M.R.O. 1—10,006—23-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2855		Press
B.P. No.			Mis. —
			C875
Dated	6 — 10 —		— 195 — .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 6th October 1875.

No. 71. Read the following letter from J. D. GRANT, Esq., Officiating District Engineer, Tinnevelly, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Palamcottah, 30th August 1875, No. 65:—

In accordance with orders conveyed in G. O., No. 2,158, of 27th ultimo, I have the honor to report further regarding the Morapanad Station-house.

2. On the occasion previously referred to by me in November 1874, the river water is reported to have surrounded the building rising to the level of the floor; this flood, however, though extraordinarily high cannot be considered a maximum, as from inquiries recently made it would appear that the highest known flood in the river would be about 3 feet above the level of that of 1874, but when the estimate was made the possibility of such an occurrence was unknown.

3. The estimate was not for the construction of a new building, but for improving an old Cutcherry so as to fit it for use as a police station.

4. The estimate originally prepared amounted to Rupees 500 only, but this was subsequently revised by Mr. Rundall, when District Engineer; the alterations made by him bringing the total up to Rupees 930, for which amount the estimate was sanctioned in G. O., No. 131, of 18th September 1873.

5. During the execution of the work it was found necessary again to revise the estimate, allowing a greater depth of foundations for the cross wall, which was on new foundations, *viz.*, 4 feet instead of 2 feet 6 inches, the width allowed 2 feet not being altered.

6. There were also some minor alteration in flooring, &c., but the amount of the estimate, Rupees 930, was not exceeded.

7. The work was throughout supervised by Mr. D. McNair, who was in charge of the Tinnevelly Range, and the completion certificate was given by him.

8. As far as I can see, the work though not first-class is worth the rate allowed, Rupees 4 Annas 4 per cubic yard, as in that neighbourhood Rupees 5 would have to be paid for first-class work; the mistake made, I think, was in attempting to patch up an old building and in building new walls on old foundations, the stability of which was doubtful.

9. An estimate will be prepared for a new building on a more suitable site if possible, regarding which the Superintendent of Police has been communicated with.

No. 71-A. From the same officer, dated 20th September 1875, No. 75.

No. 72. Order thereon, 6th October 1875, No. 2,858.

CIVIL WORKS, No. 6.

Ordered to be recorded. A great mistake was doubtless made in building on old foundations whose state was imperfectly known and which were liable to inundation in floods.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Tinnevelly.
„ Inspector-General of Police.
„ Judicial Department.
Exd. E. C. Shunker.
Spare Copies

1865.

District Engr's office Tinnevelly
Palamcottah 30th August 1865

From,

J. D. Grant Esqre
Offg Superintending Engineer
Tinnevelly

To,

Major General G. T. Walker C.B.
Secretary to Government P. W. D.
Madras

Sir,

In accordance with orders contained in G. O. No 2158 of 27th Oct 1864, I have the honor to report further regarding the Nuraganiacoil Station bridge.

2 On the occasion previously reported to you in November 1874, the river water is reported to have surrounded the building rising to the level of the floor, this flood however though extraordinarily high cannot be considered a maximum, as from enquiries recently made, it would appear that the highest known flood in the river would be about 3 feet above the level of that of 1874, but when the estimate was made the possibility of such an occurrence was unknown.

3. The Estimate was made for the Construction of a new building but in improving an old building it was found necessary to pull it down and to use as much of the old foundations as possible.

4. The Estimate originally prepared amounted to $ 500 only, but this was subsequently revised by Mr. Mundell when District Engineer, considerable made by him bringing the total up to $ 930 for which amount the Estimate was sanctioned in G.O. No 181 of 15th September 1873.

5. During the execution of the work it was found necessary to increase the Estimate, allowing greater depths of foundations for the Cross wall, which was on new foundations, viz 4'-6" instead of 2'-6", thereby the allowed 2'-0" not being altered.

6. There were also some improvements in the plan, but the amount of the Estimate did not exceed

7. The work was throughout inspected by Mr D. Mc Shane, who was in charge of the Immediately Range and the Completion Certificate was given by him.

8. The Jail and Court House, the work

though not first class is worth the rate allowed, 4 $ 4 c$ per cubic yard as in that neighbourhood 5 $ would have to be paid for first class work the mistake made I think was in attempting to patch up an old building and in building new walls on old foundations the stability of which was doubtful.

9. The Estimate will be prepared for a new building on a more suitable site if possible, regarding which the Superintendent of Police has been communicated with.

