M.R.O. [illegible]

(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. 230 (W) Press/~~Mis.~~

Dated 7-2 1877.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, *7th February* 1877. *No.* 439.

No. 238. Read the following letter from Major H. M. VIBART, R.E., Officiating District Engineer, Presidency, to Major-General G. W. WALKER, R.E., Chief Engineer and Secretary to Government, Public Works Department, dated Fort St. George, 23rd December 1876, No. 5,038 :—

WITH reference to G.O., No. 191, dated 28th August 1876, I have the honor to submit for sanction plans and estimates for works as per margin.

2. The Surgeon-General, Indian Medical Department, has countersigned the plans and estimates for the two first works in token of his approval. The third estimate, amounting to Rs. 2,730, for new verandahs at both ends of the nine room block, has not been approved of by him, as he states that the verandahs may be omitted at present as they are not absolutely necessary.

4 Plans.
3 Estimates.
3 Specifications.

	RS.
1. Constructing two rooms for violent patients at Lunatic Asylum ...	8,560
2. Do. a lavatory for Europeans at do.	700
3. Do. verandahs	2,730

No. 239. ORDER THEREON, 7th February 1877, No. 439.

HIS GRACE the Governor in Council sanctions the plans and estimates as corrected in the Chief Engineer's Office, aggregating Rupees 9,190, for constructing two wards for violent patients and a lavatory for Europeans in the Lunatic Asylum at Madras.

2. It is observed that the construction of verandahs on the northern and southern ends of the nine room block is not at present deemed necessary by the Surgeon-General, Indian Medical Department.

3. No provision has been made for the work in the Budget of 1877-78. The District Engineer will apply for an allotment of funds from the Provincial Reserve of next year.

4. This sanction has been registered as Provincial No. 233-W of 1876-77.

CIVIL WORKS, No. 15-A.

(*a*) *Heads of Service.*—Provincial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Civil Buildings.
Sub-head.—II, Medical Department.
Section.—iii, Lunatic Asylums.
Name of Work.—Constructing two wards for violent patients and a lavatory for Europeans in the Lunatic Asylum at Madras.
Amount.—Rupees 9,190.
To be carried out by the Public Works Department.

(True Extract.)

(Signed) W. FAREWELL, Colonel,
Acting Joint Secretary to Government.

To the District Engineer, Presidency.
„ Examiner of Public Works Accounts.
„ Public Department.

Exd. A. Grubert.

Spare Copies

(*a*) Heads of Service— Provincial

Fund. Ordinary

Class. Original Works

Main-head. Civil Buildings

Sub-head. H. Medical Department.

Section. iii Lunatic Asylum

Name of Work. Constructing 2 wards for violent patients and a Lavatory for Europeans in the Lunatic Asylum at Madras

Amount. Rs 9190

To be carried out by the P.W. Department.

To be printed in the margin of G.O. No. 439 of 7-2-77.

P.W.D.
26DEC76
No. 9384

1

2

No 3354. 1876.

Dated 13th
Recd 14 December 1876

No 354 of 1876-77

Estimate for constructing a Lavatory for Europeans in the Government Lunatic Asylum amounting to Rs 700

5A

No 354 of 1876-77.

7A

Specification to accompany a plan and estimate for constructing a lavatory at the Lunatic Asylum Madras Vide G. O. No. 191 dated 28th August 1876

Amount of Estimate Rs 700 „

The lavatory is to be 17¾ × 10 and is to have a cistern for containing clean water, two masonry baths and 6 wash-hand basins fixed so as they may be filled and emptied without being removed. The baths & cistern may be filled and emptied from the outside

The walls throughout will be of brick in mortar plastered with two coats of chunam with the exception of 2½ feet next the floor on the inside which is to be Portland cement. The cistern, bath and stands for the wash-hand basins are also to be plastered with Portland cement. The roof is to be made of teak rafters & reepers, flat and pantiles and chunam borders. The door is to be pannelled made of teak. The whole of the wood work is to be painted with Carsons paint. The floor is to be of concrete plastered with Portland cement. There is to be a brick in mortar drain outside to carry the dirty & rain water into the main drain behind the building

Dimensions &c will be found in detail in the plan and estimate.

