M R O 1—77,006—8-6-37.

(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. 2731+2732 Press
~~Mis.~~
111—114.

Dated 5—9—1867.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 5th September 1867.

Read the following letters:—

No. 111. From the Inspector General of Military Works, Government of Iadia, Public Works Department, to the Secretary to the Government of Madras, in the Public Works Department, dated Simla, 5th August 1867, No. 823 M.

* No. 1,970, dated the 3rd July 1867.
,, 1,900, ,, the 26th June ,,

1. I am directed to acknowledge receipt of your letters marginally* noted, and in reply to state that the Governor General in Council sanctions the plans and estimates aggregating Rupees 10,940 in amount, therewith submitted, for the undermentioned works connected with the Race Course Barracks at Bangalore:—

	Amount. Rs.
I. Additions to present Workshop to adapt it for a Regimental Workshop for the Cavalry	5,900
II. Cook-house for the Royal Horse Artillery .. .	2,700
III. Ration-shed for Cavalry	1,480
IV. Water-troughs for do.	860
Total ..	10,900

2. As regards the increase authorized by the Government of Madras to the width of the Cavalry Hospital Stables, I am to state that His Excellency in Council is unable to approve of the measure, as involving unnecessary expense, and a departure from the standard plan issued by the Government of India with Circular No. 98 of 1866, and which was well considered by competent Officers prior to issue. These stables, I am to observe, are expensive, and there seems no reason why the stalls should be wider in Madras than in Northern India. In the present case the increase of width adds 18 feet to the length of the building, or 964 square-feet to the area, and the rate per square-foot being Rupees 1-12-0 (which is rather high), the total cost is raised by Rupees 1,687. I am therefore to request that the standard plan may be adhered to, and that a revised estimate may be submitted to Government of India for formal sanction.

3. The sanction above accorded has been entered as No. 55 M of 1867-68 in the Register of this Office. The plans and estimates received with the letters under reply are herewith returned.

No. 112. From the Executive Engineer, Bangalore, to the Secretary to Government, Public Works Department, dated Bangalore, 29th August 1867, No. 625.

1. In reply to your Memorandum No. 177, of 27th instant, I have the honor to state that no expenditure has been incurred upon the Cavalry Hospital Stables referred to.

2. I would beg to point out that some inconvenience is likely to be caused by the delay in the commencement of this work, as the other buildings necessary for the accommodation of the Cavalry and the Race Course Barracks will probably be completed by the end of this official year, which the Hospital Stable will certainly not be, if its commencement is delayed much longer.

Proceedings of the Madras Government, Public Works Department, 5th September 1867.

No. 113. ORDER THEREON, 5th September 1867, No. 2,731.

MILITARY WORKS, No. 11.

1. Paragraph 1 of this letter will be communicated to the Superintending Engineer of the 5th Division with reference to the Proceedings of Government Nos. 1,899 and 1,969, of the 26th June and 3rd July 1867 respectively.

2. It is observed that no funds are at present available for the execution of the works marginally noted, and that the full amounts of the estimates for the Ration-shed and Water-trough were allotted in the Order of the 15th August 1867, No. 2,498.

	RS.
Regimental Workshop for Cavalry at Bangalore	5 900
Cook-house for Artillery at do. ...	2,700.

3. Adverting to paragraph 2, the Government of India will be furnished with a copy of the Orders of this Government in the Military Department, No. 4,37*1*, dated 15th December 1866, explaining the circumstance under which it was considered indispensable to allow a width of 9½ feet instead of 8 feet for the stalls of the Cavalry Hospital Stables at Bangalore.

Ordered that the following letter be sent:—

(Here enter No. 2,732, dated 5th September 1867.)

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E,
Secretary to Government.

To the Superintending Engineer, 5th Division.
" Controller of Public Works Accounts.
" Accountant General.
" Military Department.

Exd. S. T. Augustin.

PUBLIC WORKS DEPARTMENT,
FORT SAINT GEORGE,
5th September 1867.

No. 2,732.

No. 114.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

MILITARY WORKS, No. 12.

1. With reference to paragraph 2 of Colonel Crommelin's letter No. 823 M of the 5th August 1867, I am directed to state that a width of 9½ feet for the stalls of the Cavalry Hospital Stables at Bangalore was approved of by this Government on the recommendation of the Major General Commanding the Mysore Division and the Inspecting Veterinary Surgeon, both of whom gave it as their opinion that the standard width of 8 feet was too narrow for the large Australian horses which have to be accommodated.