I have the honor to be
Sir
Your Most Obedient Servt
J. D. Ewart
Asst Dist Engineer

Specification Report to accompany Petition
of dep of 1872-73 amounting to Rupees 600 for improving
the Police Station House at Mhowsspaun and the Gaol
Lockup Dist Indore.

No 506

Mhow.

The D.C. Simcoe

in reference to previous
the plan and estimate
the Mhowsspaun Police
Thereto which returned
to him on the 17th Feb 1874
ing, complete in all the
required, contained in his
letter No 182 of 10th idem

17th Gentleman. Major Genl.
Brief Engr. Rajpootana

Enclosed
13th Feb 1875

The D.C. Simcoe

of chunam, coursed and roughcast of 1 ft of Lime
to 1½ of Pucca sand well ground, to be laid with
hand. Heath over the walls, to be rubbed to a smooth
and level surface and whitewashed 2 coats

by an hereabouts
ending to the

his annual
with the
Rupees
Rupees

be taken that
me from April
ich shall
Govt. Also
plan under

Pol. Dept. No: 5664

The Offg Secretary Govt
of India
Simla

The Secretary to Govt
N.W.P.

Ch. D.C. Mhow No 506
Dated 26th August 1875
Answer D Feb 1876

M 65

Reports further res
egarding the Mhowsspaun
Station House

S.C. 2858 6-10-75.

No 71

Cir-1-10-75
Rec'd 2-9-75
Dep't Sec'y 3-9-75

Specification Report to accompany Estimate
Do of 1872-73 amounting to Rupees 900 for improving
the Police Station House at Muraspuram in the Tin
-nevelly District.

1. The building to be improved as per al
-terations made in the Plan and according to the
provisions of the Estimate.

2. The old walls and roof of the building
to be removed carefully, the whole of the tiles must
be stacked in some convenient spot within the
compound.

3. The superstructure to consist of sound well
burnt bricks of Government size in chunam, pre
-pared in proportion of one of lime to 1/2 of clean
sharp sand well beaten; care must be taken that
the water and sand are altogether free from salt.
The mortar joints not to exceed 1/8 inch thick.
English bond to be observed throughout. The
bricks to be well saturated in water when used.

4. The walls are to be plastered with one coat
of chunam, composed in proportion of 1 of lime
to 1/2 of River sand well ground, to be laid with
hand floats and over the walls to be rubbed to a smooth
and level surface and white washed 2 coats

Cc-1-10-75

S.P. 2892 of 1-10-75

Estimate 14 nos.

5. The exterior side of walls, and the jambs and soffits of apertures will be whitewashed, for a band of 9 inches wide of the sides, and 1 foot at top of the interior side of openings will also be whitewashed and the rest of the building inside will be color washed.

6. The floor to be of concrete 6" thick and plastered with 2 coats of chunam. The concrete to be composed of 3 parts of broken bricks mixed with 3 parts of mortar and well beaten down.

7. The Roof to be of best 2 inch Rafters, rafters 3 inch flat and pantiles and chunam borders complete. The rafters and rafters to be of sound black palmirah wood. The rafters are to be 6" apart or according to the size of flat tiles and the pan tiles to be closely laid over so as to overlap 2/3 of their length. The wall plates &c to be of wood available from the old Building.

8. All Doors and windows to be mounted, each door to be provided inside with 2 strong hinges and bolts and a strap chain and lock also to be provided. The windows to be provided with 4 hinges and a strong wooden button inside.

9. New gratings are to be made of sound and seasoned Vangay wood free from knots and cracks. Each grating should be provided with 8 iron bars 3/4" square without shutters.

10. All the lime used on the work to be slaked after delivery on the spot.

11. All rejected materials if not at once removed by the individual contracting for the same will be carted away at his cost.

24th February 1873

I. W. Rundall
District Engr

In the gable ends 2 roof Ventilators will be provided with clear opening 4'.6" x 0.6 will be provided, 1 one Iron bar Ventilator in the female ward

I. W. Rundall
Dist. Engr

4th August 1873.

