

(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.	1252	(W)	Press
B.P. No.			Mis.
Dated	18-5-		1876.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
18th May 1876.*

No. 330. Read the following letter from Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madura, 13th March 1876, No. 4,618:—

In reference to the Proceedings of the Government, Judicial Department, of the 29th February 1876, No. 377, just communicated to me by the Acting Collector with his endorsement of the 7th March

1 Plan.
1 Estimate.

1876, No. 199, I have the honor to submit again the plan for a Sub-Magistrate's Court, &c., as prepared by me in communication with Mr. McQuhae, and submitted by him to the Government in his letter recorded in their orders of the 6th August 1875, No. 43.

2. The object of placing the Court above the Police Office does not appear to have been explained to the Government at all, in fact the papers seem to have been sent up merely with a view to get the design changed, which had been prepared after long consideration in communication with the Magistrate and the Police Superintendent.

3. It was found so impracticable to obtain any large piece of ground in the town of Madura at any reasonable cost in which all these buildings could be placed, that Mr. McQuhae accepted the proposal to have an upper-story building which would save several thousands of rupees in cost, and the present design was accordingly prepared in entire accordance with his wishes and approval and submitted to the Government, who did not then disapprove of it but ordered some revisions to be made. If anything in the shape of a Taluq Cutcherry design is to be adopted some Rupees 10,000 or Rupees 15,000 must be added to the cost to purchase a site with, and I am not aware that this circumstance has been represented to the Government, as the papers have been apparently laid before them without any intimation to this department, and no information has been asked of me on this most material point which had guided us throughout in preparing the design, and on this, therefore, I beg to solicit further orders as a great deal of time has already been lost in this matter.

4. Mr. McQuhae and I had examined every site we could find in the town, and it was only after long consideration that we came to the conclusion that in order to reduce the cost as much as possible it was advisable to propose a two-storied building; as far as I am aware the change of design has been proposed to the Government without any thought or consideration as to what the probable cost is likely to be, or if any suitable site is available for a building of the proposed character which must occupy a considerable space, whereas I had arranged to have this as compact as possible to suit the means we had available.

5. It is quite feasible in the design now sent to make an entrance to the Magistrate's Court independent of the Police entirely, by having a verandah as shown in pencil with the stair-case in this.

Proceedings of the Madras Government, Public Works Department,
18th May 1876.

No. 331.

ORDER THEREON, 18th May 1876, No. 1,252.

CIVIL WORKS, No. 27.

THE Government have already decided against the adoption of this plan in Judicial Department Order, No. 377 of 29th February, by which the District Engineer will be guided.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the District Engineer, Madras.

Memorandum.

It is submitted that Col. Discher's Proposed Plan which he says is the only one which the ground will hold is 156 ft long.

Another Plan which he submits, and says the ground will not hold is 16½ ft shorter.

The revised Standard Plan is only 93 ft long.

Under these circumstances the fact that the order may be affirmed. A Site Plan accompanying.

G.W.W.
15-5-

A flat arch to be placed immediately over

My only doubt was
caused by (d) Fickett
letter. If there is a
site sufficient to admit
of the Revised Standard
Building Paper:-

M.E.

17/5/76

Specification report for constructing a Sub Magistrate's Cutcherry and subsidiary jail at Madurai.
Amount of Estimate Rs 17,000/-

Detailed measurements are given in the accompanying plan and estimate.

The trenches for foundations to be excavated to the depths shown in the plan - the bottom to be as regular as possible.

The foundation to consist of a bed of concrete and over it rough stones in chunam. The concrete to consist of one of chunam, 1 of gravel or broken stones, and one of broken bricks, well mixed together with a small quantity of water, placed in two layers of equal thicknesses well rammed. The masonry will be ordinary rubble stone laid in chunam composed of 1 of chunam to 1 1/2 river sand well ground together. Bond stones to be placed in top course of each step about 20 feet apart, those in one step being midway between those in the other steps.

The masonry above to be of brick laid in chunam. The bricks to be Government size and the best quality obtainable in Madurai when used they ^{should be} soaked in water for a few hours previously. The chunam to be the same description as that used for the foundation. English bond to be observed throughout, the joints should not be more than 1/4 inch thick.

A flat arch to be placed immediately over each

each door and window, a semicircular arch over opening between Police Guard Room and staircase; and the lower verandah will be supported by semicircular arches resting on brick or chunam pillars. Only selected bricks ground to the required shape to be used - the joints to radiate to the common centre - the chunam to be of the description already specified. —

The whole of the masonry above ground to be plastered with chunam; the interior on ground floor with one coat, the interior of first floor and the whole of the exterior of building with two coats. The first coat to consist of 1 of chunam to $\frac{1}{2}$ of river sand and the second coat of 1 of chunam to 1 of fine sand well ground together.