2. A copy of the Quarter Master General's letter on this subject is enclosed, and as His Excellency the Commander-in-Chief is strongly in favor of the modified plan, I am to request that sanction may be accorded to the estimate of Rs. 18,600 submitted with my letter of the 26th June 1867, No. 1,900.

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

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin.

Specification to accompany Plan and Estimate for Constructing a Cook House for the Royal Horse Artillery Barracks, Bangalore.

Amount of Estimate Rs. 2709.-

The foundation and basement of the building to be of Stone and chunam and the superstructure and cornice work of brick in chunam. The horizontal and vertical dimensions of the walls to be those written on the Plan.

The walls to be plastered with two coats of chunam both inside and outside, and whitewashed on the inside and bluewashed on the outside.

The piers of the verandah to be plastered with two coats of chunam and whitewashed.

The roof of the main room to be of flat and pantile with chunam borders, supported on teakwood trusses purlins and rafters. The scantling of the various timbers of the roof are shewn on the plan. The trusses to have a bearing of 1 foot on the wall at each end (making the tiebeams 22 feet in length) and the common rafters to have a bearing of 9" stone plates (2½ x 1½ x ½) to be built into the wall for the trusses to rest upon. The common rafters to be 1½ feet apart from centre to centre.

The various parts of the trusses to be fixed together at the joints by means of iron clamps and bolts, and each to be screwed to the principal

principal Rafters to support the purlins.

The roof of the guard & orderly's room to be Mediterranean, constructed with four causes of flat tiles & in chunam finished over with two coats of chunam, the scantling of the joists and breast summers of these are also mentioned on the plan, the joists of the Verandah to be built 9" into the wall at one end and to project 1 foot clear beyond the breast summers at the other and those of the orderly's room to be similarly built 9" into the wall at one end and to project one foot clear beyond the outer coat of the same at the other end they are to be placed 2½ feet a part from centre to centre.

The flooring to consist of stone slabs of a minimum thickness of 3 inches, carefully dressed at the edges & fitted round and pointed neatly with chunam.

The basement to be filled in with earth, well watered, rammed, and levelled before the flooring is commenced.

Four strong battoned doors 4 x 8 and 5 battoned windows with iron barred frames 3½ x 5½ with frames, hooks, bolts and hinges complete, and strong iron padlocks and staples for the doors to be provided and fixed in the building in the positions shewn on the plan.

Five glazed swing ventilators 3½ x 1½ and

2

2 glazed swing ventilators 4x6 with semicircular tops, with frames, pins & ropes complete to be provided and fixed over the doors and windows as shewn in the plan.

The whole of the woodwork of the roof of the building with doors, windows and ventilators to be coated with two coats of wood oil, and the ends of the trusses, joists and breast summers, which are to be built into walls to be coated with two coats of tar.

Four shelves 8 feet long, 2 feet broad, 3/4 in thickness to be put up in the side walls of the main room and one shelf similar to the above 12 feet long to the side of the orderly's room at such height as the Executive Engineer shall direct. The shelf to be supported on wooden supports and struts 4" inches square placed 4 feet apart and built into the wall to a depth of 12 inches.

The refuse bin to be built of brick in chunam and plastered with two coats hydraulic cement.

Lastly a Cooking Range which will be furnished by Government to be fixed into the main room in the position as marked on the plan according to the direction and satisfaction of the Executive Engineer.

Every

Every thing necessary for the neat and workmanlike completion of the building to be provided — whether particularly mentioned in this Specification or not.

All materials and workmanship employed to be of the best possible description and subject to the approval of the Executive Engineer of Bangalore who shall have the power of ordering the removal of any work with which he is dissatisfied.

Signed

John Pennycuick Lieut RE

Executive Engineer Bangalore.

Executive Engr's Office,
Bangalore 29th May 1867

E.H. Ford Lieut Col RE
Superintending Engineer

5th Division S.P.W.

Military Work.

Bangalore

New Works of 1867/68.

Abstract of an Estimate &c for Constructing Cook house for Royal Horse Artillery Barracks Bangalore.

