇	Cyds. Excavating foundation & sand at	..	9	2 7
2	Pairs of Batten doors with frames, hooks, hinges, bolts &c. Complete 3x6 at	14	28	..
2	Do. Batten window shutters with frames, hooks, hinges &c. Complete 2x3 at	6	12	..

Sundries 1015 12 2
Rupees 1020 10 10

Privy

26 ^{12 3/8} / ₂₇	Cyds. Rough or sand stone in Chumam at	5	132	5
62 5 3/8	Square ft. Pointing with Chumam at	2	16	10 4
3	Cyds. Rough wood wrought & put up at	3	8	10 8
117	Square ft. Roofing with Palmira Couples of 2 Collar pieces, hip and jack rafters, &c. Complete per sq. at	25	29	4
10 3/8	Cyds. Excavating foundation sand at	..	9	7 7

Sundries 188 2 18
Rupees 190

Compensation for land 575 ..
Extra Establishment 400 .. 975 ..
Scaffolding & Sundries at about 5 per Cent 1 10 ..
Total Estimate Rupees 17500 ..

Amstunbury
Off. Secy
Palamoal
1 July 1869

A. Colquhoun
Sub Engineer in charge of the works

I do hereby certify that the above Estimate for Constructing and equipping Electric Telegraph Office at Tuticorin amounting to Rupees 17,500— Seven thousand five hundred provides for every thing necessary, and that no supplementary works will afterwards be required.

A. C. G. Brown
Sub Engineer in charge of the
Range.

Checked and Estimated
for Constructing and Equipping
Telegraph Office at
Tuticorin.

1st Lt. Col. G. Brown
Commanding Engineer

2nd Lt. Col. G. Brown
Commanding Engineer

Enclosure & other papers
for the Office of the
Commanding Engineer
at Tuticorin dated 21st September
1869.

Estimated Rupees 17,500—

M. 4066/69

Public Works Department
No. 3326

Proceedings of the Madras Government
dated the 15th Oct 1869
Read the following

From The Offr Supt Engrs
8th Dec 1869 } H. E. No. 13829/21st Sept. 1869

W. A.

A. A.

Under the explanations furnished in this letter, the Government approve of the revised estimate of Rs. 17,360 for the construction of the Telegraph Office at Tuticorin.

With reference to para 3 the Supt Engrs will observe from G. O. No. dated that the Budget grants for the Telegraph Office

at Palencottah and
Tevanohum have
been surrendered to
the Govt of Delhi,
and if Captain
Pendergast be unable
at present to propose
any transfer from
Budget allotments
under heads other than
"Military" and "Agricultural"
to meet the increased
outlay in the Telegraph
Office at Tuticorin,
he will take steps
for restricting the outlay
to

to the authorized grant
until funds can
be made available

W.B.

To
The Secy & Secy
" Comd'g
" Asst Secy
" Public Works

15th October/69

4066

Govt. of 1869: Madras.

PUBLIC WORKS

The Superintending Eng^r
8th Division

15th Oct 1869 No. 3326.

No. 300-301

Telegraph Office - Revised
estimates of Rs 17,360 for
the Telegraph at Interior
approved and the Sup^r
Eng^r informed that the
grants for the office at
Palamedtah & Sreemadman
have been surrendered to
the Govt of India and
the outlay on the office
at Interior must be
restricted to the authorized
grant for the work.