The flooring of the lower story, with the exception of the wards will consist of 8 inch square tiles, $\frac{1}{2}$ inch thick, well burnt, and laid on their flat in chunam on a bed of concrete 1 1/2 inches thick prepared as specified above. After they are laid the tiles are to receive 2 coats of tar. The wards will be floored with asphalt $\frac{1}{2}$ inch thick laid on concrete as above specified. —

With the exception of the verandah to upper story the whole of the roofing will be flat terraced. The terrace tiles to be 6" 4" 3".

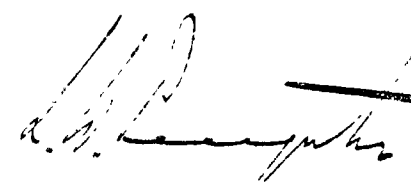
The lower roof is to consist of 1 layer of tiles in end, a layer of concrete 3" thick, and two coats of

9
of plastering. The upper roof will be the same except that the tiles will be placed on edge. The roof of verandah of upper story to consist of 3 courses of flat tiles on their flat, the second course to be laid diagonally and plastered with two coats of chunam.

All the timber used to be well seasoned teak.

The lower half of all the doors for the wards to be panelled. The upper half to be iron barred. All the other doors to be half panelled and half venetian. All the windows - not ventilators - to be venetian. The ventilators to be iron barred only without shutters.

All the materials and workmanship to be of the best description procurable.


Executive Engineer
Madura Range

Detailed Estimate. 10 of 1875-76. 11
 District Madurai Talook Madurai
 Work Constructing a Submagistrate's Cutcherry
 and Subsidiary Jail at Madurai.

Particulars of work	Measurements			
	Number	Length	Breadth	Height
Excavation Front and rear walls of Main building	2	53	5½	5
End walls of — Do —	2	12½	5½	5
Cross walls —	2	12½	5	4
Rear wall of the lockups —	1	40½	5½	5
Sides, cross walls of Do —	4	12½	5½	5
Front & rear walls of wing —	4	44¾	5	4
Cross walls of — Do —	4	13½	5	4
Verandah retaining wall —	1	226½	5	4
Steps front & rear —	1	12¾	3	¾
Total. 6 feet —				15810½
Being equal to Cyls —				585½

Concrete below Foundation

Front & rear walls of main building	2	53	5½	4
End walls of — Do —	2	12½	5½	1
Cross walls —	2	12½	5	1
Rear wall of the lockups —	1	40½	5½	1
Cross walls of — Do —	4	12½	5½	1
Front & rear wall of the wing —	4	44¾	5	1
Cross walls of — Do —	4	13½	5	1
Verandah retaining walls —	1	226½	5	1

Continued

Brought forward					3640 $\frac{3}{4}$
Total cost of concrete in ch^m					3640 $\frac{3}{4}$
Being equal to cuyds					134 $\frac{3}{4}$
Foundation Rough stone in chunam					
Front & rear walls of main building	2	53	3 $\frac{1}{4}$	4	1376
End walls of D^e	2	14 $\frac{3}{4}$	3 $\frac{1}{4}$	4	333 $\frac{1}{2}$
Cross walls	2	14 $\frac{3}{4}$	2 $\frac{3}{4}$	3	243 $\frac{3}{8}$
Rear wall of the Lockups	1	38 $\frac{1}{4}$	3 $\frac{1}{4}$	4	1497 $\frac{1}{4}$
Cross walls of D^e	4	14 $\frac{3}{4}$	3 $\frac{1}{4}$	4	767
Front & rear walls of wings	4	43 $\frac{5}{8}$	2 $\frac{3}{4}$	3	1439 $\frac{5}{8}$
Cross walls of D^e	4	15 $\frac{3}{4}$	2 $\frac{3}{4}$	3	519 $\frac{3}{4}$
Verandah retaining wall	1	228 $\frac{3}{4}$	2 $\frac{3}{4}$	3	1887 $\frac{3}{4}$
Steps in front & rear	1	12 $\frac{3}{4}$	3	3 $\frac{3}{4}$	23 $\frac{3}{4}$

Total foundations cost $6744 \frac{1}{2}$
 Being equal to cuyds $256 \frac{1}{4}$

Basement Brick in chunam					
Front & rear walls of main building	2	53	2 $\frac{1}{2}$	2	530
Cross walls of D^e	2	15 $\frac{1}{2}$	2 $\frac{1}{2}$	2	155
D^e D^e	2	15 $\frac{1}{2}$	2	2	124
Rear wall of the Lockups	1	37 $\frac{1}{2}$	2 $\frac{1}{2}$	2	187 $\frac{1}{2}$
Cross walls of D^e	4	15 $\frac{1}{2}$	2 $\frac{1}{2}$	2	310
Front & rear walls of wings	4	43 $\frac{1}{4}$	2	2	692
Side & cross of D^e	4	16 $\frac{1}{2}$	2	2	264
Verandah wall	1	229 $\frac{1}{2}$	2	2	918