Quantity	Descriptions of work	Rate	Per	Amount	Total
1303	Cft of excavation	"	1 Cft	7	
1303	Do of Foundation Stone in Chunam	" 2	6 Do	204	
570	Do of Basement Do	" 2	6 "	89	
2822	Do of Brick work Do	" 2	9 "	485	
163	Do of Arch work Do	" 4	" "	40	
149	Rft of Cornice	" 4	" Rft	37	
47 2/100	Sqrs of Plastering two coats	2 8	Sqr	118	
23 35/100	Do of whitewashing Do	" 3	" Do	4	
23 64/100	Do of Blue washing Do	" 4	" "	6	
147-3 "	Cft of Teakwood wrought & put up	3 8	" Cft	575	
2	Trusses with iron works complete	75	" " Each	150	
4	Stone Plates under trusses	" 4	" "	1	
67	Rft of Granite Steps	" 3	" Rft	13	
7 92/100	Sqrs of Roofing with Teak reepers Nails, flat and Pantiles with Chunam borders &c complete	18	" " Sqr	143	
6 2/10	Do of Semi terracing with teak reepers, four courses of flat tiles and two coats of Chunam	19	" " Do	118	
				Carried forward	1930 " "

Abstract of Estimate &c for Constructing a Cook House for the Royal Horse Artillery Barracks Bangalore.

Amount of Estimate Rupees
In Rupees 1930-0-0

Exd. Divisional Office S.P.W.
Bangalore

	Brought forward				1930	—	
10 76/100	Squares of Paving with granite Slabs bedded in Sand and pointed with Chunam	10	—	Sqr	108	—	
1536	Cft of Filling the Basement with Earth	"	"	¼ Cft	2	—	
166	Nails 7 inches long	"	"	1 Each	6	—	
44	Rft of Shelf 2 feet wide ¾ inch thick with supports Struts including fixing	1	"	Rft	44		
4	Pairs of Battoned doors 4×8 with frames & iron works Complete	32	—	Each	128	"	
5	Pairs of Battoned Windows with iron barred frames 3½×5½ with frames and iron works Complete	35	"	"	175	—	
2	Swing Windows with Circular glazed top 3½×5 with frames and iron works Complete	22	"	"	44	—	
5	Glazed Swing Windows 3½×1½ S-S	9	"	"	45	—	
21¾	Squares of Wood oiling all wood works of the roof and doors and Windows of the building	2	—	Sqrs	44	—	
2	S of Tarring ends of Rafters Trusses	1	8	"	3	—	
1	Marking Board	5	—	Each	5	—	
2	Inventory Boards	1	"	"	2	—	
1	Fixing one Cooking Range	30	—	"	30	—	
					2566	"	
	Sundries				134	—	
	Total Rupees				2700	—	

Ex Engrs Office
Bangalore
29th May 1867

P. J. Pennycuick Lieutt R.E.
Ex Engineer Bangalore

Ell Prov Lieutt Colt R.E.
Superintg Engineer 5 Division.

Abstract of an Estimate for Constructing a Cook House for Royal Horse Artillery Barracks at Bangalore.

Amount of Estimate Rs 2700.

Am'g to Rs 2685

P.W.D. 22nd Dec 65

Bangalore.

5th Division S.P.W.

Military — Bangalore — New Works.

Abstract of an Estimate No — of 1867/68

Work — Constructing additions to present work Shop, to adapt it for Regimental work Shop Race Course Barracks Bangalore.

Quantity	Description of Work	Rate	Per	Amount	Total
2019	Cft. of Excavation	" " 1	Cft.	11 "	
2019	Do. of Foundation Stone in Chunam	" 2 6	Do.	375 "	
929 3/4	Do. of Basement Do.	" 2 6	Do.	145 "	
3054 1/6	Do. of Brick in Chunam	" 2 9	"	525 "	
256 7/8	Do. of Arch work in Do.	" 4 "	"	64 "	
124	Rft. of Cornice	" 4 "	Rft.	31 "	
35	Columns	9 10 "	Each	337 "	
58 64/100	Sqrs. of Plastering 2 coats with Chunam	2 8 "	Sqrs.	146 "	
50	Do. of whitewashing two coats	" 3 "	Do.	9 "	
31 8/100	Do. of Bluewashing Do.	" 4 "	Do.	8 "	
481-10-4	Cft. of Teakwood wrought and put up	3 8 "	Cft.	1687 "	
4	Trusses with iron works complete	70 " "	Each	280 "	
38	Rft. of Zinc pipe to drain off rain water	1 12 "	Rft.	1 7	
58	Do. of Granite Steps	" 3 "	Do.	11 "	
15 31/100	Squares of Roofing with teak reepers nails, flat and Pan tiles Chunam borders Complete	18 " "	Sqrs.	279 "	
20 67/100	Do. of Aerial terracing with teak reepers Complete	19 " "	Do.	393 "	
	Carried forward			4308 "	