Fort Saint George
13th ~~November~~ December 1876

A. Milne Supervisor 2d Gr
In charge of Northern Range

H. Cuthbert Nisbet Maj. R.E.
Offg. District Engineer

No. 354 of 1876/77

Head of Service — Provincial
Fund — Do —
Class — Original Work
Main Head — Civil Buildings
Sub Head — Medical Department
Name of Work — Constructing a Lavatory for Europeans near the Nine Room Block of the Lunatic Asylum
Vide G. O. No 191 dated 28th Augt 1876
Amount Rs 700 — —

Detail of Work	No	Measurement in Feet L	B	D	Area or Content	Total quantity of each Description of Work
Concrete under the Bath	1	17 3/4	4 1/2	1 —	79 7/8 ✓	
Do — Basin	1	13 3/4	2	— 3/4	20 5/8	
		Total				101 ✓
Foundation & Basement all round the Building	1	60	1 5/8	6	585	
Superstructure for do.	1	60	1 1/8	12 1/4	826 7/8 ✓	
Gable ends	2	12 1/4	1 1/8	2 1/4	62	
Baths	1	17 3/4	4 5/8	3 1/2	287 3/8	
Basin	1	13 3/4	1 3/4	3 1/4	78 1/4	
					1839 1/2 ✓	
Deduct						
Baths	2	6 —	3 1/2	2	70	
Cistern	1	3 1/2	3 1/2	2 1/2	30 5/8 ✓	
Basin	1	1	1	1	6	
Doors	1	4	1 1/8	7	31 1/2 ✓	
Tiled Venetians spaces	28	1	1 1/8	6 3/4	212 5/8 ✓	
Bulls eyes	2	5	Area	1 1/8	11 1/4 ✓	
					362	
Flat arch					67 3/4	
Circular arch					8 7/16	
		Total			438 3/16	
				Total	1401 5/16 or 1401	

Detail of work	No.	Measurement in feet			Area or Content	Total quantity of each Description of Work
		L	B	D		
Flat arch over doors	1	5½	1⅛	1⅛	7	
do Venetians	1	48	1⅛	1⅛	60¾	
Total					67¾	or 68
Circular arch over the Bulls eyes	2	5	1⅛	¾	8 7/16	or 8½
Square bricks for venetians	28	1	"	7	196	or 196
Cornice work in Mortar	2	15	¾	¾	16⅞	or 17
Roofing the Bath	1	21½	20	"	430	or 4¼
Plastering exterior walls all round	1	64½	"	13¼	854⅝	
Gables in and out	2	12¾	"	4½	114¾	
Interior walls	1	55½	"	10½	582¾	
					1552⅛	
Deduct						
Door	1	4	"	7	28	
Venetians	28	1	"	6¾	189	
					217	
Total					1335⅛	or 13½
Portland Cement (bath)	1	17¾	"	7¼	128 11/16	
Basin	1	13¾	"	4½	61⅞	
Sides of bath	2	16	"	2	64	
Cistern	1	14	"	2½	35	
Bottom of walls	2	3½	"	2½	17½	
Total					307 1/16	or 3
Flooring	1	17¾	3½	"	62⅛	
	1	4	2	"	8	
Total					70⅛	or ¾

11 R

Detail of work	No.	Measurement in feet			Area or Content	Total quantity of each Description of Work
		L	B	D		
Teak rafters	26	10	"-2½	"-4	18-"-8	
Collars	13	9½	"-2½	"-4	8-6-11	
Wall plate	1	36	"-6	"-2	3-"-"	
Eave board	2	23	"-6	"-¾	1-5-3	
Basin planks	2	7	2-"	"-1	2-4-"	
Longitudinal pieces of frames	4	7	"-3	"-2	1-2-"	
Cross	8	3	3	"-2	1-"-"	
Total					35-6-10	
Teak doors	1	4	"	7	28	28
* Leaden pipes	7					7
Paint						
Rafters	26	10	"	⅞	227½	
Collars	13	9½	"	⅞	108 1/16	
Eave board	2	23	"	1	46	
Planks	2	2	7	2	56	
Door	1	4	"	14	56	
Total					493 9/16	
Drain						
Concrete	1	65	1¾	¼	28 7/16	or 29
Masonry bed	1	65	1½	1¼	121⅞	or 122
Plastering Drain	1	65	3	"	195	or 2

Fort St George
13th December 1876

N. Miller Superviser 2nd
Incharge of 1st Range

Compd B 8/12/76
Exd B 12/12/76

Major R.E.
Offg. District Engineer
Presidency

No 353 of 1876-77

13R

Head of Service — Provincial
Fund — do —
Class — Original Work
Main Head — Civil Building
Sub Head — Medical Department
Name of work — Constructing new verandahs on both ends of the nine room block of the Lunatic Asylum.
Vide G. O. No 991 dated 28th August 1876
Amount Rs 2730 — „ —