Superstructure Lower Story					
Front & rear walls of M. building	2	53	2	13	2756
End walls of D^e	2	16	2	13	332
Cross walls of D^e	2	16	1 $\frac{1}{2}$	13	624
Rear wall of the Lockups	1	37	1	13	962
Side & cross walls of D^e	11	16	2	13	1664
Front & rear walls of wing	14	43	1 $\frac{1}{2}$	13	3354
End & cross walls of D^e	4	17	1 $\frac{1}{2}$	13	1326
Verandah walls	1	230	1 $\frac{1}{2}$	13	4435

Parapet walls	1	317	1 $\frac{1}{4}$	2 $\frac{1}{2}$	990 $\frac{5}{8}$	13	2
Total cost					20174 $\frac{3}{8}$	13	5
Doors in the main building	5	4	2	3	320		
D^e D^e	1	14	2	7	56		
D^e in the wing	4	4	1 $\frac{1}{2}$	8	192		
Windows in Police & Lockups	8	3	2	4	192		
Ventilators in wards	10	4	1 $\frac{1}{2}$	2	120		
D^e D^e	2	4	2	2	32		
Archways up to springing in							
Police	1	9	2	5	90		
Semicircular space above	1	32	2		64		
Archway up to springing in front	15	3 $\frac{3}{4}$	1 $\frac{1}{2}$	5	984 $\frac{3}{8}$		
D^e at sides	6	7 $\frac{3}{4}$	1 $\frac{1}{2}$	5	348 $\frac{3}{4}$		
Semicircular spaces in front	15	30	1 $\frac{1}{2}$		675		
D^e at sides	6	23 $\frac{1}{2}$	1 $\frac{1}{2}$		211 $\frac{1}{2}$		
for Archwork							13

Semicircular Arch in Police	1	13	2	1 $\frac{1}{2}$	54		
D^e in front	15	14	1 $\frac{1}{2}$	1 $\frac{1}{2}$	472 $\frac{1}{2}$		
D^e at sides	6	12 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	168 $\frac{3}{4}$		
Flat archwork over doors and ventilators in M. Building	3	5	2	1 $\frac{1}{2}$	120		
D^e over windows in D^e	8	4	2	1 $\frac{1}{2}$	96		
D^e over doors & ventilators in wing	14	5	1 $\frac{1}{2}$	1 $\frac{1}{2}$	157 $\frac{1}{2}$		
Total cost					1354 $\frac{3}{8}$		

Remaining cost brick in chunam $15819 \frac{3}{4}$
 Being equal to cuyds $585 \frac{3}{8}$
 Archwork as per above Deductions cost $1068 \frac{3}{4}$
 Being equal to cuyds $39 \frac{5}{8}$

Superstructure brick in chunam Upper Story							
Front & rear walls of main building	2	53	1 $\frac{1}{2}$	14	2226		
End and cross walls of D^e	3	17	1 $\frac{1}{2}$	14	1071		
Rear wall of the Lockups	1	37	1 $\frac{1}{2}$	14	777		
Cross walls of D^e	4	16 $\frac{1}{2}$	1 $\frac{1}{2}$	14	1386		
Windows in Verandah	6	1 $\frac{1}{2}$	1 $\frac{1}{2}$	7	94 $\frac{1}{2}$		
Parapet wall	1	176	1 $\frac{1}{2}$	2	132		

Pediment in front	1	30	1 1/2	2 1/4	101 1/4
Binding wall	1	54	1 1/2	1/2	25 1/2
Total sput					581 3/4

Deductions					
Doors	3	4	1 1/2	3	33 1/4
Windows	4	3 1/2	1 1/2	5 1/2	31 7/8
Flat arch over Doors	3	5	1 1/2	1 1/2	9 1/2
Doors Windows	4	4 1/2	1 1/2	1 1/2	11 1/8
Total sput					91 1/8

Remaining sput brick in chimney					49 1/8
Being equal to loads					13 1/2

Flat arch hook as per above					20 1/8
Deduction sput					7 1/8
Being equal to loads					7 1/8

Quotations in chimney					
Steps in Lower Story	1	12 3/4	3	1	35 1/4
Total sput of lat lower in chimney					38 1/4

Plastering Inside Lower Story 1 Coat					
Police	1	92	-	13	119 1/2

Female wards	2	40	-	13	124 1/2
Male wards	4	74	-	13	356 1/2

Lockups	2	52	-	13	135 1/2
Passage	1	50	-	13	65 1/2

Sides & soffits of Archway	1	74	-	-	4 1/2
in Police					
Total sput					834 1/2

Deduction					
Archway up to springing in Police	2	7	-	5	90
Semicircular space above	7	32	-	-	64
Doors	7	4	-	3	28 1/2
Doors in rear	9	4	-	1	23
Windows	1	11	-	1	96 1/2
Ventilators	3	3	-	2	96 1/2
Total	12	4	-	-	66 1/2