	Brought forward					1308	—
30 60/100	Squares of Paving with granite Slabs bedded in Sand and pointed with Chunam	10	—	"	Sqrs	306	—
3493	Cft of Filling the basement with earth	"	"	1/16	Cft	5	—
252	Nails 8 inches long	"	"	8	Each	11	—
264	Do Do	"	"	7	"	10	—
46	Teakwood turned Pegs 18" long	"	12	"	"	35	—
79	Running feet Shelf 3 feet wide and 3/4 inches thickness with Supports and Struts including fixing	1	8	"	Rft	119	—
87	Do of Shelf 2 feet wide Do	1	—	"	Do	87	—
2	Pairs of Battened doors 5'x8' with frames and iron works complete	40	—	"	Each	80	—
1	Do Do 4'x8' Do Do	32	—	"	"	32	—
9	Pairs of Venetioned windows 4'x5 1/2 with frames and iron works complete	34	4	"	Each	308	—
4	Circular Glazed Swing windows 4'x5 with frames and iron works ropes complete	25	—	"	"	100	—
7	Glazed Swing Windows 4'x2 1/2' with frames iron works Ropes complete	6	—	"	"	42	—
1	Fixing battoned door in the present building including cost of demolishing wall	10	—	"		10	—
	Carried forward					5453	—

	Brought forward					5453	—
1	Removing Window on the out-side of the present building and fixing it on East side of the same with Lintel plank complete	6	—	"	Each	6	—
1	Removing Swing Window on the out-side of the present building and fixing it on East side of the same with Lintel plank complete	4	—	"	"	4	—
2	Squares of Tarring the end of Rafters, trusses and joists	1	8	"	Sqrs	3	—
63 1/2	Squares of wood oiling all wood work of the roof doors and Windows of the new and present building	2	—	"	"	127	—
3 3/4	Do of Scraping the old paint of the doors and Windows of present building	1	—	"	"	4	—
1	Roofing Board	5	—	"	Each	5	—
4	Inventory Boards	1	—	"	"	4	—
						5606	—
	Sundries					294	—
	Total Rupees					5900	"

Ex. Engrs. Office
Bangalore
25th May 1867

D. J. Pennycuick Lieut R.E.
Executive Engr Bangalore

Ed Smyth Lieut Colt R.E.
Superintg Engr 5th Division.

Specification to accompany Plan and Estimate for additions to Work Shop on the Race Course in order to accommodate Lascars of Regimental Work Choki.

Amount of Estimate Rupees 5900-0-0

The additions which are to be made to the present building are shown on the plan, on which the shaded portion represents the existing building and the remainder the new work.

The foundation and basement of the new building to be of stone in Chunam and the superstructure and cornice work of brick in Chunam; the horizontal and vertical dimensions of the walls to be those written on the plan.

The pillars of the verandah to be of brick in Chunam, built with selected bricks, with circular bond stones at every 3 feet in height, the pillars to be 1-6" in

Public Division P.W.D.

Bangalore

Dr Rs [illegible]

Abstract of an estimate for enclosing additions to present work Shop Lads for Regimental work Hospital Lascars Race Course Warren Bangalore.

Amount of Estimate Rs 5900

Ex Sq ft 2268

in diameter at the bottom, and 1'-3" at the top with properly moulded bases and capitals.

The walls to be plastered with two coats of Chunam both inside and outside, to be whitewashed inside and brownwashed outside.

The pillars of the verandah to be plastered with two coats of Chunam and whitewashed.

The roof of the main building to be of flat and pantiles with Chunam borders, supported on teak wood trusses, purlins and rafters. The scantling of the various timbers of the roof are marked on the plan: The trusses to have a bearing of 1 foot on the wall at each end (making the tiebeams 22 feet in length) and the common rafters to have a bearing of 9". Wall plates 4½ x 3" to be built into the walls for the trusses to rest upon.

The common rafters to be 1½ feet apart from centre to centre.

