M.R.O. 1—77,006—3-6-37.

(1) Number of pages 16

(2) Date of repair 24-7-92

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 950 Press ~~Mis.~~

119-120

Dated 5-1-63 1862.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 5th May 1862.

No. 119. Read the following Proceedings of the Madras Government in the Military Department, dated 25th April 1862, No. 1,484.

Approving of the estimate for constructing a building of two floors to be used as a Malt Liquor Store by Commissariat Department. } (Vide Military Proceedings, 25th April 1862, Nos. 488-489.)

No. 120. ORDER THEREON, 5th May 1862, No. 950.

Communicated to the Acting Deputy Chief Engineer, Central Circle, who is requested to report the source from which the sum of Rupees 1,740 (being the difference between the estimated* amount and that† provided for in the Budget of 1862-63) is to be obtained.

* Rupees 10,380.
† „ 8,640.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government.

Abstract Estimate No. 371 of 1861

District Presidency

Work. For erecting a store room for Malt liquor w
upper story covered with a Truss Roof and supplied with
Crane &c. Complete for the use of the Commissariat Depa

Quantity	Description of work	Rate			Quantity
1034	Brick work in chunam	"	2	5	
35	Flat arch work in chunam over the 2 doors	"	3	1	
55½	Relieving arch work in chunam over the flat arch of the door way	"	3	10	
135	Segmental arch work in chunam over the 8 windows	"	3	10	
4½	Cornice work in chunam to the Gate Piers	"	3	5	
2812	Sq.ft Terracing with brick on edge Jelly 3 ins thick and rubbed over and plastering with 3 coats chunam to the ceiling	13	14	1	
6000	Sq.ft Plastering with 2 coats chunam to the walls &c.	2	"	6	
2564	do Flooring with Granite stones in chunam 5 ins thick of 1 line dressed and fitted in close and a levelling course of 3 Sort wall bricks underneath	26	8	1	

Quantity

16 Sq.ft.

2280 do

5827--3

Estimate

Description of work		Rate		Amount		Total
	Brought Over			2871	5	1
Firing granite stones in chunam over the drain across the street	22	"	"	10	1	11
Laying road with laterite stone jelly in clay and gravel 5 ins thick and well beaten down with water in the yard at the front of the shed	2	2	13/4	48	10	6
Excavating the foundation and levelling the earth	"	"	"	15	"	"
Laying planks and nails over the beams between the joists	"	"	"	53	12	"
Teakwood wrought and put up	3	10	"	2111	13	10
Daily hire for splicing the beams at the bearings and rivetting in the bolts & nuts &c including materials	"	"	"	22	8	"
Pair batten doors with frames hooks hinges and bolts &c. Complete	39	8	6	79	1	"
Pairs batten window shutters with frames hooks hinges and nails &c Complete	16	"	"	96	"	"
Pairs Do Do with iron bars &c complete	20	4	8	40	9	4
Pair framelled railing gate door with hinges nails & iron friction wheels with holders &c Complete	"	"	"	77	15	6
Granite blocks with iron revetted hooks fixed in lead for gate shutters	3	8	"	24	"	"
Covering with granite stone in chunam 4 ins thick one line dressed and fitted in close including bed in masonry underneath the same for running the wheel of the gate shutter	"	"	"	4	12	"

Quantity	Description of work	Rate		Quantity	
	Brought Over				2 [illegible]
	Wood oil 3 coats to the joists and beams	"	"		Cwt
	Red paint 3 coats to the doors and windows	"	"		
	Sundry charges and scaffolding &c	"	"		Pay
	No 2				Red
	Upper Story				Sun
3306	Brick work in chunam	2	6		
133⅓	Cornice work in chunam	3			
168⅔	Segmental arch work in chunam	3		199½	Bri
2926	Principal roof with flat and pantiles & chunam borders	9	5	260	Pla
1323	Roofing with flat and pantiles and chunam borders to the ridge Ventilators	9	5	150	Pav
3850	Plastering with 2 coats chunam to the walls &c	2	"		
222-3-14	Teakwood wrought and put up including iron bolts and nuts &c	3	12	120	Ston
3478	Roofing with palmirah rafters and nails	7	"		Ston
1260	Roofing with palmirah couples and nails	9	5		
4618	Lining teakwood reepers and nails over the rafters of the roof	10	"	90	Wo
	Daily hire for splicing the tie beams at the bearings and revetting in the bolts and nuts &c	"	"	90	H