Remaining Plastering sput					768 1/2
Being equal to sput					76 1/2

Plastering Outside Lower Story 2 coats					
Outer wall of wards & Police	1	176	-	13	225 1/2

Verandah wall inside	1	224	15	13	291 1/2
Outside all round	1	411	-	13	534 1/2

Basement	1	413	-	2	826 1/2
Parapet wall	1	317	-	2 1/2	792 1/2

Sides & soffits of Arches	15	23 1/2	1 1/2	-	528 1/2
Doors at sides	6	22 1/4	1 1/2	-	200 1/4
Total sput					1289 1/2

Deductions					
Archways up to springing	2 x 15	8 1/4	-	5	131 1/2
Doors at sides	2 x 6	7 3/4	-	5	465

Semicircular spaces in front	2 x 15	30	-	-	900
Doors at sides	2 x 6	23 1/2	-	-	232 1/2
Total					2959 1/2

Remaining sput Plastering					99 3/4
Plastering Upper story 2 coats					

Magistrate's room	1	114	-	14	159 1/2
Private room	1	51	-	14	714 1/2

Record & Gunastak's rooms	2	54 1/2	-	14	152 1/2
Passage	1	52	-	14	72 1/2

Parapet wall	1	176	-	2	352 1/2
Binding wall	1	34	-	2 1/2	85 1/2
Pediment	1	30	-	3 3/4	112 1/2

Outer wall	1	182	-	14	254 1/2
Verandah pillars	6	6	-	7	252
Parapet wall	1	176	-	1/2	88
Pediment	1	30	-	2 1/4	67 1/2

Sides & soffits of Doors	3	20	1 1/4	-	200
Doors of Windows	4	18	1 1/4	-	270
Total sput					851 1/2

Deductions					
Doors	2 x 8	4	-	8	512
Windows	2 x 4	3 1/2	-	5 1/2	423 1/2
Total sput					975 1/2

Remaining sput Plastering					75 1/2
Being equal to sput					75 1/2

Reads	26	4 1/2	1 1/4	146 1/4
Landing	1	10	4 1/2	45
Quilings	2	17	4 1/2	153
Total sqft				402 3/4

Out Buildings

Cook House

Foundations Rough Stone in chunam				
Front and rear walls	2	17 1/2	2 1/4	3 263 1/4
Side walls	2	11	2 1/4	3 148 1/2
Cross walls	1	11	2	3 66
Steps	1	16	1 1/2	8

Total left 495 1/4

Being equal to lqds 142

Basement Brick in chunam

Front & rear walls	2	17	1 3/4	1 66 1/2
Side walls	2	11 1/2	1 3/4	1 40 1/4
Cross walls	1	11 1/2	1 1/4	1 17 1/4

Superstructure

Front & rear walls	2	19 1/2	1 1/4	3 370
Side walls	2	12	1 1/4	3 240
Cross walls	1	12	1	3 46
Gables to side walls	2	14 1/2	1 1/4	2 97 1/2

Total left 930 1/2

Deductions

Doors	2	3	1 1/4	6 1.5
Windows	2	3	1 1/4	4 30
Flat arch over Doors & windows	4	4	1 1/2	30

Total left 105

Remaining left of Brick in chunam 925

Being equal to lqds 307 1/4

Flat arch over 2 as per above 2 lqds 30

Being equal to lqds 19 1/4

Left stone in chunam Steps in front 1 16 1 1/2 8 1/4

Total left 5 1/4

Plastering

Inside of Cook house	2	39		8 62 1/4
Outside	1	66		3 52 3/4

Gables inside	2	12	1 1/4	2 3 3/4 66
Do outside	2	14 1/2	2 3/4	79 3/4
Total sqft				1297 3/4

Deductions Doors	2	3		6 36
Windows	2	3		4 24
Total				60

Remaining Plastering sqft 1237 3/4

Being equal to sqres 12 2/3

Flooring

Cook rooms	2	12	7 1/2	180
Door ways	2	3	1 1/4	7 1/2

Total sqft 187 1/2

Being equal to sqres 1 7/10

Woodwork with oil painting

Wall plates	2	2 1/2	1/4	1/2 5 3/8
Common rafters	36	10 1/2	1/4	3/8 35 1/2
Collar pieces small	18	7	1/4	1/3 10 1/2
Do Large	18	13	1/4	1/2 19 1/2

Total left of Timber 402

Roofing

Cook house	1	2 1/2	2 1/4	4 51 1/2
------------	---	-------	-------	----------

Being equal to sqres 4 1/2

Doors	2	3		6 2
Windows	2	3		4 2

Latrine

Foundations Rough Stone in chunam

Front & rear walls	2	28	2	3 33 6
Side walls	2	9 1/2	2	3 114
Cross wall	1	9 1/2	1 1/2	3 42 3/4
Seats	1	17 1/2	3	1 52 1/2
Cistern	1	8 1/2	3/4	2 12 3/4