The various parts of the trusses to be fixed together at the joints by means of iron clamps and bolts, and seats to be screwed to the principal rafters to support the purlins. A gutter of 2ins. sheeting 2 feet broad to be built in the valley between the two sloping roofs of the new building to carry off the water.

The roof of the verandah to be semiterrace, constructed with four courses of flat tiles set in Chunam, and plastered with two coats of Chunam; the scantling of the joists and breast summer is mentioned on the plan. The joists to be built 1 foot into the wall at one end and to project 1 foot clear beyond the breast summer at the other, and to be

be 1'-6" apart from centre to centre -

Two Strong batton doord 5' x 8' and one 4' x 8' and 9 venetioned windows with iron barred framed 4' x 5½' with framed hooks, bolts and hinged complete, and Strong iron padlocked and Staples for the doord, to be provided and fixed in the new building in the positions marked on the plan and the window and ventilator in the west side of the present building to be removed and fixed in the east side, as Shown in the plan, the Space now occupied by it being closed with brick in Chunam.

Seven glazed Swing ventilators, 4' x 1½' with framed rings and ropes complete to be provided and fixed over the new doors and windows as Shown in the plan, and four Swing ventilators 4' x 5' with Semicircular tops, complete as above, to be fixed in the four gable ends of the new building -

The following features to be erected in the different rooms -

Tailor's Shop —— Twelve turned teak wood pegs 18 inches in clear length and built into the wall to a depth of 6 inches, at Such points as the Executive Engineer may direct.

One Teakwood Shelf, 2 feet wide and ¾" in thickness to be put all round the room, except in front of the doord and windows, at a height of five feet from the ground. The Shelf to be Supported on wooden Supports and Struts 4" Square, placed 4 feet apart, and built into the walls to a depth of 12 inches.

Saddler's Shop —— One Shelf Similar to the above, but two feet wide only, all

all round the room except in front of doors and windows. Twelve Saddle-pegs Similar to those fixed in the cavalry Saddle Room, firmly built into the wall at such points as the Executive Engineer may direct.

Saddle Maker's Shop ——— Twelve Saddle pegs Similar to the above.

Shoemaker's Shop ——— Ten pegs 18 inches long, Similar to those before mentioned, one Shelf Similar to those before mentioned, 12 feet long and two feet broad.

Working drawings of the above fixtures Showing the mode of fixing them in the wall will be supplied on application to the Executive Engineer.

The whole of the trussed, joists, rafters, doors, windows, door frames, window frames and other woodwork of the new building to be coated with two coats of wood oil, and the ends of the trussed joists and rafters which are built into the wall to be coated with two coats of tar.

The door, windows, door frame and window frames of the present building to have the paints thoroughly scraped off them and replaced by two coats of wood oil.

The plaster of the present building to be renewed where necessary and the whole to be thoroughly outside and whitewashed inside, two coats.

All the materials and workmanship employed to be of the best possible description and subject to the approval of the Executive Engineer of Bangalore and all things necessary for the completion of the building in a neat and workmanlike manner to be provided, whether Specially mentioned in this Specification or not.

Ex: Eng'r Office
Bangalore
25th May 1867

John Penny Lieut R.E.
Executive Engineer Bangalore

Ed Ford Lieut Col R.E.
Superintending Engineer

5th Division D. P. W.

Military Bangalore New Work

Work Abstract of an Estimate No of 1867/68.

Constructing Ration Shed for Cavalry Race course Barracks Bangalore.

Quantity	Description of Work	Rate	Per	Amount	Total
597 1/2	Cubic feet of Excavation	"	" 1	Cft. 3	
597 1/2	Do. of Foundation Stone in Chunam	"	26	" 93	
341 1/4	Do. of Basement Do.	"	26	" 53	
908 3/4	Do. of Superstructure Brick in Do.	"	29	" 156	
20 48/100	Sq.rs of Plastering two Coats with Chunam	2	8	Sqr 57	
16 64/100	Do. of whitewashing two coats Do.	"	3	" 3	
7 3/10	Do. of Blue washing Do.	"	4	" 2	
169 1/8	Cft. of Teakwood scroll Spandrils	3	8	" Cft. 592	
13 36/100	Sq.rs of Roofing with Tank tiles nails, flat and pantiles with Chunam borders &c. complete	18		Sqr 276	
10 2/100	Do. of Paving with granite slabs bedded in sand & pointed with Chunam	10		" 100	
92	Running feet of Steps	"	3	Rft. 17	
1518	Cft. of Felling	"	1/4	Cft 2	
18	Stone Plates	"	4	Each 5	
1 9/10	Sq.rs of Honeycomb Work	8		Sqr 15	
14 44/100	Do. of Woodoil two coats	2		" 29	
120	Nails 9 inches long	"	9	Each 6	
				1403	
				Sundries 77	
				Total Rupees 1480	