Detailed Estimate No 4 of

Jaffna District — Jaffna Taluk

Work — Improving the Police Station Kankesanturai

Detail of Work.	Number.	Measurements in feet: Length	Breadth or Thickness	Height or Depth	Contents.	Total quantity of each description of work.
Removing old work:						
Removing old roof	1	49½	49½	46	2277	
Removing old Roof and stacking the tiles at the convenient spot within the compound	1	34	34	10½	1357	
Old mud Terrace over the wood	1	34	34	10½	1357	
Removing old mud Terrace Superfeet						367
Work:						
Front and rear walls between Verandah & Registrars Rooms	2	44½	89	1½	8	1068
Cross walls	1	34	34	1½	8	408
Pillars	1	12	6	1½	16	144
Bathroom	4	4½	18	1½	8	216
Partition wall	1	9	9	1½	8	108
Old Platforms	1	11	14	12½	1½	262½
				Cubic feet		2206½
Deduct for:						
Doors	2	2½	5	1½	5½	101¼
Doors	8	3½	28	1½	4½	189
Windows	2	1½	3	1½	1½	6¾
Pillar spaces						28
				Cubic feet		324
Removing old work cubic feet						1969½
being equal to cubic yards						73
Brick Work in chunam:						
Foundation including basement						
Front and rear walls between Verandah and Registrars Rooms	2	25¾	74½	2	1	413
Verandah and Registrars Rooms	1	33½	33½	2	1	67
End wall in rear	1	33½	33½	2	2½	167½
Cross wall						

Partition wall	1	9½	9½	1½	2½	35⅝
Superstructure:—						
Front and rear walls between Verandahs & Registrar's Room	2	35½	71	1½	8	852
End wall in rear	1	24	24	1½	8	288
Roof wall	1	24	24	1½	8	288
Gables	2	10⅝	21½	1½	1½	115⅝
	1	14	14	1½	8	168
Partition wall	1	10	10	1⅛	8	90
Gable	1	10⅝	10⅝	1⅛	4½	52½
			Cubic feet			2638¾

Deduction:—

Doors	2	2½	5	1½	5½	41¼
Windows	5	3½	17½	1½	1½	118⅞
Gratings	3	1	12	1½	2½	45
Flat arch Work:—						
Doors	2	3½	7	1½	1½	15¾
Windows	5	1½	22½	1½	1½	60⅝
Gratings	3	5	15	1½	1½	33¾
Total Deduction						304½
Remaining brick work in Chunam cubic feet						2334¼
being equal to cubic yards						82⅜
Flat arch work as per details given above cft.						100⅞
being equal to cubic yards						3⅞

Plastering:—

Inside:—

Male ward	1	64	64	"	12¾	816
Female do	1	42	42	"	12	504
Police Station	1	113	113	"	8	904
Gables	1	11	11	"	8	112
	2	10	20	"	1½	90
Pillars	2	6	12	"	16	192

Outside:—						
Front & rear walls	2	35½	71	"	8	1136
Ends	1	37	37	"	8	296
			Sqrs feet			2082

Deductions:—

Doors	2	2½	5	"	5½	27½
Windows	5	3½	17½	"	1½	78¾
Gratings	3	1	12	"	2½	30
			Sqrs feet			136¼
Remaining Plastering with 1 coat of chunam and white washing 2 coats. Sqrs feet						2945¾

Flooring:—

Male ward	1	21½	21½	9½	"	204¾
Female ward	1	10½	10½	9½	"	99¾
Station	1	33½	33½	1½	"	1069
Flooring with brick jelly in chunam & Coating with 2 coats sqrs feet						773

Whitewashing:—

Verandahs	1	34	34	"	8	272
End walls of do	2	7	14	"	6½	91
	1	14	14	"	6	96
Pillars	2	8½	17	"	7	119
Ends outside	2	37	37	"	8	592
Whitewashing with 2 coats of chunam Sqrs feet						578

Roofing:—

Main roof	1	40	40	46	"	1840
Roofing with old wood ½ new Flamurah rafters rafters, new nails ¼ new flat and Pan tiles and chunam borders do complete Sqrs ft						1840

District Engineer's Office
Gawler Institution
24th February 1878.

L. W. Randall
District Engineer Tumerella

No 4 [illegible] 1872. 1/2

Queenscliffe District

Queenscliffe Ealing

Detailed Estimate for [illegible]
repairing Police Station
house at Queenscliffe

Rupees 600

Abstract Estimate No 4 of

Queenscliffe District Queenscliffe Ealing 1872

Police.—Repairing the Police Station House at Meerapaurand.

