M.R.O. 1—77,008—8-8-37.

(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. 386 (W) Press ~~Mis.~~

Dated 2-2- 1877.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
2nd February 1877. *No.* 366.

No. 102. Read again the following papers :—

Proceedings of Government in the Revenue Department, dated 10th December 1875, No. 1,385.

From the District Engineer, Nellore, dated 25th June 1875, No. 31.
Do. do. do. 30th October ,, ,, 62.
Do. do. do. 29th August 1876, ,, 89.
Memorandum from the Chief Engineer, do. 21st September 1876, ,, 1,002.

Read the following :—

From J. O'SHAUGHNESSY, Esq., District Engineer, Nellore, to Colonel W. T. F. FAREWELL, Deputy Chief Engineer, Public Works Department, dated Nellore, 7th November 1876, No. 138.

IN re-submitting the plan and estimate for the 2nd-class Cutcherry proposed to be built at Kotah, I have the honor to explain, in reference to your memorandum No. 1,002, dated the 21st September 1876.

One Detailed Estimate.
,, Abstract Estimate.
,, Specification.
,, Plan.
,, Site Plan.

2. *Main building.*—The excess of 875½ cubic feet of brick-work, as compared with the standard quantities, was owing to increased thickness and depth in foundations and retaining wall proposed by the Range Officer, and approved by the late District Engineer. On looking into the matter more closely, the increased dimensions do not appear necessary and the quantity is now reduced to that of the standard design. The excess of 43¾ cubic feet of laterite is also struck out for similar reasons.

3. *Ryots' Shed.*—Excess in Masonry ... ... 54 cubic feet.
,, in earthwork filling ... ... 121 ,,
Pointing ... ... 1¼ squares.
Teakwood ... ... 74 cubic feet.

The excess in the first three items is caused by an increased height of 3 inches in the foundation and basement which is considered necessary to suit the site. The excess in the fourth item is caused by the substitution of a trussed for a couple roof: there is a slight saving by the omission of couples, but the increase in the whole roof due to trusses is Rupees 200. I would strongly urge the adoption of the truss roof in preference to the couple roof, and I request it may be sanctioned.

4. *Latrine (Establishment).*—The excess of 121½ cubic feet in masonry is owing to the screen and partition walls being calculated at 9 inches instead of 6 inches thickness allowed in the standard design: the increased thickness appears necessary, and as the difference is small it may be passed.

5. *Latrine (Jail).*—The excess of 81 cubic feet is due to the same cause as the excess in Latrine Establishment.

6. The few errors in calculations have been corrected.

7. The difference pointed out in paragraph 4 of your memorandum is explained in paragraph 3 above.

Proceedings of the Madras Government, Public Works Department,
2nd February **1877.** *No.* **366.**

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8. The plans and estimates are now countersigned by the Collector.

9. All the arrangements connected with the site have been made by the Collector's department. The amount of compensation has been fixed by the same department with the Collector's approval.

10. The site is objected to by this department, but the Collector appears to adhere to it in spite of these objections. These are,—that there is no occasion to build in the middle of the village; that the promises made by the owners of the houses to give them up for certain amounts of compensation are not binding and cannot be relied upon, and that a favorable site on waste land is available at a distance of about a quarter of a mile from the village.

11. The difference between the estimated and the district schedule rates are explained in the case of—

Brick-work, that the soil in the neighbourhood of the building is bad, and bricks will have to be made at a considerable distance from the work; and that firewood for brick burning is exceptionally scarce and expensive in the neighbourhood.

Teakwood—the excess of 6 Pies a foot is very small, and rates vary.

Batten doors have to be made at Nellore and carried 40 miles to the work. The price of teakwood is also rising.

No. 103. ORDER THEREON, 2nd February 1877, No. 366.

CIVIL WORKS, No. 8.

(a) *Heads of Service.*—Provincial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Civil Buildings.
Sub-head.—B, Revenue Department.
Section.—II, Taluq Cutcherries.
Name of Work.—Constructing a 2nd-class Cutcherry at Kotah.
Amount.—Rupees 14,750.
To be carried out by the Public Works Department.

His Grace the Governor *in* Council sanctions the estimate of Rupees 14,750 for constructing a 2nd-class Cutcherry and out-buildings on the standard plan at Kotah in the Nellore district.

2. There are at present no funds available for the work.

3. This sanction is registered as Provincial No. 230—W. of 1876-77.

(True Extract.)

Colonel,
Acting Joint Secretary to Government.

To the District Engineer, Nellore.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. S. T. Austin.
Spare Copies

D. P. W. Nellore — Southern Division
Taluq Gudur — Village Kotah 3
Provincial — Original Works
Civil Buildings — Imperial Service
II Taluq Cutcherries
B Revenue Department

Detailed Estimate No. of 1876-77.
Work — Constructing a 2nd class Taluq Cutcherry and Out houses at Kotah.

Particulars	Number	Measurements in feet			Contents
		Length	Breadth	Height	
Excavation for Foundations					
Court room walls	1	88-0	5-0	4-0	1760-0
Police record & Clerk's room front and rear walls	2	45-3	5-0	4-0	1810-0
Do do partitions	2	12-6	4-7½	4-0	463-0
Jail outer walls	1	138-9	5-0	4-0	2775-0
Do partitions	3	11-6	4-7½	4-0	638-0
Verandah walls	1	211-9	3-9	4-0	3176-0
Retiring room Walls	2	2-6	3-9	4-0	75-0
Steps	2	10-0	3-0	2-0	120-0
Do	2	8-6	3-0	2-0	102-0

Total Cubic feet of Excavation 10919
or Cubic yards of do 404

Concrete.

Court room Walls	1	88-0	5-0	1-0	440-0
Police, record and Clerk's room front and rear walls	2	45-3	5-0	1-0	452-6
Do — do — partitions	2	12-6	4-7½	1-0	115-7½
Jail outer Walls	1	138-9	5-0	1-0	693.9
Jail partition walls	3	11-6	4-7½	1-0	159-7½
Verandah walls	1	211-9	3-9	1-0	794-0
Retaining room walls	2	2-6	3-9	1-0	18-9
Steps	2	10-0	3-0	0-6	30-0
Do	2	8-6	3-0	0-6	25-6
				Total Cft of Concrete	2729-9
				or Cyds of do	101

Brick work in foundations & basement.

Footings Court room Walls	1	88-0	2-10	1-6	374-0
Police, record & Clerk's room front and rear walls	2	47-5	2-10	1-6	403-0
Do — Do — partitions	2	14-8	2-5½	1-6	108-0
Jail outer Walls	1	138-9	2-10	1-6	590-0
Do — partitions	3	13-8	2-5½	1-6	151-0
Verandah walls	1	213-11	1-9	1-6	562-0
Retaining room walls	2	4-7	1-9	1-6	24-0

Above footings & floor level

Court room walls	1	88-0	1-6	3-0	396-0
Police, record & clerk's room front and rear walls	2	48-9	1-6	3-0	439-1
Do — do — partitions	2	16-0	1-1½	3-0	108-1
Jail outer Walls	1	138-9	1-6	3-0	624
Jail — partitions	3	15-0	1-1½	3-0	152-0
Verandah walls	1	215-3	0-9	3-0	484-0
Retiring room walls	2	5-9	0-9	3-0	26-0
Steps	2	10-0	3-0	1-6	90-0
Do	2	8-6	3-0	1-6	77-0
Do	2	8-0	2-0	1-0	32-0
Do	2	7-6	2-0	1-0	30-0
Extra thickness for plinth in jail	1	97-0	0-3	3-0	73-0