Cisterns _____ 1 3 4 $\frac{1}{2}$ 6
 Total cost of Rough stones in chunam 564x
 Being equal to byds _____ 203x

Basement Brick in chunam

Front & rear walls _____ 1 49 $\frac{1}{2}$ 1 73 $\frac{1}{2}$

Side walls _____ 2 10 $\frac{1}{2}$ 1 30x

Superstructure

Pillars _____ 9 12 $\frac{1}{2}$ 9 132 $\frac{1}{2}$

Long walls _____ 1 10 1 9 70x

Screen walls _____ 1 35 $\frac{3}{4}$ 4 $\frac{1}{2}$ 113

Gable _____ 1 11 $\frac{1}{2}$ 1 2 23x

Seat partitions _____ 1 17 $\frac{1}{2}$ $\frac{1}{2}$ 5 $\frac{1}{2}$ 48x

Do _____ 7 2 $\frac{1}{2}$ 5 $\frac{1}{2}$ 38 $\frac{1}{2}$

Total cost of Brick in chunam 663x

Being equal to byds _____ 222x

Lint stones for seats

Do _____ 7 2 2 $\frac{1}{2}$ 18 $\frac{1}{2}$

Total cost of Lint stones _____ 18 $\frac{1}{2}$

Honey Comb tile work Intervening walls 1 56 $\frac{1}{2}$ 3x 480 $\frac{1}{2}$

Being equal to sqrs _____ 4 $\frac{1}{2}$

Teak wood with Oil painting

Wall plates or brass runners _____ 2 30 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{3}{4}$ 22 $\frac{3}{4}$

Common rafters _____ 143 9 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{3}{4}$ 42 $\frac{3}{4}$

Collar pieces small _____ 74 7 $\frac{1}{2}$ $\frac{1}{2}$ 14

Do Large _____ 24 13 $\frac{1}{2}$ $\frac{1}{2}$ 26x

Total cost of Teak wood _____ 185 $\frac{1}{2}$

Plastering

Basement _____ 1 56 $\frac{1}{2}$ $\frac{1}{2}$ 28 $\frac{1}{2}$

Pillars _____ 9 6 $\frac{1}{2}$ 513

Cross walls _____ 2 10 8 $\frac{1}{2}$ 170

Seat partitions _____ 1 17 $\frac{1}{2}$ 11 $\frac{1}{2}$ 201 $\frac{1}{2}$

Do _____ 7 2 11 $\frac{1}{2}$ 161

Cistern _____ 1 2 $\frac{1}{2}$ 5 $\frac{1}{2}$

Do _____ 1 2 $\frac{1}{2}$ 2 $\frac{1}{2}$ 23 $\frac{1}{2}$

Total cost of Plastering _____ 1102 $\frac{1}{2}$

Being equal to sqrs _____ 11

Flooring with Asphalt

Latine _____ 1 24 $\frac{1}{2}$ 11 $\frac{1}{2}$ 281 $\frac{1}{2}$

Being equal to sqrs _____ 2 $\frac{1}{2}$

Tile roofing Complete

Do _____ 1 30 $\frac{1}{2}$ 18 $\frac{1}{2}$ 564 $\frac{1}{2}$

Being equal to sqrs _____ 5 $\frac{1}{2}$

Trap door over cistern _____ 1 1

Zinc pans _____ 7 7

Gate

Foundation Rough stones in chunam

Pillars _____ 2 3 3 2 36x

Being equal to byds _____ 1 $\frac{1}{2}$

Brick in chunam

Pillars above _____ 2 2 $\frac{1}{2}$ 2 $\frac{1}{2}$ 1 12 $\frac{1}{2}$ x

Do _____ 2 2 2 4 32x

Roofing _____ 2 2 $\frac{1}{2}$ 2 $\frac{1}{2}$ $\frac{3}{4}$ 9 $\frac{3}{8}$ x

Total cost _____ 54 $\frac{1}{2}$

Being equal to byds _____ 2

Teak wood for Gate

Posts _____ 2 $\frac{1}{3}$ $\frac{1}{3}$ 5 19x

Do _____ 2 $\frac{1}{3}$ $\frac{1}{3}$ 4 $\frac{1}{2}$ 1

Styles _____ 2 14 $\frac{1}{3}$ $\frac{1}{3}$ 37x

Do _____ 2 14 $\frac{1}{4}$ $\frac{1}{3}$ 2 $\frac{1}{3}$ x

Diagonals _____ 2 15 $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{4}$ 15 $\frac{1}{6}$ x