Ex Engrs Office
Bangalore 13th
May 1867

Dy J. Pennycuick Lieut R.E.
Ex Engineer Bangalore.

Ex Prov Lieut Col R.E.
Superintg Engineer 5th Dn

Specification to accompany
Plan and estimate for Cavalry
Ration shed additional to Regiment work
Shed to be built for Regimental
Mess Hospital for Regiment
work Shop Race Course Barracks
Bangalore

Amount of Estimate Rs 1480.

In Duplt 265

5th Division D. P. W.

Bangalore

4th Division D.P.W.

Bangalore.

3113

P.W. [illegible]/167

Abstract Estimate for
constructing Ration Shed for
Cavalry Race Course Barracks.
Bangalore.

D.P.W. No 229.-

Amount of Estimate Rs. 1480

The rafters, purlins, wall Summers and ridge pole to be coated with two coats of wood oil.

Everything necessary for the neat and workmanlike completion of the building to be provided, whether particularly mentioned in this Specification or not.

All materials and workmanship employed to be of the best description and subject to the approval of the Executive Engineer Bangalore, who shall have the power of ordering the removal of any work with which he is dissatisfied.

John Benyon Lt.
Lieut. R.E.
Executive Engineer Bangalore

Exc. Engr's Office
Bangalore 13th
May 1867

Executive Engineer Bangalore

Examined
Superintending Engineer

5th Division 16th N.I.

Madras

Bangalore

New Work

Abstract Estimate No. 1 1866-67.

Work — Construction a Water Trough for Cavalry on Race Course Cantonment Barrack Bangalore.

Quantity	Description of work	Rate	Per	Amount	Total
826 7/16	C.F.t. of Excavation and removing the earth	. . 2	C.F.t.	9	
656 7/16	Sq.r. of Foundation brick in chunam	. 2 6	Sq.r.	103	
581	Sq.r. of superstructure brick in Sq.r.	. 2 9	Sq.r.	100	
10 1/4	Sq.rs. of Plastering with hydraulic chunam 2 coats and polished neatly	3 8	Sq.rs.	36	
199	R.F.t. of Coping stones 9" broad and 6" thick rounded on edges	. 8	R.F.t.	100	
170 25/64	Concrete of Brick Jelly in chunam	. 2 6	C.F.t.	27	
2 5/100	Sq.rs. of Granite stone slabs set in chunam and pointed with Asphalte	15	Sq.rs.	31	
50	R.F.t. of earthern pipes 4½ diameter including the cost of excavation and laying complete	. 3	R.F.t.	9	
	Total				415
	Sundries				15
	Total Rupees for one Trough				430
	Do. for two				860

Rupees Eight hundred & sixty.

Exc.e Engineers Office
Bangalore 13th May 1867

(Sd.) John Pennycuick Lieut.t R.E.
Executive Engineer Bangalore

Countersigned Lieut.t Col.l R.E.
Superint.g Engineer 5th Div.n

Examined

Signification of Plan & Estimate
on account for Construction
Water Trough for Cavalry Race
Course Barracks Bangalore

Amount of Estimate Rs. 1480
1280
200 Rs.

Sd. [illegible]
13/5/67

Sd. [illegible]
Superintendent
Bangalore

Specification to accompany Plan and Estimate for Water Supply for Cavalry Race Course & Barrack Bangalore.

Amount of Estimate Rs 880

5th Division C.P.W.

Bangalore

3113
1st Jr 2/11/69

Abstract Estimate for constructing Water Supply for Cavalry on Race Course & Barrack Bangalore.

Amount of Estimate Rs 880..

880/1/3 In Bj No 229.

this specification or not.

All materials and workmanship used to be of the best quality and subject to the approval of the Executive Engineer Bangalore, who shall have power to reject all work which in his opinion does not come up to the required standard —

Ex Engineers office
Bangalore
13th May 1867

John Penny Lieut R.E.
Executive Engineer Bangalore.