Superstructure

Court room walls	1	88-0	1-6	12-0	1584-0
Do — gables	2	19-0	1-6	3-6	200-0
Police, record & clerk's room front and rear walls	2	38-9	1-6	12-0	1395-0
Do — partitions	2	16-0	1-1½	12-0	432-0
Do — gables	2	19-0	1-6	3-6	200-0
Do — Do	2	19-0	1-1½	3-6	150-0
Jail outer walls	1	138-9	1-6	12-4	2567-0
Do Partitions	3	15-0	1-1½	12-4	624-0
Do Gables	3	18-0	1-1½	3-3	197-0
Retiring room walls	1	32-0	0-6	8-0	128-0
Do ends (triangular portions)	2	6-6	0-6	2-3	15-0
				Total Cubic feet	12235-10½

Deductions

Doors	10	4-0	1-6	4-0	240-0
Do	1	4-0	1-1½	4-0	18
Jail doors	6	4-0	1-6	3-9	135-0
Retiring room door	1	2-6	0-6	3-3	4-0
Do Windows	2	2-0	0-6	2-0	4-0
"Police guard" Windows	2	3-6	1-6	2-6	26-0
Jail Ventilators	6	4-0	1-6	2-6	90-0

Court room Ventilators	2	8-0	1-6	1-6	36-0
Laterite course on plinth }					117-0
(see details for Stone work }					
Do — in Steps (do)					69-0
Total Deductions C feet					739-0
Total C feet of brick in chunam less deductions					11496-0
or Cubic Yards of do					425 7/9

N.B. Half the quantity of void is deducted the other half covering the cost of Centering and arch work.

Laterite Work

course on plinth of retaining wall	1	310-9	0-6	0-9	117-0
Steps	2	6-0	1-0	0-6	6-0
Do	2	4-6	1-0	0-6	7-0
Do	2	25-0	1-3	0-6	31-0
Do	2	20-0	1-3	0-6	25-0
Total Cubic feet of Laterite work					186-0

Filling in Basement

Court room	1	16-0	25-0	1-6	600-
Police, record & clerks rooms	1	46-6	16-0	1-6	1116-
Jail	1	48-0	15-0	1-6	1080
Verandah	1	200-9	5-9	1-6	173
Total Cft of filling in Basement					45
or Cubic Yards of do					1

Teakwood.

Court room.

1 Truss 16' Span — Tie beams	1	19-0	0-5	0-6	3-11-6
— Principal rafters	2	10-3	0-4	0-5	2-10-2
— Struts	2	5-0	0-3	0-4	0-10-0
Purlins	2	31-6	0-6	0-7	18-4-6
Wall purlins	2	31-6	0-4	0-4	7-0-0
Ridge	1	31-6	0-3	0-9	5-10-10½
Verandah Wall plates	2	19-0	0-3	0-3	2-4-6
Common rafters	36	11-0	0-2½	0-4	27-6-0
Do at Ends	8	13-6	0-2½	0-4	7-6-0

Police record, & Clerks' rooms.

Truss 16' Span, — Tie beam	1	19-0	0-5	0-6	3-11-6
— Principal rafters	2	10-3	0-4	0-5	2-10-2
— Struts	2	5-0	0-3	0-4	0-10-0
Purlins	2	61-6	0-6	0-7	35-10-6
Wall purlins	2	39-0	0-4	0-4	8-8-0
Guard room openings	2	14-0	0-5	0-6	5-10-0
Ridge	1	69-0	0-3	0-9	12-11-3
Common rafters	78	11-0	0-2½	0-4	59-7-0
Hip rafters	2	14-0	0-3	0-5	2-11-0
Do	2	13-6	0-3	0-5	2-9-9

Jail

2 Trusses 15' Span. Tie beams.	2	18-0	0-4	0-6	6-0-0
— Principal rafters	4	9-9	0-4	0-4	4-4-0
— Struts	4	4-9	0-3	0-3	1-0-3

Purlins	2	45-6	0-5	0-6	[illegible]
Do	2	8-6	0-5	0-6	3-6-6
Wall purlins	2	55-9	0-4	0-4	12-4-8
Do	2	18-0	0-4	0-4	4-0-0
Ridge	1	36-9	0-3	0-8	6-1-6
Principal hip rafters	4	13-0	0-5	0-6	10-10-0
Wall plates	2	41-0	0-4	0-5	11-4-8
Common rafters	52	14-9	0-2½	0-4	53-3-2
Do	34	10-6	0-2½	0-4	24-9-6
Hip rafters	4	17-0	0-3	0-5	7-1-0
Struts at Eaves	70	3-0	0-2½	0-3	10-11-3
Do at angles	4	3-6	0-3	0-3	0-10-6
Uprights (double)	140	4-0	0-1½	0-3	17-6-0
Verandah.					
Posts	24	0-5	0-5	8-3	34-4-6
Bressummers	1	226-0	0-5	0-6	47-1-0
Small uprights	140	1-0	0-3	0-2½	7-6½
Side pieces	290	1-3	0-2	0-1½	7-6½
Common rafters	143	10-6	0-2½	0-4	104-4
Hip rafters	8	12-0	0-3	0-4	8-0
Eaves board throughout	1	353-0	0-0¾	0-8	9-[illegible]
Barge boards, Court room gables	2	27-0	0-1	0-9	3-4
Total Cubic of Teak wood					[illegible]

Wrought Iron in Trusses.

1" diam. iron King rods for 16 feet trusses	2	7-6=15×2.62			39.30
3/4 do do for 15' trusses	2	7-0=14×1.48			20.72
1" do hex nuts and bolts heads for 16 feet trusses	6	·	·	0.55	3.30
3/4 hex nuts and bolts heads for 15' trusses	6	-	·	0.22	1.32
3"×3"×1/8" Washers for Trusses	12	-	·	0.32	3.84
1½"×3/8" flat iron Straps for 16' trusses	4	2-8	10-8	1.87	39.97
1½"×3/8" flat iron Straps for 15' trusses	4	2-7	10-4	1.87	
1¾"×½" bearing plates for 16' Trusses	4	0-6	2-0	2.92	10.70
1¾"×½" bearing plates for 15' Trusses	4	0-5	1-8	2.92	
½" hex nuts for trusses	16	·	·	0.06	0.96
2"×2"×1/8" Washers for trusses	16	·	·	0.14	2.24
Total lbs of Wrought Iron in Trusses					121.65

Doors and Windows Venetian and panel.

Doors.	11	4-0	·	8-0	352-0
Do	1	2-6	·	6-6	16-3
Carried forward.					368-3

Windows	2	3-6	-	5-0	35-0
do	2	2-0	-	4-0	16-0
Total Sft					419-3
Batten doors for Jail Wards	6	4-0	-	7-6	180-0
Total Sft					180-0
Iron barred shutters for Jail Wards	6	3-6	-	7-0	147-0
Total Sft					147-0
Ventilators with iron bars for Jail Wards	6	4-0	-	2-6	60-0
Total Sft					60-0
Ventilators (fixed Venetian) in gables of Court room	2	8-0	1-6	1-6	36-0
Total Sft					36-0

Painting Doors & Windows and Exposed woodwork of roof

Doors panel portion	2×11	4-0	-	2-8	234-
do do	2×1	2-6	-	2-2	10-1
do Venetian do	3×11	4-0	-	5-4	704-
do do do	3×1	2-6	-	4-4	32-
Windows	3×2	3-6	-	5-0	105-
do	3×2	2-0	-	4-0	48-
Batten doors	2×6	4-0	-	7-6	360-
Iro Shutters	2×6	3-6	-	7-0	294-0
Ventilators with iron bars	2×6	4-0	-	2-6	120-0
Venetian Ventilators	3×2	8-0	-	1-6	72-0
Verandah posts	24	1-8	-	8-0	320-0
Bressummers	1	226-0	-	1-10	414-4
Small uprights	145	1-0	-	0-8½	102-8½
Sole pieces	290	1-3	-	0-5	151-0½
Eaves board	1	353-0	-	0-6	176-6
Barge do	2	27-0	-	0-10	45-0
Struts at Eaves	70	3-0	-	0-11	192-6
do	4	3-6	-	1-0	14-0
Uprights	140	4-0	-	0-7½	350-0
Total Superficial feet of painting					3747-1
or Squares					37.47

Pointing Exterior Walls.

