M.R.O. 1—10,006—28-2-50.

(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. / B.P. No.	2579	Press / Misc.
Dated	12 - 9 - 1874	—195—.

Not to be folded or roughly handled

No. 265. Read the following letter from Major J. BEATTY, R.E., District Engineer, Godavery, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Dowlaishweram, 8th August 1874, No. 1,470:—

I HAVE the honor to submit herewith revised estimates for the subsidiary buildings to be erected for the new Cutcherries lately completed at Rajahmundry and Prattipad. The only out-buildings as yet erected are the ryots' sheds.

2 Tracings.
2 Estimates.
* 2 Specifications.
* 2 Site Plans.
—
8
—

* Despatched in a separate cover.

2. The present estimates provide for—

1. Jail latrine,
2. Public latrine,
3. Cook-room,
4. Well, and
5. Compound fence, consisting of an aloe hedge with a gate in it. I have provided for only 20 feet of the standard pattern compound wall on either side of the gate and for completing the enclosure with an aloe hedge.

3. The total cost of the additional buildings proposed for Rajahmundry, which are all in accordance with the latest standard plans, is Rupees 3,160, and these may be sanctioned for immediate construction from the Provincial Budget allotment of Rupees 3,500.

4. The Prattipad buildings are estimated to cost Rupees 2,300. Here it was decided, in communication with the Collector, that latrines of a smaller size than at Rajahmundry will be sufficient; the compound is also smaller. No provision of funds was made for these works in the Provincial Budget.

5. At both these Cutcherries I have proposed to sink the wells on the English system, by which a considerable saving is effected, and the work is carried on with much less risk of accident to the workmen.

6. I have only further to report, with reference to G. O., No. 1,996, of 24th ultimo, that I believe my predecessor intended the wire fence to form the permanent enclosure. I have proposed an aloe hedge. Should Government prefer a compound wall of the standard pattern all round the compound this would add to the present estimates Rupees 3,840 at Rajahmundry, and Rupees 1,000 at Prattipad. In that case the total amount requiring sanction at Rajahmundry would be Rupees 7,000, and at Prattipad Rupees 3,300.

No. 266. ORDER THEREON, 12th September 1874, No. 2,599.

CIVIL WORKS, No. 22.

THE estimates now submitted, for constructing the out-buildings of the Rajahmundry Cutcherry, on the latest standard plans, at a cost of Rupees 3,160 are sanctioned for execution from the current year's allotment of Rupees 3,500. The main building and ryot's shed for

which estimates, amounting to Rupees 17,841, were sanctioned in G. O., No. 1,996, of 24th July, are understood to have been completed for a sum of Rupees 17,179.

2. Of the Prattipad buildings it is remarked that estimates, amounting to Rupees 12,300 (including out-buildings), were originally sanctioned in September 1869, but were not apparently proceeded with. Estimates on revised designs were called for in G. O., No. 2,077, of 30th August 1872, and again in No. 2,801, of 28th November 1872; funds for commencing the work in anticipation being allotted in the former order. An estimate of Rupees 4,330 for a third class Cutcherry, Subsidiary Jail (and apparently a ryot's shed) was passed in G. O., No. 214, of 22nd January 1873. Twelve months later, as remarked in paragraph 4 of G. O, No. 162-A, of 24th January 1874, estimates for the remaining out-houses had not been sent in, so that the year's allotment made in anticipation could not be fully availed of. Part of the blame for this delay is in paragraph 3 of the District Engineer's letter, recorded with G. O., No. 939, of 11th April 1874, put upon the Revenue Authorities. Whatever be the causes, His Excellency the Governor in Council calls attention to the effects of such unreasonable delays, viz, that no provision could be made in the Budget of the current year for execution of the works for which estimates of Rupees 2,300 have at last been submitted, and are now sanctioned. He trusts that better arrangements will prevail for the future. The buildings provided for in the estimate of Rs. 4,330 are understood to have been completed for a sum of Rupees 4,245.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Godavery.
" Officiating Controller of Public Works Accounts.
" Revenue Department.
" Judicial do.

Exd. T. O'Connor.
Spare Copies

Specification of a well to be sunk in the compound of the Taluq Cutchery at Rajahmundry

1. The shaft is first sunk of 8 feet diameter, so as to leave a space of three inches all round, between the sides of the excavation and the steining, and to 4' deep or such a depth as the earth continues to stand safely. When it becomes no longer prudent to proceed, the bottom of the excavation is levelled, the brickwork commenced and carried up to the surface.

As the brickwork proceeds, all vacuities behind should be rammed hard with Concrete.

2. The excavation is then resumed in the centre of the shaft, and carried as deep as may be consistent with safety [4' deemed best] leaving a benching of earth to carry the brickwork: [see sketch]. When the brickwork is dry, this benching is to be cut away, and the excavation completed to the full diameter.