Contents	Description of Works	Rate Rs As Ps	Per	Amount Rs As Ps	Total Rs As Ps
✓ 885	Cft Brick work in mortar	„ 2 6	Cft	138 4 6 ✓	
✓ 152	— „ — Circular arch in — do.	„ 3 10	„	36 6 8 ✓	
✓ 43	— „ — Cornice work in — do	„ 3 6	„	9 6 6 ✓	
✓ 3¼	sqr Terracing with brick on edge in chunam 3" jelly 3 courses flat tiles and plastering 3 coats of chunam for the ceilings & portland Cement for the top of the terrace	29 9 „	sqr	96 1 3 ✓	
✓ 12 1/8	— „ — Plastering the walls with 2 coats of chunam	2 6 „	„	28 12 9 ✓	
✓ 1	— „ — do Cornice — do	3 10 „	„	3 10 „ ✓	
✓ 3¼	— „ — Flooring with 3/4" thick asphalte and 5" Jelly and levelling course underneath	23 4 „	„	75 9 „ ✓	
26-8-6	Cft Teak wrought and put up	3 1 „	Cft	81 12 8 ✓	
✓ 2	sqr Carsons lead color paint for joists (3 coats)	2 10 „	sqr	5 4 „ ✓	
✓ 56	Rft Zinc trunks 4" Do	„ 7 3	Rft	25 6 „ ✓	
✓ 4	Granite stones under the do	„ 8 „	Eᵃ	2 „ „ ✓	
✓ 4	Leaden Shoots	2 14 „	„	11 8 „ ✓	

Carried Over — 514 11 4

Content	Description of Work	Rate	Per	Amount	Total
	Brought Over			514 11 4	
	Excavating foundation and levelling the ground	" " "		7 " "	
	Sundries			28 4 8	
	For North Verandah			550 " "	
	For South — do			550 " "	
					1100
357	cft Brick work in mortar	" 2 6	cft	55 12 6	
6¼	— Flat arching do	" 3 10		1 4 10	
4½	sqr Plastering the walls with 2 Coats of chunam	2 6 "	sqr	10 11 "	
¼	— Flooring with ⅝ thick Asphalt for the closets	18 " "		4 8 "	
42	cft Teak pannelled door with extra strong teak frames fitting complete	1 " "	cft	42 " "	
42	— Iron grated door with extra strong fittings but no frames	2 " "		84 " "	
2	Night Stool complete	40 " "	6	80 " "	
2	Masonry urinary — do	2 " "		4 " "	
2	Leaden pipes 10 ft long 2" do	7 " "		14 " "	
1	sqr Carson paint 3 Coats for doors &c			2 15 "	
½	5 do — Black do for iron bars	2 15 "		1 7 6	
4	Cost opening doorways in the wall and plastering complete	2 8 "	6	10 " "	
	Excavating foundation			1 " "	
	Removing existing Structure and Sundries			18 5 2	
	For 2 Closets Rupees			330 " "	
	For 7 — do — do			1155 " "	
					1485 " "
	Carried Over				2585 " "

15 A

Contents	Description of work	Rate	Per	Amount	Total
		Rs as p		Rs as p	Rs as p
	Brought Over				2585
7½	sqr Asphalting the Verandah	18 " "	sqr	135 " "	
	Removing the present floor and Sundries	" " "		10 " "	
					145 " "
	Grand Total Rupees				2730 " "

Fort St. George
7th December 1876

A. Pitel Supervisor 2 Gr
Incharge of Northern Range

Compd B 8/12/76
Exd B 12/12/76

Major R.E.
Offg. District Engineer
Presidency

Dated 13th } December 76
Recd do }

No 353 of 1876-77

Estimate for constructing new verandahs on both ends of the nine room block of the Lunatic Asylum.

Amounting to Rs 2730—

No 353 of 1876-77

178

Head of Service — Provincial
Fund — do —
Class — Original Works
Main Head — Civil Building
Sub Head — Medical Department
Name of Work — Constructing new verandahs on both ends of nine room block of the Lunatic Asylum
Vide G. O. No 191 dated 28th August 1876.
Amount Rs 2730—

Detail of work	No	Measurements in feet			Area or Contents	Total quantity of each description
		L	B	D		
Verandah throughout	1	52	3	6	936 ✓	
Basement do	1	52	2	2	208 ✓	
Superstructure do	1	52	2	2	208 ✓	
Binding wall	1	52	1½	1	78 ✓	
					1430 ✓	
Archways }	3	8	1½	7	252 ✓	
	2	6½	1½	7¼	141⅜ ✓	
Circular arch for do }	3	14½	1½	1½	97⅞ ✓	
	2	12	1½	1½	54 ✓	
					545¼ ✓	
Total Brick in mortar					884¾	or 885 ✗
Circular arch in do						152 ✗
Cornice work in mortar	1	57	1	¾	42¾	or 43 ✗
Verandah	1	34½	9½	..	327¾	or 3¼ ✗
Exterior walls	1	55	..	13¾	756¼ ✓	
Interior do	1	49	..	11	539 ✓	