Total cost _____ 9 $\frac{1}{2}$ x

Pointing or Plastering

Pillars _____ 2 8 $\frac{3}{4}$ 1 17 $\frac{1}{2}$ x

Do _____ 2 7 5 $\frac{1}{2}$ 77

Total cost _____ 94 $\frac{1}{2}$

Being equal to sqrs _____ 1

Boundary wall for a length of 30 ft

Foundation Rough stones in chunam

Boundary wall _____ 1 30 13 $\frac{1}{4}$ 2 105x

Being equal to byds _____ 4x

Brick in chunam Boundary wall — 1 30 $\frac{1}{4}$ 1 $37\frac{1}{2}$
 " " " " " " — 1 30 1 2 60
 " " " " " " — 1 30 $\frac{3}{4}$ $\frac{1}{4}$ $27\frac{1}{4}$
 Total left — $126\frac{1}{4}$
 Being equal to legs — $4\frac{2}{3}$

Plastering or painting Boundary wall — 1 30 . 11 330
 Being equal to sqs — $3\frac{1}{3}$

Brick well & cistern
 Excavating Earth for 20 feet deep and
 filling back of well — 1 9 9 20 1620
 Being equal to legs — 60

Brick in mud Well — 1 15 $\frac{3}{4}$ 30 $33\frac{1}{2}$
 Wall between well & cistern
 including foundation — 1 10 $2\frac{1}{4}$ $3\frac{1}{4}$ 73
 Total left Brick in mud — $410\frac{1}{2}$
 Being equal to legs — $15\frac{1}{4}$

Brick in chunam Parapet over well — 1 15 $\frac{3}{4}$ 3 $33\frac{3}{4}$
 Wall between well & cistern — 1 10 9 1 20
 Floor inside of cistern — 1 8 6 1 48
 Cistern wall alone — 1 28 $\frac{3}{4}$ 25 43
 Total left — $144\frac{3}{4}$

Deduct for space to water to run on top drain
 wall between well & cistern — 3 1 10 $\frac{3}{4}$ $\frac{1}{2}$ $3\frac{3}{4}$
 Remaining left brick in chunam — 141
 Being equal to legs — $5\frac{1}{4}$

Out stone pavement
 Around the wall — 1 20 4 $\frac{1}{2}$ 40
 " " East & West — 2 $10\frac{1}{8}$ $2\frac{1}{2}$ $\frac{1}{2}$ $22\frac{3}{4}$
 " " South — 2 $3\frac{1}{4}$ $2\frac{1}{8}$ $\frac{1}{2}$ $1\frac{1}{4}$
 " " North — 1 $7\frac{1}{2}$ $2\frac{1}{4}$ $\frac{1}{2}$ $8\frac{1}{2}$
 Total left — $76\frac{1}{2}$
 Being equal to legs — $2\frac{1}{4}$

Plastering Parapet walls sides & top — 2 15 $2\frac{1}{2}$ 35 1050
 Sides & top of drain drain wall — 2 10 . $4\frac{1}{2}$ 85
 Cistern wall all round — 2 28 . $2\frac{1}{8}$ 132 $\frac{1}{4}$
 Total Plastering 3 coats — $1267\frac{1}{4}$
 Being equal to sqs — 1270

Teak wood Posts at sides of well — 2 8 $\frac{7}{2}$ $\frac{7}{2}$ 56
 Horizontal piece at top — 1 $7\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $1\frac{1}{8}$
 Uprights over horizontal piece — 2 $1\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{2}$
 Total left — $7\frac{3}{4}$
 Roller with iron rod $1\frac{1}{8}$ diam in the center — 1
 Iron bucket — 1
 Curb — 1
 Sinking well 10 ft deep — 1

Madura Range Office
 Madura 1st January 1876

[Signature]
 Executive Engineer
 Madura Range

Abstract Estimate No of 1875-76.
District Madras Talook Madras
Work Constructing a Submagistrate's Cutcherry and sub-
sidiary jail with out buildings at Madras.

Intents	Particulars	Rate Per	Amount Total
1585 1/2	Cyds of Earth excavation	2.00 Cyd	733.00 X
134 3/4	D ^o of Concrete in chunam	2.80	336.14
264 5/8	D ^o of Rough stone in chunam for foundation	3.80	955.52 ~~996.14~~
585 3/4	D ^o of Brick in chunam for Basement & Superstructure	4.80	2636.80
39 5/8	D ^o of Archwork in chunam	6.00	237.54
182 3/4	D ^o of Brick in chunam for Upper story	5.80	774.20 ~~1000.62~~
7 7/8	D ^o of Archwork in do do	6.80	48.30 ~~48.12~~
38 1/4	Cft of Cut stone in chunam for steps lower story	12.00 cft	28.11
76 3/4	Sqres of Plastering one coat Lower story inside	1.80 sqre	116.70 X
75 3/8	D ^o of Plastering Upper story inside & outside 2 coats	3.00	226.40 ~~227.65~~
99 3/8	D ^o of Plastering Lower story outside with 2 coats	3.00	298.00 X
20	D ^o of Flooring with Asphalt 1 1/2" thick laid on concrete	30.00	600.00
27	D ^o of Flooring with 8" square tiles with a levelling course of concrete underneath	10.00	270.00