Court room	1	66-6	-	12-0	798-0
Police, record, & Clerks' room	2	38-9	-	12-0	930-0
Jail	1	125-9	-	12-4	1550-11
Plinth all round	1	312-3	-	1-6	468-4½
Retiring room	1	34-6	-	8-0	276-0
do Ends	2	6-6	-	2-3	29-3
Total Superficial feet of pointing					4052-6½
or Squares of do					40.53

Plastering and Washing interior

Court room	1	82-0	-	12-0	9
Police, record & Clerks' room	1	170-0	-	12-0	21
Jail wards	1	21-0	-	12-4	26
Retiring room	1	30-0	-	8-0	24
do	1	6-6	-	12-0	78
do Ends	2	5-9	-	2-3	26
Total superficial feet or					60
Squares of do					60

Tiled roofing with flat and pantiles including reckers, nails &c.

Court room	1	31-0	-	24-0	744
Police, record, & Clerks' room	1	60-0	-	24-0	1440
Jail	1	62-0	-	25-0	155
Verandah	1	207-0	-	9-6	196
Total superficial feet					57
or Squares of do					57

Flooring.

Court room	1	16-0	-	25-0	400
Police, record, & Clerks' room	1	46-6	-	16-0	744
Verandah	1	202-0		5-9	116
Door pieces	10	4-0	-	1-6	60
do	1	4-0	-	1-1½	4
do	2	10-0	-	1-6	30
					24

					2400-0
Door	1	2-6	-	0-6	1-3.
Total superficial feet					2401-3
or Squares of do ✓					24

Flooring with Asphalte.

Jail wards	1	48-0	-	15-0	720-0
Door pieces	6	4-0	-	1-6	36-0
Total superficial feet or					756-0
Squares ✓					7·56.

Laying Lead or Zinc Sheets to the Valleys 18" broad.

Over Court-room	1	53-0	-	-	53-0
Over Jail	2	35-0	-	-	70-0
Total Lineal feet ✓					123-0.

Exterior drain. Lineal feet ✓	224-0
Circular ornaments for Trusses ✓	8
Laterite Stones under Trusses " " " "	8
Strong Iron Cage for Treasury 6×5×4 internal dimensions ✓	1
Scaffolding.	
Contingencies	
Superintendence	
Sundries.	

Constructing Outhouses and Compound Wall with Gate Pillars and Gates as per Revised Standard design

Ryots' Shed.

Excavating foundations, C.Yards					4
Concrete work					
Under foundations all round	1	104-0	4-0	1-0	4
Total C.yards of Concrete work					1
Footings under foundations					
Wall all round 1st Footing	1	104-0	2-6	½	13
do 2nd Footing	1	104-0	2-0	½	10
Basement and part of foundations					
Wall all round	1	104-0	1-6	2-3	35
Basement all round	1	115-0	1-3	1-6	21
Superstructure - Pillars	12	1-6	1-6	8-0	21
Retaining wall between Pillars.	1	56-0	0-10	2-6	116
Total Cft of Brick in Chunam					1130
or C.Yards of do					42
Honey Comb work between Pillars.	1	56-0	·	2-6	140
Total Squares of Honey Comb Work					1
Filling in basement. C.Yards					15
Flooring brick on edge	1	36-0	15-0	·	54
	4	7-6	1-3	·	3
Total Squares of flooring					5

Roofing with Palmyrah couples reepers, rafter and reeper nails flat and pantiles and chunam borders etc complete	1	42-0	26-0	·	1092-0
Total Squares of roofing					11

Wood work

Tie beams	3	17-6	0-3½	0-5	6-4-7
Principal rafters	6	10-6	0-3¼	0-4½	6-4-10
Struts	6	5-0	0-3½	0-3	2-2-3
Caps	3	0-9	0-6	0-9	0-10-1
Plates	6	0-10½	0-10	0-1½	0-6-6
Ridge piece	1	20-0	0-2½	0-6	2-1-0
Purlins	1	69-0	0-5	0-7	16-9-3
Wall do	1	108-0	0-5	0-7	26-3-0
Hip rafters	4	16-6	0-4	0-6	11-0-0
Bressummer including joints	1	112-0	0-5	0-7	27-2-8
Eave board	1	126-0	0-1	0-7	6-0-0
Total C. ft. of Teakwood work					106-0-0

Pointing

Pillars all round	12	6-0	·	8-6	612-0
Retaining wall sides	1	56-0	·	5-0	280-0
Basement all round	1	120-0	·	2-9	330-0
Total Pointing Square feet					1222-0
or Squares of do					12¼

Laterite stones on tops of Pillars					1
Superintendence					
Sundries					
Contingencies					

Cook room

Excavating foundations C yards					27
Concrete work					
Under foundations all round	1	61-0	4-0	1-0	244
Total C yards of Concrete work					9
Footings under foundations					
Wall all round — 1st footing	1	61-0	2-0	1-0	122
Basement and part of foundations all round	1	61-0	1-3	2-0	152
Step	1	16-6	1-0	1-0	16
Superstructure - wall all round	1	61-0	1-3	8-0	610
Gables	2	13-3	1-3	2-6	83
Total C ft					984
Deduct openings	2	4-0	1-3	9-0	90
Total C ft of Brick in chunam					894
or C yards of do.					33
Filling in basement - C yards					$5\frac{1}{3}$
Flooring brick on edge	1	16-0	12-0	·	192-0
Doorways	2	4-0	1-3	·	10-0
Step	1	16-0	1-0	·	16-0
Total Sqr. ft. of flooring					218-0
or Squares of do.					$2\frac{1}{5}$

Roofing	2	$21\frac{1}{4}$	11	·	$467\frac{1}{2}$
Total Squares of roofing					$4\frac{3}{4}$
Wood work					
Wall plate	2	$21\frac{1}{4}$	0-4	0-4	4-8-8
Eave board	2	$21\frac{1}{4}$	0-1	0-7	2-0-9
Do.	2	22	0-1	0-7	2-1-8
Total C feet of Teak wood work					8-11-1 or 9
Plastering interior	1	53-0	9	·	477
Gables	2	12-0	$2\frac{1}{2}$	·	60
Total Square feet of Plastering					537
or Squares of do.					5·4
Pointing					
Exterior	1	58	·	9	522
Gables	2	$14\frac{1}{2}$	·	$2\frac{1}{2}$	73
Total Sqr. feet of Pointing					595
or Squares of do.					6
White washing Squares					5·4
Superintendence					
Sundries					
Contingencies					

Latrine for Establishment

Excavating foundations C yds					53
Concrete work					
under foundations all round	1	102-0	4-0	1-0	408-0
Cistern	2	3-0	4-0	1-0	24-0
Seats	2	14-0	3-0	0-6	42-0
Carried forward					474-0

Brought forward					47
wall of bin for dry earth	1	10-6	2-0	0-6	10
Total C ft of Concrete work					484
or C yards of do.					16
Footings under foundations					
Wall all round — 1st footing	1	102-0	2-6	0-6	127-6
Do — 2nd do	1	102-0	2-0	0-6	102-0
Foundations all round	1	102-0	1-6	1-0	153-0
Cisterns	2	3-0	4-0	0-6	12-0
Do	2	8-6	0-9	2-0	25-6
wall of bin for dry earth	1	13-0	1-1½	1-0	14-7½
Seats	2	13-9	3-0	1-0	82-6
Basement - Outer walls	1	102-0	1-6	0-6	76-6
Superstructure					
Pillars	12	1-6	1-6	8-0	216-0
Seat partitions	2	13-9	0-9	5-6	113-6¾
Do	12	2-0	0-9	5-6	99-0
Seats	10	2-0	2-0	0-6	20-0
wall of bin for dry earth	1	13-6	0-9	4-0	40-6
Total C ft. of Brick in chunam					1082-6
or C. yards of do					40
Honey comb work					
Between pillars	1	80-0	·	8-6	680
Total Squares of Honey comb work with tiles					3 7
wood work					
Bressummer including joints	1	92-0	0-5	0-7	22⅓
Cave board	·	132-0	0-1	0-7	6 5/12
Total C.ft. of Teakwood work					28¾
Roofing	1	45-0	21-0	·	945
Total squares of roofing					9½
Plastering					
Seat partitions	2	14-6	·	11-9	340¾
Carried forward					340¾