Detail of Work	No	Measurement in Feet L	B	D	Area or Content	Total quantity of each Description of Work
Binding walls	1	52	"	3½	182	
					1477¼	
Archways	3	8	"	7	168	
	2	6½	"	7¼	94¼	
					262¼	
Total					1215	or 12⅛
Plastering Cornice	1	57	1¾	"	99¾	or 1
Verandah	1	33	8	"	264	
Between Archways	3	8	1½		36	
	2	6½	1½		19½	
Total					319½	or 3¼
Teak						
Joists	23	10	¼	5/12	23-11-6	
Wall plate	1	33	½	1/6	2-9-0	
Total					26.86	26-8-6
Joists	1	23	8	1-1	199-4	or 2
Trunks	4	14			"	56
Granite stones	4				"	4
Leaden Shoots	4				"	4
Exterior and cross walls	1	20½	1¾	4	143½	
Superstructure do	1	20½	1	11	225½	
					369	

Detail of Work	No	Measurement in Feet L	B	D	Area or Content	Total quantity of each Description of Work
				198	369	
Openings	2	1½	1	2	6	
Flat arch for do	2	2½	1	1¼	6¼	
					12¼	
Total Brick in Mortar					356¾	or 357
Flat arch in do						6¼
Exterior wall	1	19	"	11	209	
Interior do	2	10½	"	11	231	
Total					440	or 4½
Closets	2	3½	3½	"	24½	or ¼
Teak door	2	3	"	7	42	42
Iron do	2	3	"	7	42	42
Night stool	2	.	"	.	2	2
do	2	"	"	"	2	2
Leaden pipes	2	10	"	"	20	20
Flooring Verandah						
Verandah	1	106	3½	"	371	
	9	8	1½	"	108	
	4	13	4½	"	234	
	1	6	4½	"	27	
					740	or 7½

Fort St George
8th December 1876
#131

H. Cle[illegible] Rebell Major
Offg. Dist Engineer
Presidency

A. Michel Supervisor Dr
In charge of Northern Range

Compd. [illegible] 8/12/76
Exd [illegible] 8/12/76.

21P

No. 352 of 1876/77

Head of Service — Provincial
Fund — Do.
Class — Original Work
Main Head — Civil Building
Sub Head — Medical Department

Name of work — Constructing 2 Rooms for Violent Patients of the Lunatic Asylum Vide G. O. No. 191 dated 28th August 1876
Amount Rupees 8560 " "
To be carried out

Contents		Particulars	Rate Rs A P	Per	Amount Rs A P	Total Rs A P
1551$\frac{2}{3}$	Cft	First class fields brick work in mortar	" 2 11	Cft	2827 14 3	
526$\frac{1}{2}$	Cft	Circular arch in — Do —	" 3 10	"	126 2 3	
913	Cft	Brick in Portland cement	" 6 5	"	366 2 5	
335	Cft	Cornice work in mortar	" 3 6	"	73 4 6	
~~26$\frac{1}{4}$~~ 24$\frac{1}{4}$	Sqr	Terracing with brick on edge in mortar 3" Jelly 2 Courses of flat tiles & plastering the ceiling with Portland cement	32 8 "	Sqr	853 2 "	
87$\frac{1}{2}$	Sqr	Plastering the exterior walls and interior of Verandahs with 2 coats of chunam	2 6 "	"	207 13 10	
44$\frac{3}{4}$	Sqr	Plastering the interior of rooms with Portland cement	5 11 "	"	254 8 3	
7	Sqr	Plastering the cornice with 2 coats of chunam	3 10 "	"	25 6 "	
24$\frac{1}{2}$	Sqr	Flooring with Portland cement & 3" Jelly & levelling course of flat bricks underneath	10 15 "	"	267 15 6	
315.7	Cft	Teak wrought and put up	3 1 "	Cft	966 7 7	

Carried Over Rs 5968 12 7

This Estimate has been passed
for Rs 8429 & registered in Provincial
No. 233 [illegible] of [illegible]
BJ

