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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

REV DEPARTMENT

G.O. No.	<u>4.</u>	Press
B.P. No.		Mis.
Dated	<u>12</u> <u>4th January 1963</u>	<u>1872</u> <u>196</u>

Not to be folded or roughly handled

to the
Works Department,
With reference to your memo
I have the honour to forward two s
called for.

Estimate for constructing Latrines of the
the Plan sanctioned in

to Government
in November 1872, No. 208:—
174, dated 22nd October last,
states with specification therein
Seats of Dry-earth System, framed on
145, of 7th May 1872.

No.	MEASUREMENT.			Con- tents	Parti- culars	Rate.		Per	Amount	
	L.	B.	D.			RS.	A.		RS.	A. P.
24	2½	2½	2	300	Foundation to pillars					
24	2	2	1	96	Basement to do.					
...	110	1½	1	137½	Foundation to walls					
1	45	1½	1	25½	Do. to centre screen wall					
2	12½	1½	1	22½	Do. to exterior screen walls					
26	3½	1½	1	36½	Do. to screen walls dividing seats					
2	4½	4	1	18	Do. to water cisterns					
2	3	3	1	9	Do. to urinal do.					
2	9½	1½	1	17½	Do. to dry-earth stores					
				662½	Cubic feet, or 24½ cubic yards of rough stone-in-chunam				C. yd.	
12	1½	1½	8½	256½	Pillars above					
12	1½	1½	5	125	Walls around including basement					
...	114	1	3½	399	Do. on sides of openings including basement					
1	45	1	3	69	Centre screen walls					
2	12	1	4	101½	Exterior do.					
26	3½	1	8½	96	Screen walls dividing seats					
2	14	1	2½	113½	Walls of water cisterns					
2	8	1	1½	35	Do. of urinal do.					
2	9½	1	2	12	Do. of dry-earth store					
2	44	2½	2	29½	Under-channels behind the seats					
				1,391½	Cubic feet, or 51½ cubic yards of brick or stone-in-chunam including one coat of plaster				C. yd. R. ft.	
...	45	...	...	45	Running feet of coping with do.				Each.	
28	1½	1	½	28	Covering stones over openings					
28	2½	4	1	280	Platform, deducting for troughs					
				280	Cubic feet, or 10½ cubic yards brick or stone-in-chunam and tarred over				C. yd.	
28	5	1½	...	252	Troughs and sides					
2	4½	1½	...	110	Channels behind the seats					
2	56	1	...	56	Urinal channels					
2	1½	1½	...	4½	Do. cisterns					
2	3	3	...	18	Water do.					
				440½	Square feet, or 4½ squares of flooring with jelly-in-chunam and asphalted over it half inch thick				Sqr.	
...	50	9	...	450	Passages					
2	50	4	...	400	Centre floor					
				850	Square feet, or 8½ squares flooring with jelly in chunam and tarred over				Do.	
...	500	3	...	1,500	Square feet, or 15 squares of tarring the walls behind the seats, interior pillars, dividing screen walls, front of the platform, dry-earth stores, and the walls of the water and urinary cisterns inside				Do.	
2	55	14	...	1,540	Square feet, or 16½ squares of roofing with jungle-wood bressummers, struts and brackets, purlins, rafters, feather edges, reepers, nails, pot or pan-tiles and chunam borders, etc., complete				Do.	
...	114	2½	...	285	Square feet, or 2½ squares of honeycomb work with brick or tiles in chunam				Do.	
					Sundries, etc., including excavation					
					Total Estimate					

COIMBATORE,
26th November 1872.

(Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
Superintending Engineer, 7th Division.

Numb	Length	Breadth	Depth	Cont	Per	Rate	Amount	Total
12	11	2	2	96				
12	11	1	1	27				
10	87	1	1	108				
4	3	1	1	26				
2	4	1	1	12				
2	23	2	1	7				
2	6	1	1	22				
				342				
12	11	1	1	98				
...	94	3	3	248				
...	4	2	2	7				
16	8	2	2	91				
4	4	2	2	16				
2	7	1	1	8				
2	14	8	4	27				
2	5	4	4	27				
				534				
2	6	...	...	12				
8	1	2	2	8				
8	2	4	1	80				
				90				
...	14	14	...	18				
8	6	...	...	36				
2	20	...	...	20				
2	1	1	...	4				
				78				
2	20	3	...	124				
2	12	3	...	75				
...	14	2	...	33				
				232				
...	163	...	3	549				
...	25	...	26	650				
...	90	...	2	225				
				Total ...				
				Sandries, etc., including excavation and concrete bed for foundation				
				Total Estimate ...				

COIMBATORE,
26th November 1872.

(Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
Superintending Engineer, 7th Division.

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Specification for construction

EXCAVATION.—Excavation to be soil and well-rammed with six inches of

earth System.
ing to the nature of the

FOUNDATION AND BASEMENT.—Rough stone-in-chunam of the dimensions given in the plan should be used.

SUPERSTRUCTURE.—Pillars, walls between them, and troughs behind the seats of the dimensions given in plan to be of burnt bricks or of stone-in-chunam properly bonded, leaving openings to troughs in the interior walls, the exterior screen walls to have six inches coping, and the whole structure to receive one coat of chunam plaster well floated and whitewashed, except the portions where tarred.

HONEYCOMB WORK.—To be of either tiles or bricks-in-chunam over the walls all round and centre to two and a half feet high, as shown in the plan.

COVERING STONES OVER OPENINGS.—To be built in the walls over the openings to the troughs, as shown in the plan.

PLATFORM AND TROUGHS.—To be of burnt brick or stone in chunam, with trough or duct in the centre, sloping both ways, as per section in the plan. The portion used for standing upon the platform to be of stone where such can be economically provided.

ASPHALTE-FLOORING AND TARRING.—The main central trough, under-ducts and the floor inside of the urinary cisterns to be asphalted half inch thick, and all the walls inside and earth-bins to the height of three feet to be paid over with a coat of tar and asphalt, 3 lbs. of tar to 1 lb. of asphalt well-boiled together and applied hot.

JELLY-FLOORING.—The passage everywhere to be floored with three-inch jelly-in-chunam well-rammed and tarred over with the same mixture as above noted.

ROOF.—Roof to consist of good jungle-wood bressummer, pillar caps, rafters with ties, reepers, and feather edge to eaves to be fastened with suitable nails and covered with pan or pot-tiles and chunam borders.

GABLES.—To be left open for ventilation.

All building rubbish to be cleared away from the vicinity of the building after its completion.

COIMBATORE, (Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
26th November 1872. Superintending Engineer, 7th Division.

No. 357. ORDER THEREON, 17th December 1872, No. 2,996.

CIVIL WORKS, No. 19.

ORDERED that these estimates with specification be printed and circulated to District Engineers, and to Municipalities through the Financial Department, with reference to the under-mentioned Orders:—

No. 45, of 17th May 1872.
,, 1,887, of 9th August 1872.

(True Extract.)

W. F. Farewell Colonel, R. E.,
Secretary to Government.

To the District Engineers.
,, Major R. B. Kennedy.
,, the Financial Department.
,, the Revenue do.

Exd. A. S. Rodgers.

PUBLIC WORKS.

THE DISTRICT ENGINEERS,

do. do. do.

Dated December 17th.

Head.

21

Each.

G. O. 17th December 1872 No. 2,906.

DECEMBER.

Nos. 356 357

Latrine.—The estimates with specification for latrine of dry earth system are to be printed and circulated to District Engineers, and to Municipalities through the Financial Department.

J. L.