Brought forward					340¾
Seat partitions	11	2-0	·	11¾	258½
Wall of bin for dry earth	1	13-0	·	8-0	104
Cisterns	2	2-3	·	2-6	11¼
Do	2	9-8	·	2-6	48⅓
Total Square ft of plastering					763
or Squares of do.					7¾
Pointing					
Pillars all round	12	6-0	·	8-6	612
Basement all round	·	108-0	·	0-6	54
Total Square feet of pointing					666
or Squares of do.					6¾
Whitewashing - Squares					7¾
Flooring	1	39-6	11-6	·	454
Total Sq ft of flooring with 4" of concrete and a coating of asphalte ¾" in thickness					454
or Squares of do.					4½
Laterite Stones on tops of pillars					12
Running feet of zinc flashing					6
Wooden Cover for Cisterns with Buckets complete					2
Superintendence					
Sundries					
Contingencies					

Latrine for Prisoners.

Excavating foundations C. Yards	1				39
Concrete under foundation all round	1	70-0	4-0	1-0	280.
Partition Wall	1	7½	4-0	1-0	30.
Seats	1	16½	3-0	½	24¾
Cistern	1	3	4	1	12
Total C feet of Concrete work					346¾
or C yards of do					13

Footings under foundations

Wall all round 1st footing	1	70-0	2-6	½	87½
do 2d do	1	70-0	2-0	½	70
Partition Wall 1st do	1	9	2-0	½	9
do 2d do	1	9½	1-6	½	7⅛
Foundations all round above do.	1	70	1½	1	105
Partition Wall do	1	10	1⅛	1	11¼
Cistern	1	4	3	½	6
do	1	8½	¾	2	12¾
Basement all round	1	70	1½	½	52½
Superstructure - Pillars	9	1½	1½	8	162
Partition wall	1	10	1⅛	9	101¼
Gable	1	13	1⅛	2	29¼
Seat partition	1	16½	3	1	49½
do	1	16½	¾	5½	68 1/16
do	6	2	¾	5½	49½
Seats	6	2	2	½	12
Total C ft of Brick in chunam					833
or C yards of do					31.
Honey comb work between pillars	1	50½	〃	8½	429¼
Total Squares of Honey Comb work with tiles					4.3.

Woodwork.

Bressummer including joints	1	58-0	0-6	0-7	14-0-0
Eave board	1	100	0-1	0-7	5-0-0
Total C ft of Teakwood work					19-0-0
Roofing	1	29-0	21-0	0	609
Total Squares of Roofing					6.

Plastering

Partition Wall	2	10	〃	9	180.
Gable	2	10	〃	1¾	35
Seat partition	1	16½	〃	11¾	194
do	6	2	〃	11¾	141
Cistern	1	2¼	〃	2½	5⅝
do	1	9⅔	〃	2½	24⅙
Total Sq feet of plastering					580
or squares of do					5.8

Pointing

Pillars	9	6	〃	8½	459
Basement all round	1	76	〃	½	38.
Total Sq feet of pointing					497
or Squares of do.					5

Whitewashing - Squares

Flooring 1 22½ 11½

Total Sq feet of flooring with 4" of Concrete and a coating of Asphalte ¾ in thickness

or Squares of do. 2½

Laterite stones on tops of pillars 9

Running feet of Zinc flashing

Wooden cover for cistern with buckets complete 1

Superintendence

Sundries

Contingencies

Constructing a Masonry Well of 4 feet inside diameter with laterite in chunam including excavating etc. complete

Constructing Compound Wall

Excavating foundations C. Yards.

Concrete - Under footings 2 15-0 4-0 1-0 120-0

Total C yards of Concrete 4½

Brickwork

Footings	2	15-0	2-7½	1-0	78-9
Above do	2	15-0	1-6	2-6	112-6
do do	2	15-0	1-1½	2-0	67-6
do do	2	15-0	0-9	1-3	28-1½
do do	2	15-0	1-6	0-9	33-9

Total Cft of Brick in Chunam 320⅞

or C Yards of do. 12

Pointing 2 15 " 11 330

Total Square feet of pointing 330

or Squares of do. 3½

Teakwood Gate with Masonry Pillars, hinges, bolts etc. complete 1

Hedge for Compound

Superintendence

Sundries

Contingencies

Branch Road to main Building & to outhouses.

Compensation for land

Sd.

P.W.D.
2 SEP 76
No.

Enclosure in a Letter No. 89 dated 29 August 1876 from the District Engineer Nellore to the Deputy Chief Engineer P.W.D. Madras

Taluq Cutchery at Kotah

Detailed Estimate

D.P.W. Nellore | Southern Division

Taluq Gudur | Village Kotah

Provincial | I Original Works.

Civil Buildings | a Imperial service

ii Taluq Cutcherries

B Revenue Department.

Abstract Estimate No. of 1876-77.

Work Constructing a 2nd Class Taluq Cutchery and Out-houses at Kotah

Passed for Rs 14,750 and registered as Provincial No. 230 W. of 1876-77 G.O. No. 366 of 4/1/77 D.P.

Quantity	Items	Rate	Per	Amount	Total
404½	Cyds of Excavation for foundations	0 2 0	Cyd	50 9 0	
101	Do of Concrete	3 6 0	Do	340 14 0	
425 7/9	Do of Brick in Chunam	5 0 0	Do	2128 14 3	
186	Cfeet of Laterite Stone work	0 2 8	Cft	31 0 0	
168	Cyds of Filling in basement including ramming	0 2 0	Cyd	21 0 0	
627	Cfeet of Teakwood work wrought and put up	4 0 0	Cft	2508 0 0	
121.65	lbs of Wrought iron in trusses	0 4 0	lb	30 6 7	
419	Sq feet of Doors and windows 2/3 Venetian and 1/3 panel including frames	1 8 0	Sqft	628 8 0	
	Carried Over Rs			5739 3 10	

	Brought forward Rs		5739 3 0
180	Sq feet of Batten Doors for Jail (including frames)	1 0 0 Sq ft	180 0 0
147	Do of Iron barred doors for Jail without frames	1 8 0 Do	220 8 0
60	Do of Ventilators with iron bars for Jail (including frames)	1 12 0 Do	105 0 0
36	Do of Fixed Venetian Ventilators with frames	1 4 0 Do	45 0 0
37.47	Sqres of Painting with Oak Color three coats	4 0 0 Sq	149 14 1
40.53	Do of Pointing outside	2 8 0 Do	101 5 2
60.92	Do of Plastering inside	3 0 0 Do	182 12 2
60.92	Do of Color washing	0 3 9 Do	14 4 5
57	Do of Roofing with flat and pan tiles, teak reepers, nails and chunam borders etc complete	16 0 0 Do	912 0 0
24.0	Do of Flooring Brick on edge	9 0 0 Do	216 0 0
7.56	Do of Flooring with 4 inches of concrete and a coating of Asphalte $\frac{3}{4}$ inch thick	22 0 0 Do	166 5 1
	Carried Over Rs		8032 4 9

	Brought forward Rs		8,032 4 9
123	Linear feet of laying Zinc gutter to the valleys	2 10 0 L ft	322 14 0
224	Do of Exterior drain	0 5 6 Do	77 0 0
8	Circular Ornaments for trusses	1 4 0 Each	10 0 0
8	Stones under trusses	0 4 6 each	2 4 0
1	Strong Iron Cage for treasury 6×5×4 internal dimensions		150 0 0
	Scaffolding		100 0 0
	Contingencies		220 0 0
	Superintendence		115 0 0
	Sundries		110 9 3
	Total Rupees		9,140 0 0