Contents		Particulars	Rate Rs	A	P	Per	Amount Rs	A	P	
		Brought Over					~~5918 12 7~~			
144	Sft	Teak pannelled doors with extra strong frames & fittings complete	1	.	.	Sft	144	.	.	
144	Sft	Iron grated doors with fittings but no frames	2	.	.	"	288	.	.	
296	Sft	Iron grated windows with teak frames but no Shutters	1	2	.	"	333	.	.	
67½	Sft	Iron grated a[illegible] — Do	1	1	.	"	71	11	6	
180	Sft	Teak weather Boards complete	.	8	6	"	95	10	.	
44¾	Sqrs	Three coats of Carsons paint for interior of main & back rooms	3	4	.	Sqr	145	7	.	
29½ 28¼	Sqrs	Carson's Stone color for joints beams, doors, & windows	3	.	.	"	84	12	.	
5	Sqrs	Carsons black paint 3 coats for all iron works	2	15	.	"	14	11	.	
2		Cost for constructing masonry cistern 6×8 interior & plastering with cement	7	.	.	E	14	.	.	
2		Night Stool made of ¼" boiler plate fixed in granite including all charges	40	.	.	E	80	.	.	
2		Masonry Urinals complete	2	.	.	E	4	.	.	
22		Leaden Elbows 3½ ft long & 4" Dia	2	14	.	E	63	4	.	
288½	Rft	Zinc trunks 4" Dia	.	7	3	Rft	130	11	7	
22		Granite Stones under the trunks	.	8	.	E	11	.	.	
4		Do Do beams	2	8	.	"	10	.	.	
300	Rft	Masonry drain plastered with cement complete	.	9	.	Rft	168	12	.	
360	Cyds	Excavating foundation & levelling the ground	.	2	.	Cyd	45	.	.	
6		Leaden pipes 3 ft long & 2" Dia	2	.	.	E	12	.	.	
		Sundries	.	.	.		375	4	4	8060 7990
367	Cft	Brick in mortar	.	2	6	Cft	57	5	6	
21¾	Sqrs	Plastering the walls with 2 coats of chunam	2	6	.	Sqr	5	5	6	
							62	11	.	~~8060~~ 7990

Carried Over

No 353 of 1876-77.

Specification to accompany a plan and estimate for improving the nine room block of the Lunatic Asylum.

Amount of Estimate Rs 2,730-.-

At present there is but one door to each room and no other means of ventilation but a small window near the roof. It is proposed to remove the small room at the back at present used ~~for~~ to keep a night chair and to put up a new one to one side of the room so as to allow of a door being put on one side that through ventilation may be obtained.

The walls are to be brick in mortar plastered with two coats of chunam. The door is to be double, one side being pannelled and opening inwards and the other iron barred opening outwards; both to be painted with Carsons paint. The night chair is to be of boiler plate iron so fixed that it may be cleaned from the outside. A pipe is to lead from the urinary to a bucket outside the basement.

Dimension will be found in detail in the plan and estimate.

Fort St George
~~1st~~ 7/12 December 76

A. Mulue Supervisor & Dr
Incharge of N. Range

Majr RE
Offg. District Engineer [illegible]

Contents	Particulars	Rate Rs A P	Per	Amount Rs A P	Total Rs A P
	Brought Over	" " "	"	62 11 "	8060 " "
√ 1 Sqr.	Granite covering Stones 6" thick	29 8 "	C	29 8 "	
	Excavating foundation filling in & levelling the ground	" " "	"	2 8 "	
	Sundries	" " "	"	5 5 "	
	For one Funnel Rupees			100 " "	
	For another Do Do			100 " "	
					200 " "
√ 52 Sqr.	Laying road with 5" jelly & gravel & levelling course underneath	5 8 "	Sqr.	286 " "	
	Sundries	" " "	"	14 " "	
					300 " "
	Total Rupees				8560 " "

Fort Saint George
21st December 1876

A. Mitell Supervisor D.P.W.
In charge of Northern Range

Majr. R.E.
Offg. District Engineer
Presidency

Geo Smith MD
Surgeon General MD

Compd. B 8/12/76
Exd. B 12/12/76

No 2554 . 1876 .

Dated 13th } December 1876
Abd 11

No 352 of 1876/77

Estimate for constructing 2 Rooms for Violent Patients of the Lunatic Asylum Amounting to Rs 856 —

No 354 of 1876/77

25A

Head of Service — Provincial
Head — Do —
Class — Original Work
Main Head — Civil Buildings
Sub Head — Medical Department

Name of work — Constructing a Lavatory for Europeans near the Nine room Block of the Lunatic Asylum