Description of works.	Rate	Amount	Total.
2277 Sqrs ft. Removing old Roof and stacking the tiles neatly the convenient spot within the compound. per Sqrs —	- 12 -	17 1 3	
357 — " — Do —	- 8 -	1 12 7	
72 Sqrs Removing old work — at	- 8 -	36 - -	
82¾ — " — Brick work in chunam — at	4 - -	331 - -	
3 19/27 — " — Flat arch work in chunam at	5 - -	18 8 3	
294 27/4 Sqrs ft. Plastering with 1 coat of chunam & colour wash 2 coats per Sqr.	2 - -	68 14 7	
773 — " — Flooring 6" concrete and plastering with 2 coats of chunam per square.	6 - -	46 6 -	
578 — " — White washing with 2 coats of chunam per square.	- 3 -	1 11 6	
1814c. — " — Roofing with old wood &c new Pdmerah rafters, reeper new battens, 2 new flat tiles & 1 new ridge tile & chunam borders 82 complete per Square	12 8 -	220 - -	
2 Doors Repairing Complete — at	2 - -	4 - -	
5 Windows. Repairing Complete — at	3 - -	15 - -	
3 New gratings with iron bars without Shutters — at	12 - -	36 - -	796 4 1
Excavating foundation and Sundries			63 11 11
		Summa Rupees	860 - -

Brought forward	850	- -
Contingent Establishment	50	- -
	Rupees	
Total Estimate Rupees	900	- -

I do hereby certify that the above Estimate for Improving the Police Station House at Nanappanaud amounting to Rupees 900 - - - Nine Hundred only) is correct & for every thing necessary & that no Supplementary work will afterwards be required.

District Engineer's Office
Camp at Pattiseeme
South Travancore
24th February 1873.

L. R. Rendall
District Engineer Tinnevelly

Chief Office of the Inspector General of Police
Madras 3d April 1873

W. Drew Major
Ag. Inspector General of Police

No. 75 District Engr's Office Tinnevelly
Palamcottah 20th September 1875.

From

L. D. P. L. R. Walker

per Tinnevelly

Walker R.E.
D.P.W.

forward
timate of
House, call
ub of the

or to be

Asst

Offg. District Engineer

Brought forward	850
Postal Establishment	50
	1/2 W.R.
Total Estimate Rupees	900

I do hereby certify that the Police Station Rupees 900 are absolutely necessary and cannot be required.

District Engineer
Jaffna
24th February 1875

Enclosure No 2 in a letter from the Offg Dist Engineer Jaffnapatam dated 20th September 1875. No 75.

do

The Chief Engineer
D. P. W.

Chief Office of the Madras

Agt Sec

Detailed & abstract Estimates for improving Moorsaneaid Station House.

Recd 6 Oct 75.

No 75

District Engrs Office Jaffnapatam
Palamcottah 20th September 1875.

From

J. D. Grant Esquire
Offg District Engineer Jaffnapatam

To,

Major General G. W. Walker R.E.
Chief Engineer D.P.W.

Sir,

I have the honor to forward the sanctioned Plan and Estimate of the Moorsaneaid Station House called for in your Memo No 501 of the 13th Instant.

I have the honor to be
Sir
your most obdt servt

J. D. Grant
Offg District Engineer

Ex 27-Sept/75 to 7-10-75.

P. W: 1875 Deptt.

No: 6188

From

The Offg Dist Engr

Dorangadi Division

Dated 20th September 1875.

Received 27th September 1875.

No. 75.

Ryplo = 2.

T.C. 2858. 6-10-75.

Forwards the same stamped Plan & Estimate of the Moraspanad Station House called for in Memo No 506 of the 15th instant.

Copy

Cir-1-10-75 Bld 6-10-75

Despd to Dork 27-9-75

Dorangadi Division

Dated 20th September 1875.

Received 27th September 1875.

No. 75.

To

The Offg Dist Engr

Sirsi

Sir,

I have the honor to submit herewith the Plan & Estimate of the Moraspanad Station House called for in your Memo No 506 of the 15th instant.

I have the honor to be Sir Your most obedient servant

Sd/- [illegible]

Asst Engr

No 28 58

Dharwar Public Works Department

Dorangadi Division

Dated date the 6th October 1875.

Received the 10th October 1875.

From

The Offg Dist Engr } No. 6188 dated 15th Sept 1875

Sirsi

To

Sir,

I have the honor to acknowledge the receipt of your letter No 75 dated 20th Sept 1875 forwarding the Plan & Estimate of the Moraspanad Station House called for in your Memo No 506 of the 15th ultimo.

I have the honor to be Sir Your most obedient servant

Sd/- [illegible]

Asst Engr

Copy

5667
6180

Govt. of Madras.

PUBLIC WORKS.

To

Dr. Supt.
Tuticorin.

Dated

Entered

Read

Fwd

G. O. Retd No.

No. 71-72

Police Station-house at Srivaikundam, Tinnevelly Dist.
Letters of the Supt. & Asst. Engr. reporting on the ——, recorded with remarks.