Ryot's Shed

46	Cyds of Excavating foundations	0 2 0 Cyd	5 12 0	
16 4/9	Cyds of Concrete work	3 6 0 Do	52 2 0	
42	Do of Brick in Chunam	5 0 0 Do	210 0 0	
1½	Squares of Honey Comb work	7 0 0 Sq	10 8 0	
18½	Cyds of filling in basement (including ramming)	0 2 0 Cyd	2 5 0	
	Carried Over Rs		280 11 0	9,140 0 0

	Brought forward Rs		280 11 0	9140 . .
5 3/4	Squares of Flooring Brick on edge	9 . . Sq	51 12 .	
11	Squares of Roofing with Palmyrah Rafters, reepers, rafter and reeper nails, flat and pan tiles and Chunam borders to complete	25 . . Sq	275 . .	
106	C feet of Teak wood work wrought and put up	4 . . Cft	424 . .	
3	Iron king post rods with straps to complete	8 . . Each	24 . .	
12¼	Squares of Pointing	2 8 . Sq	30 10 .	
12	Laterite stones on tops of Pillars	1 . . Each	12 . .	
	Contingencies	. . . .	25 . .	
	Superintendence	. . . .	13 8 .	
	Sundries	. . . .	13 7	
	Total Rupees			1150 . .
	Carried Over Rs		. .	10290 . .

	Brought forward Rs	. .	. . .	10290 . .

Cook Room

27	C yds of Excavating foundations	0 2 0 C yd	3 6 0	
9	C yds of Concrete work	3 6 0 do	30 6 0	
33	C yds of Brick in Chunam	5 . . do	165 . .	
5 1/3	C yds of Filling in basement	0 2 0 do	0 10 8	
2 1/5	Squares of Flooring Brick on edge	9 . . Sq	19 12 10	
4 3/4	Do of Roofing with Palmyra couples, reepers, rafter & reeper nails, flat and pan tiles and Chunam borders to complete	28 8 . do	135 6 .	
9	C feet of Teak wood work including wastage	4 . . Cft	36 . .	
5·4	Squares of Plastering with one coat of Chunam	1 12 . Sq	9 7 2	
	Carried Over Rs		400 . 8	10290 . .

	Brought forward Rs		400 0 8 10290
5.4	Squares of Whitewashing	0 3 9 Sq	1 4 3
6	Do of Pointing	2 8 do	15 0 0
	Contingencies		12 0 0
	Superintendence		6 0 0
	Sundries		5 4 1
	Total Rupees		440 0 0

Latrine for Establishment 10 Seats

53	Cyds of Excavating foundations	0 2 0 Cyd	6 10 0
18	Cyds of Concrete work	3 6 0 do	60 12 0
40	Cyds of Brick in Chunam	5 0 0 do	200 0 0
7	Squares of Honey Comb work	7 0 0 Sq	49 0 0
4½	Do of Flooring with 4" of concrete and a coating of Asphalte ¾ inch thick	22 0 0 do	99 0 0
28¾	Cfeet of Teak wood work including worktops	4 0 0 Cft	115 0 0
9½	Squares of Roofing with Palmyrah couples, reepers,		
	Carried Over Rs		530 6 0 10,7

	Brought forward Rs		530 6 0 10730 0 0
	rafter & reeper nails, Flat and pan tiles and Chunam borders etc complete	28 8 0 Sq	270 12 0
7¾	Squares of Plastering with one Coat of Chunam	1 12 0 do	13 9 0
7¾	Squares of Whitewashing	0 3 9 do	1 13 0
6¾	Do of Pointing	2 8 0 do	16 14 0
12	Laterite stones on tops of Pillars	1 0 0 Each	12 0 0
26	℔s of Zinc flashing	0 4 0 ℔	6 8 0
2	Wooden covers for cisterns with buckets complete	30 0 0 Each	60 0 0
	Contingencies		24 0 0
	Superintendence		14 0 0
	Sundries		10 2 0
	Total Rupees		960 0 0

Latrine for Prisoners 6 Seats

39	Cyds of Excavating foundations	0 2 0 Cyd	4 14 0
13	Cyds of Concrete work	3 6 0 do	43 14 0
	Carried Over Rs		48 12 0 11,690 0 0

	Brought forward Rs	·	48 12 ·	11,690 · ·
31	Cyds of Brick in Chunam	5 · · Cyd	155 · ·	
4·3	Squares of Honey Comb work	7 · · Sq	30 1 7	
19	C. feet of Teak wood work including joints	4 · · Cft	76 · ·	
6	Squares of Roofing with Palmyrah couples, reepers, rafters and reeper laths, flat and pan tiles and Chunam borders etc complete	28 8 · Sq	171 · ·	
5·8	Squares of Plastering with one coat of Chunam	1 12 · Sq	10 2 4	
5·8	Do of Whitewashing	· 3 9 do	1 5 9	
5	Do of Pointing	2 8 · do	12 8 ·	
2½	Do of flooring with 4" of Concrete and a coating of Asphalte 3/4 inch thick	22 · · do	55 · ·	
9	Laterite Stones on tops of Pillars	1 · · Each	9 · ·	
	Carried Over Rs		568 13 8	11,690 · ·

	Brought forward Rs	·	568 13 8	11690 · ·
14	lbs of Zinc flashing	· 4 · lb	3 8 ·	
1	Wooden Cover for cistern with buckets complete	30 · · ·	30 · ·	
	Contingencies	· · · ·	14 · ·	
	Superintendence	· · · ·	7 · ·	
	Sundries	· · · ·	6 10 4	
	Total Rupees			630 · ·
	Constructing a Masonry Well	- - - -		150 · ·
	Compound wall 15 feet on each side of gate pillars			
1½	Cyds of Excavating foundations	· 2 · Cyd	2 · ·	
4½	Cyds of Concrete work	3 6 · do	15 3 ·	
12	Do of Brick in Chunam	5 · · do	60 · ·	
3½	Squares of Pointing	2 8 · Sq	8 12 ·	
1	Teakwood Gate with masonry Pillars hinges & bolts etc complete	· · · ·	100 · ·	
	Carried Over Rs		185 15 ·	12,470 · ·

Brought forward Rs	185 15 0	12,470 ..
Hedge for Compound	150 0 0	
Superintendence and Sundries	14 1 0	
Total Rupees		350 ..
Branch Road		180 ..
Compensation for land and Buildings		1,600 ..
Removal of Walls and Buildings		150 ..
Grand Total Rupees		14,750 ..

District Engineer's
Office
Nellore
29th August 1876.

District Engineer

Collector of
Nellore

J.G.

P.
11/9/76.

P.W.D.
2 SEP 76

Enclosure in a letter No. 89 dated August 1876 from the District Engineer Nellore to the Deputy Chief Engineer D.P.W. Madras

Taluq Cutcherry
at Kotah
Abstract Estimate
Rs 14,800—

D.P.W. Nellore.

Provincial. I Original Works.
Civil Buildings— Imperial Service.
II Taluq Cutcherries
R Revenue Department

Estimate No. of 1876-77.

Work— Taluq Cutcherry, 2nd Class, at Kotah— Gudur Taluq.

Report

Revenue Department.

The Estimate has been called for in G.O. No 1380 dated 10th December 1873.

The building is to be on the Standard plan communicated with G.O. No. 642 dated 13th March 1876, copy of which, is forwarded herewith.

Specification.

Foundations

The foundations will rest on soft loam soil, 4-0" below the surface of the ground. They will consist of 1' Concrete and 3-0" of brick masonry.

The foundations of the Main and Partition walls to be 3-0" in depth and to be built according to the Section with the footings shown on the drawing.

The foundations of these walls will rest on a bed of Concrete 1' in thickness The Concrete to project 9" beyond the first course of Masonry throughout the foundation.

The foundations of the Retiring room and Verandah retaining walls to be 3 feet in depth and the thickness to be as shown on the drawing. They will rest on a bed of Concrete 1' in thickness.