Description of work		Rate	Amount		Total	
Brought Over			3361	10	11	5790
ine shoots at each extremity of Valley gutter fixing included	1	"	2	"		
¾ ton iron Crane with Crab chain &c complete to be procured from England	"	"	500	"		
ing tar 2 coats to the roof &c	"	"	50	"		
paint 3 coats to the windows &c	"	"	8	"		
dry charges and scaffolding &c	"	"	1985	1	4120	
No 3						
Constructing 2 Tramway in the room of the Grand floor						
ick work in chunam	"	25	30	"	6	
tering with 2 Coats Cement Chunam	2	2½	5	3	9	
ing the floor with 2" line dressed 9" granite stone in Chunam including a levelling course of 3½ St. wall bricks underneath	61	2	3	91	11	4
Cutters Cooly hire for cutting and making groove of 3" deep by 3" broad for fitting in the rails	"	8	"	60	"	"
Cutters Cooly hire for making 90 holes in the above granite stone for fitting in the rails with nails &c	"	1	"	5	10	"
den pegs of 3 inches long by 1¾ inches diameter each made of palastick	"	"	21	1	4	"
eaded iron nails of 3 inches long each	"	"	6	2	13	"
ters Cooly hire &c for fitting and joining 16 iron bridge rails of 8 feet long each into the grove of the granite stone including nails & plugs &c	"	1	"	1	"	"
bridge railings of 3½ inches broad	"	"	57	11	4	"
tracks Complete	100	"	"	200	"	"
vating the foundation and removing the earth	"	"	"	3	8	"

No 371 of 1861-62

For erecting a Store room for Malt liquor with story covered with a Truss roof and supplied with an iron Cra the use of the Commissariat department.

Amount of Estimate Rupees Ten thousand three thirty. Comprising the following items

Quantity	Description of work	Rat	
	No 1		
	Lower Story		
10340	Brick work in chunam	"	
35	Flat arch work in chunam over the 2 doors	"	
52½	Relieving arch work in chunam over the flat arch of the door way	"	
135	Segmental arch work in chunam over the 8 windows	"	
4½	Cornice work in chunam to the gate piers	"	
2701 / 2812	Terracing with brick on edge jelly 3 ins thick and rubbed over and plastering with 3 coats chunam to the ceiling	13	
6000	Plastering with 2 coats chunam to the walls &c	2	
2564	Flooring with granite stones in chunam 5 ins thick of 1 line dressed and fitted in close and a levelling course of 3½ sort wall	26	

Quantity

Ex

5827-

Co

Fl

Carried over ... 5790 " "

Bending charges and scaffolding — " " 2814-7-10 5790 " "

Wood 3 coats to doors and windows 152-2-10 18 " "

Wood & coats to posts and beams " " 40 " "

Make castles and moulds " " 1 9 " 4 11 "

Description of work	Quantity	Rate	Amount	Total
Brought Over				2881 7 -
Laying road with laterite stone jelly in clay and gravel 5 ins thick and well beaten down with water in the yard at the front of the shed	2	21¼	18 10 6	
Excavating the foundation and levelling the earth			15 " "	
Laying planks and nails over the beams between the joists			53 12 "	
Teakwood wrought and put up		3 10 "	211 13 10	
Body hire for splicing the beams at the bearings and rivetting in the bolts and nuts &c including materials			24 8 "	
Pair batten doors with frames hooks hinges and bolts &c complete		39 8 6	79 1 "	
Pair batten window shutters with frames hooks hinges and nails &c complete		16 " "	96 " "	
Pair Do Do with iron bars &c complete		20 4 8	40 9 4	
Pair panelled rasling gate door with hinges nails and iron friction wheels with holders &c complete			77 15 6	
Granite blocks with iron rivetted hooks fixed in lead for gate shutters		3 8 "	14 " "	
Flooring with granite stone in Chunam 6 ins thick 1 line dressed and fitted in close including bed in masonry underneath the same for running the wheel of the gate shutter			4 12 "	
Centre curb granite stone with rabbit and making hole for receiving bolt for fitting up the Gate shutter			1 4 "	