The bottom having been levelled, the brickwork is to be carried on as in the upper portion, only 2 feet to be in chunam, and two feet in

in clay and all vacuities filled in with concrete or puddled.

3. So that the staining will be a series of rings 2 feet deep, alternately of brick in chunam and brick in mud; the brick in chunam having a concrete backing; and the brick in clay, ones of clay puddle.

The bricks are to be laid all headers, and the staining constructed truly cylindrical and perpendicular.

4. Soil may be met with so soft as to render it necessary to build the brickwork on a curb. This curb should be made of durable timber and formed in several segments joined with half lap joints, secured with a plate on each side, and four bolts passing through the whole. Upon this curb the brickwork is carried up.

5. It may also be necessary when sinking through sand to use curbs for each section in depth of the excavation; and in such cases the benchings of earth carrying the curb [as shewn in sketch No. 1] should not be removed except a narrow portion

which

which is to be cut away as far back as the brickwork and a prop inserted raking to the front of the intended brickwork and abutting against a foot block as shewn in sketch No. 2; another prop is to be inserted in a similar manner and so on until the whole curb and brickwork is thus supported. 3x

6. If considered preferable, the curbs may be suspended from the surface by chains in the manner shewn in Fig. 3 Fig. 3 is a section of the shafts and fig 4 a plan at the surface of the ground; two beams of timber are placed parallel to each other across the shaft and two other pieces are similarly placed across and at right angles to them forming a square opening [see fig 4] to admit the traffic up and down the shaft. Each of the beams should be well bedded on the ground so as to give a good bearing; the lower end of each chain passes also through a beam, two of which

carry

District Engr's Office, Godavery
No. 1470 Dowlaishweram, 8th Augt. 1874

From,

Major S. Beatty R.E.
District Engineer Godavery

To,

Colonel G. W. Walker R.E.
Secretary to Government G.P.W.

Sir,

Have the honor to submit
herewith Revised Estimates for the
subsidiary buildings to be erected for
the new Cutcherries lately completed
at Rajahmundry and Ruttipad-
The only out buildings as yet erected
are the wyzee sheds.

2. The present estimate, provides for

1. Said Latrines;
2. Ruttie Latrines;
3. Cook Room;
4. Well; and
5. Compound fence, consisting
of ornamental hedge, with a Gate in it
Shave provided for only 20 feet of the
standard

Enclosure in a letter
No. 1470 dated 8th Augt.
1874 from the Dist. Engr.
Godavery to the Se-
-cretary to Govt. G.P.W.

P.G. 912 Sept. 1/74
In B No. 265

Specification to
accompany the
estimate of subsi-
-diary buildings
for the Taluq Cutcher-
-ries at Rajahmundry
and Ruttipad-

No. 5074/74.
Godavery

standard pattern compound wall on either side of the Gate and for completing the enclosure with an aloe hedge.

3. The total cost of the additional buildings proposed for Rajahmundry, which are all in accordance with the latest standard Plans, is Rs. 3,160, and these may be sanctioned for immediate construction from the Provincial Budget allotment of Rs. 3,500-

4. The Prattipad buildings are estimated to cost Rs. 2,300. Here it was decided, in communication with the Collector, that Latrines of a smaller size than at Rajahmundry will be sufficient; the compound is also smaller. No provision of funds was made for these works in the Provincial Budget.

5. At both these Cutcherries I have proposed to sink the wells on the English system; by which a considerable saving is effected, and the work is carried on with much less risk of accident to the workmen.

6. I have only further to report with reference to G. O. No. 1996 of 24th Ultimo, that I believe my predecessor intended the wire fence to form the permanent enclosure. I have proposed an aloe hedge. Should Government prefer a compound wall of the standard pattern all round the compound this would add to the present estimates Rs. 3840 at Rajahmundry, and Rs. 1,000 at Prattipad. In that case the total amount requiring sanction at Rajahmundry would be Rs. 7,000, and at Prattipad Rupees 3,300-

I have the honor to be,
Sir,
Your Most obedient Servt
C. Beatty. Major R.E.
District Engineer Godavery.

Estimate of the probable cost of sinking a well 36 feet deep, 6' inner diameter, on the English System, in the compound of the Salary Cutchery at Rajahmundry, Godavery District.

Nature of Soil, Alluvial.