and two coats of tar over the tiles
 57 1/2 Sqr. of Terra cing with one layer
 of tiles placed on their end
 over which a layer of concrete 20 . . . 377 1/2
 3" thick & 2 coats of plastering
 17 1/2 D. of D. upper story with
 brick in edge D. 22 . . . 379 3/4
 7 1/2 D. of sloping or Bengal terrace
 with 3 courses of flat tiles
 and 2 coats of chunam . . . 55 1/2
 400 Sqr. of Cornices lower story . . . 103 1/2
 186 D. of D. upper story . . . 6 1/2
 44 1/2 Sqr. of Teak wood wrought
 wrought & put up with oil
 Painting . . . 268 1/2
 337 D. of D. upper story including . . . 1215 4
 14 1/2 D. of Stair case including . . . 1056 7/8
 452 Balustrade to D. D. . . 153 7/8
 4 Sqr. of Planking 1 1/2" thick . . . 52 . . .
 1 Wooden railing to Magistrate's . . . 240 . . .
 8 Doors for the wards half panelled
 and half with iron bars including
 bolts, hinges, panuses complete . . . 45 . . . each 360 . . .
 1 Door for police half panelled
 and half with iron . . . 10 . . . each 40 . . .
 1 D. D. in the passage . . . 35 . . . 35 . . .
 8 Windows with frames & hinges
 bolts & ca. complete . . . 15 . . . 120 . . .
 12 Ventilators with iron bars set 2 . . . 10 . . . 120 . . .
 8 Doors in the upper story 10 ft 8 in
 half panelled and half with iron
 with frames, hinges, bolts & ca.
 complete with oil paint . . . 710 . . . 320 . . .
 12 Windows with do do 3 1/2 x 5 1/2
 with Kodungaya sea complete . . . 22 . . . 242 . . .

Sundries sea 743 8
 704 12 7
 Total 1446 10

Out buildings Cook house

18 Cyls of Rough stone in chunam 3 8 . Cyl 63 . .
 30 5/8 D. of Brick in chunam 4 8 . . 137 8 . .
 19 D. of Flat arch in chunam 5 . . . 5 8 10 . .
 8 Sqr. of Cut stone in D. . 12 . cft 6 . . .
 12 1/2 Sqr. of Plastering with do 2 8 . sgr 31 . . .
 19 D. of Flooring with sgr tiles 8 . . . 15 3/2 . .
 80 5/8 Cft of Teak wood wrought 3 4 . cft 229 15 . .
 4 1/2 Sqr. of Roofing . . . 17 . . sgr 76 8 . .
 2 Doors battens with frames
 sea complete 3 x 6 . . . 20 . . each 40 . . .
 2 Windows do do 3 x 4 . 14 . . . 28 . . .
 Sundries . . . 31 5 1/2 696
 Total 664

Latrine

20 3/4 Cyls of Rough stone in chunam 3 8 . Cyl 73 1 9 . .
 22 3/8 D. of Brick in chunam 4 8 . . 100 8 . .
 18 3/8 Cft of Cut stone in do . 12 . cft 14 . . .
 4 4/5 Sqr. of Honey Comb tile work 7 . . sgr 33 9 7 . .
 10 5/8 Cft of Teak wood wrought 3 4 . cft 343 4 6 . .
 11 Sqr. of Plastering 2 coats 2 8 . sgr 27 8 . .
 2 4/5 D. of Flooring with Asphalt 30 . . . 84 . . .
 5 3/8 D. of Tiles roofing complete 17 . . . 96 5 4 . .
 1 Trap Door over lister 14 . . each 14 . . .
 7 Zinc pans . . . 5 . . . 35 . . .
 Sundries . . . 40 10 10
 Total 862

Gate

13 Cyls of Rough stone in chunam 3 8 . Cyl 4 10 8 . .
 2 D. of Brick in chunam 4 8 . . 9 . . .
 7 1/2 Cft of Teak wood wrought 3 4 . cft 30 14 . .

1 Sqrs of Pointing or Plastering — 2 8 . Sqr 2 8 .
 Iron work — 25 .
 Sundries — 4 15 4
 Total — 77 .

Boundary wall

14 Cys of Rough stone in chunam. 3 8 . Cyl 14 .
 1 2 3 Ds of Brick in chunam — 4 8 . " 21 .
 3 1/2 Sqrs of Pointing or Plastering — 2 8 . Sqr 8 5 4
 Sundries — 1 10 8
 Total — 45 .

Brickwell & Cistern.

60 Cys of Excavation — 2 . Cyl 7 8 .
 15 1/4 " of Brick in mud — 3 . " 45 11 .
 5 1/4 " of Brick in chunam — 4 8 . " 23 10 .
 2 3/4 " of Cut stone in Ds — 15 . " 43 5 4
 12 1/10 Sqrs of Plastering — 2 8 . Sqr 31 12 .
 7 3/4 Cft of Teak wood wrought — 3 14 . Cft 25 3 .
 1 Roller with iron rod — 3 . " 3 .
 1 Iron bucket — 5 . " 5 .
 1 Curb — 5 . " 5 .
 Sinking well 10 ft deep — 1 . " 10 .
 Sundries — 7 13 8
 Total — 210 .