Concrete. The Concrete to be composed of 5 parts of broken Stone jelly, 1 part of Coarse sand and 1 part of well burnt Kunker Lime. it will be laid in 2 courses, the first course to be well watered and beaten, and allowed 2 days to set before the 2d course is put on. The 2d Course will be put down and treated in the same manner as the 1st and will be allowed 2 days to set before the brick work is commenced.

Masonry. The Masonry to be of well burnt table moulded bricks laid in Chunam and of the dimensions shown on the plan.

The Chunam is to consist of 2 parts of screened river sand and 1 part of clean well burnt and well slaked Kunker lime.

Basement. The Basement under Main and Partition walls to be 1'-6" in height and 1'-6" and 1'-1½" in thickness respectively as shown on the plan.

The basement of the Retiring room and Verandah retaining walls to be 1'-6" in height and 9" in thickness. The Masonry to be of the same description as the foundations.

Superstructure The Main walls above, of the rooms for the Deputy Tahsildar and his

Establishment, to be 1-6" in breadth and 12' in height.

The partition walls of these rooms to be 1-1½" in breadth and 12' in height.

The main walls above, of the jail wards to be 1-6" thick and 12-4" high.

The partition walls of these wards to be 1-1½" thick and 12-4" high. The masonry to be of the same description as the basement and foundations.

The courses to be perfectly horizontal and the joints are not to exceed ¼" in thickness

Archwork. The heads of all openings to be flat arches 18" thick. The bricks will radiate to a centre midway between the top and bottom of each opening.

Roof The roof to be of Teakwood Trusses throughout with rafters, purlins &c. and iron work according to the Standard design.

The framework of the roof to be covered with flat and pan tiles and Chunam borders in the usual manner.

Doors. The building will be provided with 4 Teakwood doors 4×8, ⅓ panel, and ⅔rd Venetian, as detailed in the Estimate.

The jail wards will have 6 doors 4×7½ as shown on the Standard plan of details for "First Class Taluq Cutcherries, dated April 1872."

Windows The Police guard room will have 2 Venetian windows 3½×5 as shown on the Plan.

Ventilators The jail wards will have 6 iron grated Ventilators 4×2½, the principal frames to be 4" square and fastened up to the Pole plate. The Court room will have 2 fixed Venetian Ventilators in its gables as shown on the plan.

Painting All doors and windows and the exposed portion of the wood work of roof will be painted with 3 coats of Carson's oak color paint.

The flooring to be of brick on edge in hydraulic mortar over 3" of well tamped concrete. The floors of the Jail Wards to consist of a coat of Asphalte, 3/4" thick over 4" of Concrete. — Flooring.

The building to be plastered inside with 2 Coats of chunam and washed with 1 Coat of Color wash. — Plastering.

The sides and top of door and Window Ways to be whitewashed and to be surrounded by a band of white 9" deep – on the faces of the Walls inside and out as shown on the plan.

The building is to be pointed neatly outside. — Pointing

The Steps are to be cut laterite. The upper course of basement throughout is to be of laterite also 6" thick and 9" wide. — Laterite Work.

The building is to be enclosed by a hedge with a gate and gateway as shown on the plans. — Enclosure.

All debris etc. is to be removed, the ground round the building is to be levelled and the building completed in a clean and workmanlike manner before it is handed over to the Revenue Department. — Finishing

J. Shaughnessy
District Engineer

Dist Eng Office.
Nellore
29th August 1886

Exd

Specification to accompany the Estimate for the Ryot's shed required in connection with the proposed 2nd Class Talug Cutcherry at Kotah, Gudur Talug.

The building to be in accordance with the revised Standard design communicated with G.O. No 1014 dated the 20th April 1874.

Foundations The foundations to be 2'0" in depth ~~&~~ the thickness as is detailed in Estimate ~~and~~ its to rest on a bed of — concrete 1' in thickness

Basement. The basement to be 1-6" in height and 1-6" in breadth.

Superstructure The 12 pillars above basement to be 8-6" in height and 1-6" square. the tops to be finished off with first class laterite slabs 6" in thickness.

The Concrete and Masonry to be of the same description as the Concrete and Masonry to be used in the main building.

Roof. The roof is to be of Teakwood Trusses and Purlins with palmyrah rafters, teak reapers and iron work etc, as detailed in the Estimate. The roof to be covered with flat and Pan tiles and Chunam borders in the usual manner. The Palmyrahs to be well tarred.

Teakwork

The Bressummers and Eave boards are to be of Teak. The Scantlings of the timber to be of the dimensions detailed in the Estimate.

Flooring

The flooring to be of brick on edge in Chunam on 3" Concrete.

Honey Comb

The End walls, above basement, to be 10" in thickness for a height of 2'-6". The portion above this level to consist of tiled honey comb work

Pointing

The brick work to be pointed neatly

The materials and workmanship to be of the same description as the materials and workmanship used in the Main building.

The building will be completed in a clean and workmanlike manner before it is handed over for use.

Dist. Eng. Office,
Nellore 29 August 1876

District Engineer.

P.W.D.
2 SEP 76
No. [illegible]

Enclosure in a letter No 89 dated 29th August 1876 from the District Engineer Nellore to the Deputy Chief Engineer D.P.W. Madras

Taluq Cutchery at Kolah

— Report —

57

Specification to accompany the Estimate for a Cook house required in connection with the proposed 2nd Class Taluq Cutchery at Kolah. Gudur Taluq.

The building to be in accordance with the revised Standard design communicated with G.O. No 1014 dated 20th April 1874.

Foundation — The foundation to be 2'-0" in depth and thickness as detailed in Estimate and to rest on a bed of concrete 1' in thickness as shown the revised design.

Basement — The basement to be 1'-3" in breadth and 1'-0" in height.

Superstructure — The Walls above basement to be 1'-3" in breadth and 8' in height as shown in the section of the revised design.

The Concrete and Masonry are to be of the same description as those used in the Main building.

Roof — The roof is to be of Palmyrah couples with Teak reepers and to be covered with flat and Pan tiles and Chunam borders in the usual manner. The woodwork to be good and well turned.

Teak wood. The Wall plates and Eave boards to be of Teak.

Flooring. The flooring to be of brick on edge in Chunam on 3" Concrete

Plastering. The interior of the building to be plastered with 1 coat of Chunam and whitewashed

Pointing. The Exterior of the building to be pointed neatly.

Finishing. The building will be completed in a clean and workmanlike manner before it is handed over for use.

District Engineer

Dist Eng Office
Nellore
24th August 1876

Ex C

Specification to accompany the Estimate for a Latrine of 10 seats, in connection with the proposed 2nd Class Taluq Cutcherry at Kotah, Gudur Taluq.

The building to be in accordance with the Standard design communicated with G.O. No 1014 dated 20th April 1874.

Foundation. The foundation to be 2' in depth and to rest on a bed of concrete 1' in thickness

Basement. The basement to be 6" ~~in depth~~ high and 1'-6" in breadth.

Superstructure. The Pillars above basement will be 1'-6" square and 8'-6" in height, the top 6" will be of laterite slabs.

The seat partitions and screen walls to be 9" in thickness and 5'-6" in height.

The wall round the Earth bin to be 9" in thickness and 4' in height as detailed in the Estimate.

Cisterns. The building will be provided with 2 Cisterns as shown on the drawing.

Honey comb work. The space between the pillars to be filled in with tiled honey comb work as shown on the drawing.

Roof The roof is to be of Palmyrah couples with Teak reepers and to be covered with flat and pan tiles and Chunam borders in the usual manner.

The wood work to be well tarred.

Teakwood The bressummers and Eave board to be of Teak

Flooring The floor is to consist of 4" of concrete and a coating of asphalte 3/4 in thickness.

Plastering The interior of the building to be plastered with 1 Coat of Chunam and whitewashed.

Pointing The Exterior of the building to be pointed neatly

Finishing The Materials and workmanship not specially described to be of the same description as in the Main building.