Number of Sections	Depth of each Section	Quantity of Work	Description of Work	Rate	Amount	Total
			Excavation			
1st	4 ft	7½	Earthwork per Cyd	16	11 3	
2nd	4 ft	7½	Do. Do.	23	1 10½	
3rd	4 ft	7½	Do. Do.	33	1 8½	
4th	4 ft	7½	Do. Do.	39	1 12½	
5th	4 ft	7½	Do. Do.	43	1 15 10½	
6th	4 ft	7½	Do. Do.	49	2 3½	
7th	4 ft	7½	Do. Do.	53	2 7 4½	
8th	4 ft	7½	Do. Do.	59	2 11 1½	
9th	4 ft	7½	Do. Do.	63	2 11 10½	14 5 6
			Steining			
1st	4 ft	2-9½	Cyd. Brickwork in	5 13	13 10 8⅔	
2nd	2 ft	1-4¾	Do. Do.	5 15	6 15 8⅝	
3rd	2 ft	1-1¾	Do. Do.	6 1	4 2 5⅞	
4th	2 ft	1-1¾	Do. Do.	6 3	4 4 5	
			Carried over		35 11 14 5 6	

Rs. As. P.

Estimate for sinking a well 36 feet deep, 6' inner diameter, on the English System, in the compound of the Salary Cutchery at Rajahmundry, Godavery District.

Sanction of Superintending Engineer's Office, Madras, No. 1874, dated 8th July 1874.

Sanction of Collector's Proc. No. 1324, dated 13th July 1874.

Rs. As. P. 2899-12-5 ¾

Estimate for sinking a well 36 feet deep, 6' inner diameter, on the English System, in the compound of the Salary Cutcherries of Rajahmundry and Ramachandrapuram, Godavery District.

Rs. 2899

Copy

	Brought over	270
	Curbs and Suspending rods in case a loose shifting Stratum be met with	50
	Total Rupees	320

Distt Engrs Office
Dowlaishwaram
August 1874

Exd
B.V.V.

L. Beatty Major R.E.
District Engineer Godavery

By Dist Engr
Dowlaishwaram

MM 5074/74

DEPARTMENT NEW WORK.

Abstract Estimate No. 107

TALUQ Ruddapur

DISTRICT Godavery.

WORK, Constructing out Buildings for the Taluq Cutcherry at Druttepaud as per Revised Standard Plan Circulated with Lr. D. No. 1014 dated 20th April 1874.

Quantity or number.	Description of Work.	Rate.	Per Item.	Amount.	Total.
	Carried over				
9	Cyds Concrete	3 0	Cyd.	27 0	
33	Do Brick in chunam	4 0	Do	132 0	
9	Cft. Teakwood wrought & put up	3 0	Cft.	27 0	
4 3/4	Sq.rs Roofing with palmira rafters, reepers flat & pan tiles, chunam borders &ca complete	25 0	Sq.r	118 12 0	
11 1/3	Do Plastering with 2 Coats of chunam	2 2 0	Do	31 2 8	
2 1/5	Do Flooring with square tiles	6 0	Do	13 3 2	
2 4/7	Cyds Excavating foundations	1 6	Cyd.	2 8 6	
5 1/3	Do Filling in basement	2 0	Do	10 8	
	Contingencies at 7 8 per Cent			352 5 0 27 11 0	380 0 0
	Carried over				

		Brought over						380--
		Quarters Section						
16 1/3	Cyds	Concrete	3	0	Cyd	49	0	
34 5/9	Ds	Brick in chunam	4	0	D	138	2	6
6 1/5	Sqrs	Honey Comb tile work	4	4	Sqr	26	5	7
25-3-4	Cft	Teak wood wrought & put up	3	0	Cft	7	5	13 4
8-4/1	Sqrs	Roofing with palmira rafters. reepers. flat & Pan tiles. Chunam borders & c complete	25	0	Sqr	214	12	0
13	Sqrs	Plastering with 2 Coats of Chunam	2	12	D	35	12	0
4-14	D	Flooring with Asphalt	18	0	D	74	8	4
2		Trap doors for cistern	12	0	Each	24	0	0
4		Zinc Buckets	10	0	D	40	0	0
103	Cyds	Earthwork for excavating foundations & filling in	0	16	Cyd	9	10	6
						691	0	3
		Contingencies at	4	8	Percent	48	15	9
								740--
		Quarters Section						
15 1/4	Cyds	Concrete	3	0	Cyd	45	12	0
36 5/9	D	Brick in chunam	4	0	D	146	3	6
5 1/4	Sqrs	Honey comb tile work	4	4	Sqr	22	5	0