Description of work	Quantity	Rate	Amount	Total
Brought Over				- -
No 2				
Upper Story				
3306 Brickwork in Chunam			2	
133⅞ Cornice work in Chunam			3	
168¾ Segmental arch work in Chunam			3	
2926 Principal roof with flat and pantiles and Chunam borders			9 5	
1323 Roofing with flat and pantiles and Chunam borders to the ridge Ventilators			9 5	
3850 Plastering with 2 coats Chunam to the walls &c			2 "	
222-3-1½ Teakwood wrought and put up including iron bolts and nuts &c			3 12	
3478 Roofing with palmirah rafters and nails			7 "	
1260 Roofing with palmirah Couples and nails			9 5	
4618 Lining teakwood reepers and nails over the rafters of the roof			10 "	
Body hire for splicing the tie beams at the bearings and rivetting in the bolts and nuts &c including materials			" "	
170 Moulding work			3	

7 Oak bondmarks 9 inches 7 ins thereof thick finished and carting	10380	"	"	
Carting charges &c			23 3 3	470 " "

Description of work		Rate		Amount		Totals	
Brought Over				3363	10 11	5790	-
¾ ton iron Crane with crab chain &c complete to be procured from England	—	"	"	500	" "		
ing tar 2 coats to the roof &c	—	"	"	50	" "		
nd paint 3 coats to the windows &c	—	"	"	8	" "		
ndry charges and scaffolding &c	—	"	"	198	5 1	4120	
№ 8							
Constructing a Trainway in the room of the ground floor							
rickwork in chunam	—	"	2 5	30	" 6		
astering with 2 coats cement chunam	—	2	" 2½	5	3 9		
ring the floor with 2 line dressed 9" granite stone in chunam including a levelling course of 3½ St wall bricks underneath	—	61	2 3	91	11 4		
ne cutters coolys hire for cutting and making groove of 3" deep by 3" broad for fitting in the rails		"	8 "	60	" "		
ne Cutters Coolys hire for making 90 holes in the above granite stone for fitting in the rails with nails &c	—	"	1 "	5	10 "		
Wooden pegs of 8 inches long by 1¾ inch diameter each made of palastic	—	"	" 4	1	14 "		
Headed iron nails of 3 inches long each	—	"	" 6	2	13 "		
ithe coolys hire &c for fitting and joining 16 iron bridge rails of 8 feet long each into the grove of the granite stone including nails and plugs &c	—	"	4 "	21	" "		
iron bridge railings of 3½ inches broad	—	"	5 7	21	14 "		
Railway tracks Complete	—	100	" "	200	" "		

Specification.

The ground to be excavated for the foundation of the walls and pillars to a depths of 4 feet breadth of 3'-3" and to the the plan being about 4ft including the pillars in centre of buil excavation for the drain being about 140 Rft of about 1 foot square basement of the building to be filled up with clean sand to the h sections. The surface drain to be of brick in chunam plastere building and covered with granite slabs over the portions (about under the road. The drains under the ground floor to be of bri with one removable granite stone to allow of them being cleane

Brick work of the building to be of brick in chunam 2 coats of chunam with the various footings built and finishe and according to the dimensions shewn in the plan and sections all door and window openings Segmental circular discharging arches - all doors and windows to have round them a mouldin 3" and to be of 9" broad - For the floor of the upper Story 12 wal 1'-6"x2"x1'-1½" will be placed for the beams to rest on as well as 2'x2'x2". On the wall and pillar plates beams of teakwood 18 be placed 9'-3" apart centre to centre frayed with tar at the e shewn in the drawings - On these again joists of the teakwood of the building each 9'-3"x6"x3" and laid one foot apart Ce again over the joists terracing with brick on edge brick jelly 3" and blastard with 3

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ll as being bolted to stanchions. The whole of bolts in truss to be ½ iron those ventilators being ¼ iron - purlins of truss to be of teakwood each at ridge being 6½" x 2½" - purlins of ventilators of teakwood being 6½" x 2½"

The trusses to rest on wall plates and pillar plates of teakwood 3" x 3" in sections shewn in the drawings. The roof to be hipped at the extremities - rafters of teakwood being 6½" x 2½" jack rafters.

The roof of Ventilators is composed of palmerah couples teakwood rafters and purlins. The tips of ventilators to be bolted to heads of stanchions the extremities of which are bolted to hip rafters of trusses.