The building will be completed in a clean and workman like manner before it is handed over for use.

Dist Eng. Office, }
Nellore }
29 August 1876 }

District Engineer

Specification to accompany the Estimate for Latrine of 6 seats in connection with the proposed 2nd Class Talug Cutcherry at Kotah, Gudur Talug.

The building to be in accordance with the Standard design communicated with G.O. No 1014 dated 20th April 1874.

Foundation The Foundation to be 2' in depth and to rest on a bed of Concrete 1' in thickness.

Basement The basement to be 6" in depth and 1'-6" in breadth.

Superstructure The pillars above basement will be 1'-6" Square and 8'-6" in height, the top 6" will be of laterite slabs.

The seat partitions and Screen Walls to be 9" in thickness and 5'-6" in height.

The Wall round the Earth bin to be 9" in thickness and 4' in height as detailed in Estimate.

Cistern. The building will be provided with

1 Cistern as shown on the drawing.

The Space between the pillars to be filled in with tiled honey comb work as shown on the drawing. Honey comb work.

The roof is to be of best Palmyrah couples with Teak reepers and to be covered with flat and Pan tiles and Chunam borders in the usual manner. Roof.

The wood work to be well tarred.

The bressummers and Pane board to be of Teak. Teakwood.

The floor is to consist of 4" of Concrete and a coating of Asphalte 3/4" in thickness. Flooring.

The interior of the building to be plastered with 1 Coat of Chunam and whitewashed. Plastering.

The Exterior of the building to be pointed neatly. Pointing.

The materials and workmanship not Specially described to be of the same description as the materials and workmanship of the main building. Finishing.

The building will be completed in a clean and workmanlike manner before it is handed over for use.

W Shaughnessy
District Engineer.

Dist Engineer's Office,
Nellore 29 August 1874

P.W.D.
2 SEP 76
No. [illegible]

Enclosure in a Letter No. 87 dated 29 August 1876 from the District Engr Nellore to the Deputy Chief Engineer D.P.W. Madras.

Taluq Cutchery at Kotah

— Specification —

No. 138   District Engineer's Office

(a) Heads of Service— Provincial

Fund. Ordinary

Class. Original Works

Main-head. Civil Buildings

Sub-head. 5 Revenue Department

Section 2 Taluq Cutcherries

Name of Work. Constructing a 3rd Class Cutchery at Kotah.

Amount. Rs 14,750

To be carried out by the Public Works Department

Print in the margin of G.O. [illegible] 1877-

No. 138 District Engineer's Office
Nellore. 7th November 1876.

From
J. O'Shaughnessy Esquire
District Engineer
Nellore

To
Colonel W. Farewell
Deputy Chief Engineer
D. P. W.
Madras

Sir,

In resubmitting the Plan and Estimate for the 2nd class Cutcherry proposed to be built at Kotah. I have the honor to explain in reference to your Memo No 1002 dated the 21st September 1876.

1 Detailed Estimate.
1 Abstract Estimate
1 Specification
1 Plan
1 Site Plan
5 Total

2. Main Building

The excess of 875½ cubic feet of brick work as compared with the standard quantities was owing to increased thickness and —

same cause as the excess in Latrine Establishment.

6. The few errors in calculations have been corrected.

7. The difference pointed out in para 4 of your Memo is explained in para 3 above.

8. The Plans and Estimates are now countersigned by the Collector.

9. All the arrangements connected with the site have been made by the Collector's Department. The amount of Compensation has been fixed by the same Department with the Collector's approval

10. The site is objected to by this Department but the collector appears to adhere to it in spite of these objections. These are that. That there is no occasion to build in the middle

of the village. That the promises made by the owners of the houses to give them up for certain amounts of Compensation are not binding and cannot be relied upon. and that a favourable site on waste land is available at a distance of about a quarter of a mile from the village.

11. The difference between the estimated and the District Schedule rates are explained in the case of Brick work. that the soil in the neighbourhood of the building is bad and bricks will have to be made at a considerable distance from the work and that fire wood for brick burning is exceptionally scarce and expensive in the neighbourhood.

Teak wood - the excess of 6 pie a foot is very small - and rates vary. Batten doors - have to be made at Nellore and carried 40 miles to the work. The price of teak wood is also rising.

I have the honor to be
Sir
Your most Obedient Servant

District Engineer

G O No 1385-D Rev. 10-12-73

P.W.D.
13 NOV 76
No. 5208

From,
The District Engineer
of Nellore

To,
The Deputy Chief Engineer
D.P.W.
Madras

Dated 7th November 1876
Despd 10th — do
Recd.

2 Plans with [illegible]

No 138 Enclo 5.

Kota Cutcherry

Resubmitting Plan and Estimate of — with Explanation of difference in rates & quantities &ca.

[illegible] 2-2-77

D.P.W. Nellore — Southern Division

Taluq Gudur — Village Kota

Provincial — I Original Works

Civil Buildings — Imperial Service

II Taluq Cutcherries

(Duplicate) — B Revenue Department

Abstract Estimate No. of 1876-77.

Work. Constructing a 2nd Class Taluq Cutcherry and Out-houses at Kota

Quantity	Item	Rate	Per	Amount	Total
368	Cyds of Excavation for foundations	0 2 0	Cyd	46 0 0	
87	Do of Concrete	3 0 0	Do	261 0 0	
458⅓	Do of Brick in Chunam	5 0 0	Do	2291 10 8	
229¾	Cfeet of Laterite Stone work	0 2 8	Cft	38 4 8	
152	Cyds of Filling in basement	0 2 0	Cyd	19 0 0	
627	Cfeet of Teakwood work including wastage	4 0 0	Cft	2508 0 0	
121.65	lbs of Wrought iron in trusses	0 6 0	lb	45 9 10	

Carried over Rs 5209 9 2

Put in Bundle

	Brought forward Rs.			5209 7 2	. . .
419	Sq feet of Doors and Windows Venetian and panel	1 8 0	Sq ft	628 8 0	
180	Sq feet of Batten Doors for Jail	1 0 0	do	180 0 0	
147	Do of Iron barred shutters for Jail	1 8 0	do	220 8 0	
60	Do of Ventilators with iron bars for Jail	1 12 0	do	105 0 0	
36	Do of Fixed Venetian Ventilators	1 0 0	do	36 0 0	
37.47	Squares of Painting with Oak Color three coats	4 0 0	Sq	149 14 1	
40.53	Do of Pointing Outside	2 8 0	Do	101 5 2	
60.92	Do of Plastering inside	3 0 0	Do	182 12 2	
60.92	Do of Color washing	0 3 9	Do	14 6 5	
57	Do of Roofing with flat and pan tiles, teak reepers, nails and chunam borders etc complete	16 0 0	Do	912 0 0	
	Carried Over Rs.			7739 13 0	. . .