		Brought over				214	4	6 1120--
23	Cft	Teak wood wrought & put up	3	0	Sqr	69	0	
4-56/100	Sqrs	Roofing with palmira rafters. reepers. flat and Pan tiles. Chunam borders & c complete	25	0	D	189	0	
13	D	Plastering with 2 coats of chunam	2	12		35	12	0
3 1/2	D	Flooring with asphalt	18	0	D	63	0	
1		Trap door for cistern	12	0	Each	12	0	
2		Zinc Buckets	10	0	D	20	0	
45	Cyds	Earthwork for excavating foundations	0	16	Cyd	4	3	6
						607	4	
		Contingencies at	7	8	Cent	52	12	660--
1		Sinking a well 36 feet deep and 6 feet inner diameter, similar to the one proposed for Rajahmundry Cutchery						320--
1	Cyds	Concrete	3	0	Cyd	3	0	
3 1/5	D	Brick in chunam	4	0	D	12	12	9
						15	12	9 2100--
		Carried over						

	Brought over				15 12 9	2,100--
9	Cft. Teak wood wrought & put up including Iron work and painting	3 8	Cft.	31 8		
1	Sqrs. Plastering with 2 Coats of chunam	2 12	Sqr.	2 12		
2 3	Cyds. Earthwork for excavating foundation	" 16	Cyd.	" 46		
				50 53		
	Contingencies at			4 109		55--
	For a length of 20 feet on either side of Gate					
6	Cyds. Concrete	3	Cyd.	18		
12 1/2	Ds. Brick in chunam	4	Ds.	50		
4 1/2	Sqrs. Plastering with 2 Coats of chunam	2 12	Sqr.	12 6		
18	Cyds. Earthworks for excavating foundations	" 16	Cyd.	1 11		
160	Rds. Enclosing the compound with aloe hedge and trench inside and watering the aloes 3 months	" 56		55		
				137 1		
	Contingencies at			7 15		145=
						2300--

	Brought over	12Y	2,300--
	Total Rupees		2300--

I do hereby certify that the accompanying Estimate provides for every thing necessary and that no supplementary works will hereafter be required.

Distt. Engrs. Office
Dowlaishwaram
8th August 1874

Exd
B.V.V.

C. Beatty Major R.E.
District Engineer Gody. Dist.

Public Works Dept.

Proceedings of the Madras Government

Read the following

From The Sh Engineer for G.S. Lawley (No 1470 dated 8th Augt 1874)

2599 137

The estimates now submitted for constructing the out-buildings of the Rajahmundry Lunatic Asylum, on the latest Standard Plans, at a cost of Rs 3,160 are sanctioned for execution from the current year's allotment of Rs 3,500 - The main Buildings and Pyotah shed for which estimates

Rly.

Estimate for outbuildings to Rajahmundry Lunatic Asylum

Amounting to

Rs 2,300

P.S. 912 Sept 1874

Ln 13 No 265.

Rs 2926/74.

2/11/74.

amounting to Rs 1/.6d.1
were sanctioned in
G. O. No. 1996 of 24th July,
are understood to have
been completed for a
sum of Rs 1/.1/9-

Of the Prattipaud
Buildings it is re-
-marked that estimates
amounting to Rs 12,300
(including outbuildings)
were originally sanc-
-tioned in September
1869; but were not
apparently proceeded
with. Estimates on
revised designs were
called for in G. O. No. 2077
of 30th August 1872, and
again in No. 2801 of
28th

28th November 1872;
funds for commencing
the work, in anticipa-
-tion being allotted
in the former order-
-an Estimate of Rs 4,330
for a 3d Class Kutcherry,
Subsidiary Jail (and
apparently a Ryots'
Shed) was passed in
G. O. No. 214 of 22nd Ja-
-nuary 1873 - & twelve
months later as re-
-marked in para 4
of G. O. No. 162 A of 24th
January 1874, Esti-
-mates for the remain-
-ing Outhouses had
not been sent in,
so that the general
allotment

allotment made in anticipation could not be fully availed of. Part of the blame for this delay is in para 3 of the District Engineers letter recorded with Sd No 937 of 11th April 1874, put upon the Revenue Authorities. Whatever be the causes, His Excellency the Governor in Council calls attention to the effects of such unavoidable delays viz, that no provision could be made in the Budget of the current year for execution of the works for which estimates of Rs 2,300 have at last been submitted, and are now sanctioned. He trusts that better arrangements will prevail for the future. The Buildings provided for in the estimate of Rs 4,330 are understood to have been completed for a sum of Rs 4,245.

Genl.

63/1
6

D. Godamy ✓
Cantt. P. W. Secy. ✓ with Ab. Estimate ✓
D. Rly Depot ✓ & Copies dispt to both 21/9/74.
Jail Office ✓ 1-9-74.
& Copies dispt 18/9/74.

5074

Govt. of 1874 Madras.

PUBLIC WORKS.

To

The Dy Engr
Godavery

Dated

Rcd. Encl. 8

G. O. 12 Depr. 74. No. 2555

Nos. 265-266.

Rajahmundry and Pattipad Taluq Cutcherries - Godavery

Estimates for constructing the out-buildings of the Cutcherries sanctioned with remarks ——