The whole of the teak timber to be payed over with 3 coats of wood oil palmyra timber to be payed with 3 coats tar the purlins of the whole roof supported by cleats nailed behind them. Common rafters of roof and ventilators to be of palmyra with teak battens and covered with flat and tiles with Chunam borders and ridges In the valley between the roofs laid sheet lead extending up the sides 2" on each roof over the battens forming gutter about 6" broad in the valley, this will be relieved of drainage by a pipe 3" diameter running down the side of each pillar but covered by the wall of the interior and discharging themselves into the drain round the building the valley gutter also to have 2 Zinc shoots at its extremities for discharging drainage from roofs. The whole of the interior to be plastered with Chunam Doors to be Common batten doors with frames hooks hinges complete two in number of dimensions shewn in drawings Windows common with frames hooks hinges complete Eighteen in number the two windows into the street to be provided with iron bars Red paint 3 coats to be given to the whole of the doors and windows The Gate posts to be of brick Chunam built in the position shewn in the drawing and plastered with Chunam One pair of panelled railing Gate shutters complete with hooks running with friction rollers running on Granite way and closing

complete to be procured from England and fixed in the position shewn in the drawing and Train way also to be constructed as shewn in the plan. There will be made openings in the terrace to carry off the cask through the Train way.

Pr. Dist. Engr. Office
Madras
28th March 1862

Executive Engineer

District Engr

15

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter:—

From the Acting Deputy Chief Engineer Central Circle, Chepauk, 5th April 1862, *No.* 12,344;
to the Secretary to Government, Public Works Department, Fort Saint George.

Enclosures 14.

1 *Letter from the District Engineer Presidency, No.* 2767, *dated 28th March* 1862.
1 *Do. No.* 1890, *dated 24th December* 1861.
1 *Do. No.* 1271, *dated 18th October* 1861.
1 *Do. No.* 491, *dated 20th March* 1861, *with*
1 *Enclosure.*
1 *Letter from Assistant Commissary General, No.* 2773, *dated 15th February* 1862.
1 *Do. No.* 2656, *dated 6th February* 1862.
1 *Do. No.* 4096, *dated 4th January* 1861, *with an Order of Government, No.* 1840, 19*th Decr.* 1860, *and Sketch.*
1 *Letter from the District Engineer, Presidency, No.* 2353, *dated 13th February* 1862.
1 *Plan.*
1 *Estimate, Rupees* 10,380.
1 *Specification.*

I have the honor to submit a Plan, accompanied by a Specification, and an Estimate, amounting to Rupees 10,380, for constructing a Building of two floors to be used as a Malt Liquor Store by the Commissariat Department, and which has been prepared in communication with the Commissary General, and the Plan has been approved of by him.

2. A sum of Rupees 8,640 is provided in the Budget of 1862-63, as it was fully expected that the Estimate would not exceed that amount, but certain improvements which my predecessor considered it desirable to make in the Plan, and the greatly increased cost of Timber have raised the amount to its present figure.

3. It is highly desirable that the sanction of Government should be accorded to the Estimate, in time to allow of the work being begun immediately after the commencement of the new official year.

Referred for the consideration of the Military Department.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government P. W. D.

7th April 1862.

ORDER, No. 1484, 25*th April* 1862.

Approved for immediate execution, agreeably to the instructions contained in paragraph 7* of the Despatch from the Right Honorable the Secretary of State for India, dated 8th February 1861, No. 23, recorded in the Proceedings of Government marginally noted.

(True Extract.)

Deputy Secretary to Government.

* *Paragraph* 7.
Suitable Buildings for the storage of the Beer will be provided by Government.

No. 992, *dated* 15*th March* 1861.

To the Department Public Works, with 14 enclosures.
" Quarter Master General.
" Commissary General.
" Controller of Military Finance, for information.

Exd. A. A. DeMonte.

Public Works 1862 Department
Road of route for May.

No. 13244

Sir, I have the honor to forward herewith a Return of the Military Expenditure for the Month of April 1862 amounting to Rupees 25,000

Enclosures 4.

No. 1484

No. 959.

Communicated to the Dy Chf Engr C Circle who is requested to report the source from which the sum of Rupees 1740 (being the difference between the Estimated amount, and that provided for in the Budget for 1862/63) is to be obtained.

+ × 10380
- 8640

Telegraph
5th May 1862

Dy Chf Engr

13 Copies.

To the Dy Chf Engr C Circle with 10 Encls. & Military Cro. Dispt 6:

Superintendence & Establishments for Construction & Buildings of the Year & the sum provided for Liquor Store by Commissariat

Rupees 25,000 - 0 - 0 May.

Dispt 6.

With our Cr-der

No. 119 - 120.