	Brought forward Rs.			7739 13 0	. . .
22.29	Squares of Flooring Brick on Edge	9 0 0	Sq	200 6 10	
7.56	Do of Flooring with 4 inches of concrete and a coating of Asphalte 3/4 inch thick	22 0 0	Do	166 5 1	
123	Lineal feet of laying zinc gutter to the Valleys	2 10 0	L ft	322 14 0	
224	Do of Exterior drain	0 5 6	Do	77 0 0	
8	Circular Ornaments for trusses	1 4 0	Each	10 0 0	
1	Strong Iron Cage for treasury 6' × 5' × 4' internal dimensions	. . .		150 0 0	
	Scaffolding	. . .		100 0 0	
	Contingencies	. . .		216 0 0	
	Superintendence	. . .		108 12 6	
	Sundries	. . .		108 12 7	
	Total Rupees				9,200 0 0

Ryot's Shed

46	Cyds of Excavating foundations	0 2 0	Cyd	5 12 0	
	Carried Over Rs.			5 12 0	9,200 0 0

	Brought forward Rs		9200 · ·
15 4/9	Cyds of Concrete work	3 · · Cyd	46 5 ·
46 1/9	Do of Brick in Chunam	4 8 · Do	207 8 ·
1 1/2	Squares of Honey Comb work	7 · · Sq	10 8 ·
18 1/2	Cyds of filling in basement	· 2 · Cyd	2 5 ·
5	Squares of Flooring Brick on Edge	9 · · Sq	45 · ·
11	Squares of Roofing with Palmyra couples, reepers, rafter and reeper nails, flat and pan tiles and Chunam borders to complete	28 8 · Sq	313 8 ·
106	C feet of Teak wood work including wastage	4 · · Cft	424 · ·
3	Iron king roos with straps to complete	8 · · Each	24 · ·
13	Squares of Painting	2 8 · Sq	32 8 ·
	Carried Over Rs	1111 6 4	9200 · ·

	Brought forward Rs	1111 6 4	9,200 · ·
12	Laterite Stones on tops of Pillars	1 · · Each	12 · ·
	Contingencies		38 · ·
	Superintendence		19 4 10
	Sundries		19 4 10
	Total Rupees		1200 · ·

Cook Room

27	Cyds of Excavating foundations	· 2 · Cyd	3 6 ·
9	Cyds of Concrete work	3 · · do	27 · ·
33	Cyds of Brick in Chunam	4 8 · do	148 8 ·
7	Cyds of Filling in basement	· 2 · do	· 14 ·
2	Squares of Flooring Brick on edge	9 · · Sq	18 · ·
4 3/4	Do of Roofing with Palmyra couples, reepers, rafter & reeper nails, flat and pan tiles and Chunam borders to complete	28 8 · do	135 6 ·
	Carried Over Rs	333 2 ·	10,400 · ·

	Brought forward Rs		338 2 0	10400 0 0
9	Cfeet of Teak wood work including wastage	4 0 0 Cft	36 0 0	
5·6	Squares of Plastering with one coat of Chunam	1 12 0 Sq	9 12 9	
5·6	Squares of Whitewashing	0 3 9 do	1 5 0	
6·3	Do of Pointing	2 8 0 do	15 12 0	
	Contingencies	...	12 0 0	
	Superintendence	...	6 0 0	
	Sundries	...	6 0 3	
	Total Rupees			420 0 0

Latrine for Establishment 10 Seats.

53	Cyds of Excavating foundations	0 2 0 Cyd	6 10 0	
18	Cyds of Concrete work	3 0 0 do	54 0 0	
41½	Cyds of Brick in Chunam	4 8 0 do	186 12 0	
7	Squares of Honey Comb work	7 0 0 Sq	49 0 0	
4½	Do of Flooring with 4 in of Concrete and a coating of Asphalte ¾ inch thick	22 0 0 do	99 0 0	
28¾	Cfeet of Teak wood including wastage	4 0 0 Cft	115 0 0	
	Carried Over Rs		510 6 0	10820 0 0

	Brought forward Rs		510 6 0	10820 0 0
			75	10 0 0
9½	Squares of Roofing with Palmyra couples, reapers, rafter & reaper nails, flat and pan tiles and Chunam borders &c complete	28 8 0 Sq	270 12 0	
7¾	Squares of Plastering with one coat of Chunam	1 12 0 do	13 9 0	
7¾	Squares of Whitewashing	0 3 9 do	1 13 0	
6¾	Do of Pointing	2 8 0 do	16 14 0	
12	Laterite Stones on tops of Pillars	1 0 0 Each	12 0 0	
26	lbs of Zinc flashing	0 4 0 lb	6 8 0	
2	Wooden Covers for Cisterns with buckets Complete	30 0 0 Each	60 0 0	
	Contingencies	...	24 0 0	
	Superintendence	...	12 1 0	
	Sundries	...	12 1 0	
	Total Rupees			940 0 0

Latrine for Prisoners 6 Seats.

9	Cyds of Excavating foundations	0 2 0 Cyd	4 14 0	
	Carried Over Rs		4 14 0	11760 0 0

	Brought forward Rs		4 14 0 11760 0 0
13	Cyds of Concrete work	3 0 0 Cyd	39 0 0
32	Cyds of Brick in Chunam	4 8 0 do	144 0 0
4.3	Squares of Honey Comb work	7 0 0 Sq	30 1 7
19	Cfeet of Teak wood work including joints	4 0 0 Cft	76 0 0
6	Squares of Roofing with Palmyrah couples, reepers, rafters and reeper nails, flat and pan tiles and Chunam borders etc Complete	28 8 0 Sq	171 0 0
5.8	Squares of Plastering with one Coat of Chunam	1 12 0 Sq	10 2 4
5.8	Do of Whitewashing	0 3 9 do	1 5 9
5	Do of Pointing	2 8 0 do	12 8 0
2½	Do of flooring with 4" of Concrete and a coating of Asphalte 3/4 inch thick	22 0 0 do	55 0 0
9	Laterite stones on tops of Pillars	1 0 0 each	9 0 0
	Carried over Rs		552 15 8 11760 0 0

	Brought forward Rs		552 15 8 11760 0 0
14	lbs of Zinc flashing	0 4 0 lb	3 8 0
1	Wooden Covers for cistern with buckets complete	30 0 0	30 0 0
	Contingencies		12 0 0
	Superintendence		6 10 0
	Sundries		6 14 4
	Total Rupees		610 0 0
	Constructing a Masonry Bill		150 0 0
	Compound wall 15 feet on each side of gate pillars		
16	Cyds of Excavating foundations	0 2 0 Cyd	2 0 0
4½	Cyds of Concrete work	3 0 0 do	13 8 0
12	Do of Brick in Chunam	4 8 0 do	54 0 0
3½	Squares of Pointing	2 8 0 Sq	8 12 0
1	Teak wood Gate with Masonry Pillars hinges & bolts etc complete		100 0 0
	Carried over Rs		1784 · 12 5 20 0 0

Brought forward Rs	1784 · 12,520 · ·
Hedge for Compound	150 ·
Superintendence and Sundries	21120
Total Rupees	350 · ·
Branch Road	180 · ·
Compensation for land and Buildings	1,600 · ·
Removal of Walls and Buildings	150 · ·
Grand Total Rupees	14,800 · ·

District Engineer's
Office
Nellore
29 August 1876

J. Shaughnessy
District Engineer

S.G.

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partment.

NT.

1873)

1876)

P.W.D.
2 SEP 76

Enclosure in a Letter No 89 dated 29 August 1876 from the District Engineer Nellore to the Deputy Chief Engineer DPW Madras

Duplicate

Lodged 2.9.76

Taluq Cutcherry at Kotah

Abstract Estimate

Rs 14,800 —

[illegible]

No 366

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 2d Feby 1877

Read ~~the following~~ again :—

Proceedings of Government Rev: Dept } (G.O. No 1385 d/ 10th Decr 1873)
Letter from the D.E. Nellore (" " 31 " 25th June /75)
(" " 62 " 30 Oct ")
Do Do (" " 89 " 29th Augt/76)
Do Do (" 1002 " 21st Sept ")
Memo from the Chief Engineer (")

Read the following:

from
The District Engineer Nellore (Lr No 138 d/ 7th Novr 1876)

His Grace the Governor in Council sanctions the estimate of Rs 4750 for constructing a 2nd class Cutcherry and out Buildings on the Standard Plan at Kotah in the Nellore District.

2 There are at present no funds available for the work.

3. This sanction is registered as Provincial No 230th of 1876-77.

(Sd) [illegible]
To the P.W.A.
Revenue Dept
Desp. 13-2-77

Pd in Bundle

No. 9308
Xa

Govt. of 1877 Madras
PUBLIC WORKS.

To The D. E. Nellore

Letter
Dated
Read
Encl.

G. O. 2nd Feby 187 No. 361

Nos. 160-162

2nd Class Cutcherry and outbuildings at Kotah in the Nellore Dt. The estimate of Rs 14,750 for constructing on the standard plan are sanctioned.

Ent in Regr.