Vide G. O. No 191 dated 28th August 1876

Amount Rupees 700 —

To be carried out

Contents		Description of works	Rate	Per	Amount	Total
√ 101	Cft	of brick & mortar concrete	" 2 3	Cft	14 3 3	
1401	"	Brick in mortar	" 2 6	"	218 14 6	
68	"	Flat arch in Do	" 3 4	"	14 2 8	
8½	"	Circular arch in Do	" 3 10	"	2 " 7	
196	Sft	Imitation of Venetians in brick work	" 2 6	"	30 10 "	
√ 17	Cft	Cornice work in mortar	√ " 3 6	Cft	3 11 6	
√ 4¼	Sqrs	Roofing with flat and pan tiles chunam borders & teak reepers	18 2 "	Sqrs	77 " 6	
√ 13½	Sqrs	Plastering the walls with 2 coats of chunam	2 6 "	"	32 1 "	
√ 3	Sqrs	Plastering part of walls & cistern with Portland cement	5 11 "	"	17 1 "	
√ ¾	Sqrs	Flooring with Portland cement and 3" Jelly & levelling course	10 15 "	"	8 3 3	
35-6-10	Cft	Teak wrought and put	3 1 "	Cft	108 14 10	
√ 28	Sft	Teak pannelled door with frames and iron fittings complete	" 14 "	Sft	24 8 "	
√ 7		Leaden pipes 2 feet long 2" diameter	2 8 "	E.	17 8 "	
√ 5	Sqrs	Carsons lead color for all wood work	2 15 "	Sqrs	14 11 "	
80	Cyds	Excavating foundation and levelling the ground	" 2 "	Cyd	10 " "	
		Carried Over Rs			593 10 1	

Passed for Rs 700 + registered as Contingent No 23 of 1876-77

Content		Description of work	Rate	Per	Amount	Total
			Rs a p		Rs a p	Rs a p
		Brought over Rs			593 10 1	
		Cost of constructing 3 Masonry water basins plastered in P. Cement	" " "		5 " "	
6		Wash hand basins with brass fittings fixed complete	5 " "		30 " "	
		Sundries	" " "		34 5 11	
						663 " "
		Do				
29	Cft	Concrete in Brick in mortar	" 2 3	Cft	4 1 3	
122	Cft	Brick in mortar	" 2 6	"	19 1 "	
2	Sqrs	Plastering the interior walls with Portland cement	5 11 "	Sqrs	11 6 "	
		Excavating foundation & filling and levelling the ground	" " "		1 " "	
		Sundries	" " "		1 7 9	
						37
		Total Rupees				700

Fort Saint George
13th December
November 1876

A. Michel Supervisor D.P.W.
In charge of Northern Range

Comptd B 8/12/76
Exd B 12/12/76

[illegible]

[illegible] Major R.E.
Offg. District Engineer
Presidency

[illegible] MD
Surgeon General I.M.D.

No 352 of 1876-77

Specification to accompany a plan and estimate for two rooms for violent patients of the Lunatic Asylum Madras

Amount of Estimate Rs 8560 " "

The walls throughout will be brick in mortar with the exception of 1½ feet all round the doors and windows which is to be brick in Portland Cement. The whole of the interior of the walls is to be plastered with cement and the exterior with two coats of chunam

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The flooring is to be made of cement laid over concrete.

The roof is to be terraced in the ordinary way having teak joists

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All are to be made of teak. The doorways are to have two doors, one pannelled and the other iron barred. The windows in the two large rooms are to be iron barred without shutters and are to be on the same level as the floor.

The whole of the wood work and iron work is to be painted with 3 coats of Carsons paint as well as the interior of the two large rooms and the two bath rooms.

The night seat is to be boiler plate set in Granite Stone in such a way as the cleaning way

6

may be done from the outside. The bath is to be so arranged that it may be filled or emptied from the outside

Dimensions will be found in detail in the plan and estimate

Fort Saint George
14th December 1876

A. Mitchel Supervisor D.P.W.
Incharge of Northern Range

Major R.E.
Offg: District Engineer
Presidency

P.W.D.
28DEC76
No 9384
8

No 352 of 1876-77

Head of Service — Provincial
Fund — do
Class — 2 — Original Work
Main Head — Civil Building
Sub Head — Medical Department
Name of work — Constructing 2 rooms for Violent Patients of the Lunatic Asylum. Vide G. O. No 191 dated 28th August 1876.
Amount Rs 8560 — —

Detail of work	No	Measurement in Feet			Area or Contents	Total Quantity of each Description of Work
		L	B	D		
Foundation & Basement						
All round the two centre rooms & a partition wall	1	143	2 3/4	8	3146	✓
All round the bath rooms	2	46 1/4	2 3/4	8	2035	✓
Verandah all round the front and rear	1	152 1/2	2 3/4	8	3355	✓
Steps	2	28	2	2	224	✓
Superstructure						
All round the two centre rooms and a partition	1	143	1 1/2	20 3/4	4450 7/8	✓
All round the bath rooms	2	46 1/4	1 1/2	15 3/4	2185 5/16	✓
Verandah all round the front and rear	1	152 1/2	1 1/2	15 3/4	3602 13/16	✓
Parapet over the terrace of the centre rooms all round	1	125	1 1/2	1 1/4	234 3/8	✓
Parapet all round the verandah	1	209	1 1/2	1 1/4	391 7/8	✓
Binding wall	1	36	1 1/2	1	54	✓
					19679 7/8	