1 Dias for Magistrate — 110 .
 1 Pankah 6 ft long — 24 .
 Hedging 500 ft long — 63 .
 Superintendence — 840 .

Grand Total of Estimate Rs. 17700

Madras Range Office
 Madras 4 January 1876

Wm. L. Lushington
 District Engineer of Madras

Executive Engineer
 Madras Range

District Engineer's Office
 Madras 13 March 1876
 No. 4618.
 From

Lieut. Col. J. F. Fischer D. C.

S. District Engineer Medina

Major General G. W. Walker Esq

Secretary to Government 29/11

In reference to the Proceedings
of the Government Judicial Department
of the 29th February 1876 N^o 377 Just
communicated to me by the Acting
Collector with his endorsement of the
7th March 1876 N^o 199 I have the honor
to submit again the plan for a Sub
Magistrate's Court &c as prepared by
me in communication with Mr. MacCulloch
and submitted by him to the Government
in his letter recorded in their orders of the
6 August 1875 N^o 43.

2. The object of placing the bowt above
the

Encls: 2.

1. Pflanzen
1. Elemente

[illegible]

Section 2.

No: 13708137677

Madame T. J.

1000

10. *Stictia*

Declarato per me
e in luogo di

See Directory for Cues

Don't. But let us at
least have

Amount of 1000 00/1000

1222

the Police Officer does not appear to have been explained to the Government at all, in fact the papers seem to have been sent up merely with a view to get the design changed, which had been prepared after long consideration in communication with the Magistrate and the Police Superintendent.

3. It was found so impracticable to obtain any large piece of ground in the Town of Madras, at any reasonable cost, in which all these buildings could be placed, that Mr. MacLachlan accepted the proposal to have an upper story building which would save several thousands of Rupees in cost and the present design was accordingly prepared in entire accordance with his wishes & approval and submitted to the Government, who did not then disapprove of it, but ordered some revisions to be made. If any thing in the shape of a Salug butchers design

design is to be adopted some ³⁰ 10,000 or 15,000 Rs must be added to the cost to purchase a site with and I am not aware that this circumstance has been represented to the Government, as the papers have been apparently laid before them without any intimation to this Department, and no information has been asked of me on this most material point which had guided us throughout in preparing the design and on this therefore I beg to solicit further orders as a great deal of time has already been lost in this matter.

4. Mr. MacLachlan and I had examined every site we could find in the Town and it was only after long consideration that we came to the conclusion that in order to reduce the cost as much as possible it was advisable to propose a two-storied building, as far as I am aware the change of design has been proposed to the Government without

11/11/11

30

Northwich 26

100
District Engineer Madras

without any thought or consideration

37

Pr 1876 Dept

Sept 1976

The District Engineer

Madras

To The Secretary Govt

C. N. D.

Madras.

Dated 12 March 76

Recd. 18 — K

Dec. 16/18

Encls: 2

I enclose for

Sanction in the Plan

& estimate of Rs. 17.00

for consty. submagistrate

& Substation Laid at

Madras

12330

FORMER CASES.

Current No. of 187 .

"
"
"
"

No 12527/18 May 76
The Gov. house at:

ready decided on
against the adop-
tion of this Plan
in Govt. Dept. Order
No 377 of 29th Dec 75
by which the Dis-
bursing will be given
to be dealt -

6.5

LATER CASES.

Current No. of 187 .

" "

D. E. Madura J. Decd 3/1/11

No 330/31

Cir-1675-76

M. WORKS FORM No. 3.

Current No. 1976

From

District Engineer
Madura

No. 4618

Dated 13

Recd. 18

March 1876

C. E. No: 528. 22. 3-76.

Subject:-

Towards for
Sanction the Plan
and Estimate of Rupees
17100 for County Sub
Magistrate's and Subsidy
Jail at Madura

ENCLOSURES.

From

to

"

"

"

"

"

"

for the order
Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment	No.	Dated.
P.W.D.	175	24.1.76.			
- do -	228	26.1.76			
do	43	6.8.75			
Sub-Engineer	377	29.3.76.			

1
FORMER CASES.

of 187 .

1976 JCH
★
Govt. of 11870 Madras.
PUBLIC WORKS.

To

Mr. N. S. Chandra

D. 1

Encl

Encl

G. O. 18th May 1870. No.

1252

No. 330/3

Sub Magistrate - Comd &
Sub Jail at Madras

The Man for a —
disappeared and the S-Inst
to be guided by Inst. Dept
order n° 377 of 29th July in
the preparation of fresh
plans.

Encl
1870