Detail of work	No.	Measurement in Feet			Area or Contents	Total quantity of each Description of work
		L	B	D		
					1967⅞ ✓	
Archways in front and rear Verandahs	6	12	1½	10½	1134 ✓	
do Rear — do	2	12	⅜	10½	94½ ✓	
do Side — do	4	10	1½	10½	630 ✓	
2 Arches and 10 Doors	12	4½	1½	8	648 ✓	
Windows	4	4	1½	5	120 ✓	
Attick — do	10	4½	1½	1½	101¼ ✓	
Circular arch					526½ ✓	
Brick in Portland Cement					912¾	
					4167	
		Total			15512⅞	or 155⅛ ✓
Circular arch over front & rear archways	8	20½	1½	1½	369 ✓	
Side — do	4	17½	1½	1½	157½	
		Total				526½ ✓
Brick in Portland cement around doors	10	23½	1½	1½	528¾ ✓	
do Windows	4	24	1½	1½	216	
do Attick — do	10	15	1½	¾	168¾ ✓	
		Total			912¾	or 913½ ✓
All round the two main rooms	1	136	1¼	1	170 ✓	
do Verandah	1	220	1	¾	165 ✓	
		Total				335 ✓
Two main rooms	1	43	~~9½~~ 20½		~~833½~~ 861 ✓	
Front & rear verandahs and 2 bath rooms	1	170	~~10½~~ 9¼		~~1785~~ 1572½ ✓	
		Total			~~2602½~~ 2433½	or ~~26¼~~ 24½ ✓

Detail of work	No	Measurement in Feet			Area or Contents	Total quantity for each description of work
		L	B	D.		
Exterior all round	1	215	"	18	3870 ✓	
Interior front and rear verandah	1	299	"	15	4485 ✓	
Main room (Exterior)	1	131	"	5	655	
Parapet over main building and verandah	1	334	"	4	1336 ✓	
1 Binding wall	1	36	"	4	144	
					10490 ✓	
Archways in front & rear Verandahs	6	12	"	10½	756	
Side Arches in do	4	10	"	10½	420	
2 Arches and 10 Doors	12	4½	"	8	432	
Windows	4	4	"	5	80	
Attick — do	10	4½	"	1½	67½ ✓	
					1755½ ✓	
		Total			8735	or 87½ ✓
Plastering with Portland Cement the Interior of main rooms	2	76-0	20	"	3040	
1 Baths	2	47-6	15	"	1425 ✓	or 44¾ ✓
					4465	
Cornice for main building	1	136	"	2¼	306 ✓	
— do Verandah	1	220	"	1¾	385 ✓	
		Total			691	or 7 ✓
Main rooms	2	20	18	"	720 ✓	
1 Baths	2	14¾	9	"	265½	
Front & rear verandah	1	131½	9	"	1183½ ✓	
Archways	1	112	1½	"	168 ✓	
Step	2	28	2	"	112 ✓	
					2449	or 24½ ✓

Detail of work	No	Measurement in Feet L	B	D	Area or Contents	Total quantity of each Description of work
Wall plates under the joists	1	395	..-6	..-2	32-11-	✓
Beams for main rooms	2	20	..-10	1-3	41-8-	
Joists for do	26	22	..-3	..-6	71-6-	
do Baths	22	11	..-3	..-6	30-3-	✓
Bressummer for Verandah	2	11	..-9	..-9	12-4-6	
Joists do	90	11	..-3	..-6	123-9-	✓
Planks between joists or over the beams of main rooms & Verandahs	1	100	..-6	..-¾	3-1-6	
Total					315-7-	315-7- ✗
Teak pannelled doors	4	4½	"	8	"	144 ✓
do grated do	4	4½	"	8	"	144 ✓
do do Windows	6	4½	"	8	216	
do do Windows	4	4	"	5	80	296 ✗
Attick windows or Ventilator	10	4½	"	1½	67½	67½ ✗
Weather boards	10	6	3	"	"	180 ✓
Stone color painting of Beams in Main rooms	2	18	"	3-4	120-- ✓	
Joists in do	26	17	"	1-3	552½ ✓	
do in Bath	22	9	"	1-3	247½ ✓	
Bressummer in Verandah	2	9	"	2-3	40½ ✓	
Joists in do	90	9	"	1-3	1012½ ✓	
Planks over the beams	1	100	"	..-6	50 ✓	
Weather boards	10	6	6	"	360 ✓	
Frames of grated doors	10	25-"	1-"	"	250 ✓	
do do windows	4	18-"	1-"	"	72 ✓	
do Attick do	10	12-"	1-"	"	120 ✓	
Pannelled doors	4	4½	"	8	~~16~~ 144 ✓	
					~~2825~~ 2969	or ~~28¼~~ 29½ ✗

Detail of work	No	Measurement in Feet L	B	D	Area or Contents	Total quantity of each Description of work
Black paint for grated iron work	10	4½	"	8	360 ✓	
— do — windows	4	4	"	5	80 ✓	
— do — atticks	10	4½	"	1½	67½	
					507½	or 5 ✗
Zinc trunks	14	17¾	"	"	248½ ✓	
do	8	5	"	"	40 ✓	
						288½ ✗
Leaden elbows	22					22
Road	1	650	8	"	5200	or 52 ✓
Drain	1	300	"	"	.	300
Culvert						
Bed for Tunnel	1	20½	5-"	1½	153¾ ✓	
do at Wings	2	3¼	5¾	1½	56 1/16 ✓	
Superstructure side walls	2	20½	1¼	1½	76⅞ ✓	
Face walls	2	4½	3	1¼	33¾ ✓	
Wings	4	1½	3½	1¼	26¼ ✓	
Over covered granite stones	1	18	4½	¼	20¼ ✓	
Total					367	367 ✓
Plastering						
Bottom & side of tunnel	1	20½	5	"	102½ ✓	
Wing sides	8	1½	3½	"	42 ✓	
do Top	4	4½	1¼	"	22½ ✓	
Face wall between wings	2	2	2	"	8 ✓	
do Top and 2 sides	2	4½	4½	"	40½ ✓	
do Ends	4	2	1½	"	12 ✓	
					227½	or 2¼ ✗
Covering stone	1	20½	4½	"	92¼	or 1 ✗

Fort St George
9th Dec. 1878

A. Mitchel Supervisor &c
In charge of N. Range

[illegible] Nisbet
Major

Compd B 8/12/78 Offg [illegible] Engineer [illegible]

No: 5038,

35A

From,

The Offg. District Engineer
Presidency.

To,

The Chief Engineer, and
Secretary to Govt. P.W.D.

Encls:
4. Plans.
3. Estimates.
3. Specifications.

1. Constructing 2 Rooms for Violent Patients at Lunatic Asylum — 3 Rs 8560.
2. — do — a Lavatory for Europeans at — do — 3 " 700.
3. — do — Verandahs ——— " 2730.

Sir,

With reference to G. O. No: 191 Df. 28 August 1876, I have the honor to submit for Sanction plans and estimates for works as per margin.

2. The Surgeon General I.M.D. has countersigned the plans and estimates for the two first works in token of his approval. The 3rd. estimate amounting to Rs 2730 for new verandahs at both ends of the nine room block has not been approved of by him, as he states that the verandahs may be

be omitted at present – as they are not absolutely necessary.

I have the honor to be
Sir,
Your most obedient servant

H. Hutchinson Vibart Maj R.E.

Offg. District Engineer
Presidency

Fort St. George
23. Decr: 1876.

Geo. L.
J.

P.W.D.
26DEC76
No. 9384

The Dist. Engineer
Presidency

To
The Chief Engineer

5038.

Dated 23 Decr /76
Recd
Encl. 4 No. 5038
Submits for sanction
Estimates for works
mentioned within in
the Lunatic Asylum

4 Plans

G.O. 28 Aug/76 No 191

No 236

G.O. 6.2.77

No 439 39P

Civil Works

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7 Feb/77

Read the following :—

From
The Dist. Engr. Presidency (H.C. No. 5038 d/23rd Decr. 1876)

His Grace the Governor in Council sanctions the plans and estimates as corrected in the Chief Engineer's Office aggregating Rs 9190 for constructing 2 wards for violent Patients and a Lavatory for Europeans in the Lunatic Asylum at Madras.

2. It is observed that the construction of verandahs on the northern and southern ends of the nine room block is not at present deemed

No 9384

Govt. of (1877) Madras.

PUBLIC WORKS.

To the D. E. Presidency

Dated 9-2-
Issued
Recd.
Encl.

G. O. 7th Febr. 1877, No. 439

Nos. 238-39

Lunatic Asylum at Madras. - The plans and estimates aggregating Rs 9,190 for constructing 2 wards for violent patients and a Lavatory for Europeans in the —, sanctioned with remarks.

Entd in Regr.