Ell Ford Lieut Col R.E
Superintending Engineer

No 823 : M

Government of India.
Public Works Department
Military Works

To The Secretary to Government of Madras
in the Public Works Department.—

Simla 5th August 1867.

Sir,

I am directed to acknowledge receipt of your letters marginally noted, and in reply to state that the Governor General in Council sanctions the plans and estimates aggregating Rs. 10,940 in amount, therewith submitted, for the undermentioned works connected with the Race Course Barracks at Bangalore—

× No 1770 d/the 31st July 1867.
" 1900 d/the 26th June 1867.

		Amount
I.	Additions to present workshop to adapt it for a regimental workshop for the Cavalry	Rs. 5,900. " "
II.	Cook houses for the Punjal Horse Artillery	" 2,760 " "
III.	Rations shed for Cavalry	" 1480 " "
IV.	Water troughs for Do.	" 860. " "
	Total Rupees	10940 " "

2. As regards the increase authorised by the Government of Madras to the width of the Cavalry hospital

hospital stables, I am to state that His Excellency in Council is unable to approve of the measure as involving unnecessary expense and a departure from the standard plan issued by the Government of India with Circular No. 98 of 1866 and which was well considered by competent officers prior to issue. These stables I am to observe are expensive and there seems no reason why the stalls should be wider in Madras than in Northern India. In the present case the increase of width adds 18 feet to the length of the building or 6½ feet to the area and the rate per S. foot being 1/12, (which is rather high) the total cost is raised by Rs. 1,687. I am therefore to request that the standard plan may be adhered to and that a revised Estimate may be submitted to Government of India for formal sanction.

3. The sanction above accorded has been entered as No. 55 M of 1867/68 in the Register of this Office. The plans and estimates received with the letters under reply are herewith returned.

I have the honor to be
Sir
Your most obedient Servant
W Hemmeller Colonel R.E.
Inspector General of Military Works

To

Public Works Department.

No 2731

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 5 Sept^r 1867

Read the following

From The Inspector General of Military Works, Govt of India, 3 Circ —
(Here enter No 823 dated 5th August 1867)
— " — Ex Engr at Bangalore — " — 625 — " — 29th — " —

Para 1 of this letter will be communicated to the Superintending Engineer of the 5th Division with reference to the Proceedings of Government Nos 1899 and 1969 of the 26th June and 3rd July /67 respectively —

It is observed that at present no funds are available for the execution of the works marginally noted, that the full amounts of the estimates

~~for~~ ~~Land~~ ~~Mile~~ ~~Depot~~
~~for~~ ~~Store~~ ~~to~~
~~purposes~~ ~~to~~ ~~Cost~~ ~~the~~
~~Cost~~ ~~for~~ the Native Shed and water trough were allotted in the order of the 15 August /67 Admitting Rs 2498 —

No 1107

Representative Workshop for Cavalry at Bangalore Rs 5,900
Cook House for Artillery " 2,700
at Do —— Rs 8,600

26 Land / by Nos 543-546
3 Dy Quarter — " — 61-63.

Ord 27 Aug 1867 Dept
Copy of Govt for Sept^r
No 3113.

From
The Insp^r General
of Military Works
Govt of India

Dated 5 Sept^r 1867
Rec^d 19 Sept^r /67
No 823/M

Ests for Storehouses - 5
Estimates - 5
Plans - 5

Sanctioning Estimates for certain Military Works in Bangalore and calling for a revised Estimate for the Cavalry Hospital Stables at that Station.

Ack^g III

Cr 21 Aug^t / 67 Od. 27th

Nos 2731-2732-5 Sept^r 1867

Adverting to para 2,
the Government of India
will be furnished with
a copy of the orders
of this Government in
the Military Department
No 1371, dated 15th Dec/66
explaining the circumstances
under which it was
considered indispensable
to allow a width of
9½ feet instead of 8
feet, for the stalls of the
Cavalry Hospital Stables
at Bangalore

Ordered that the
following letter be sent

No 2732
To the Secretary to the
Govt of India Pub Wks
Dept

Sir

With reference to
para 2 of Colonel
Crommelin's letter No
823 of the 5th August
/67,

I am directed to state
that a width of 9½ feet
for the stalls of the
Cavalry Hospital Stables
at Bangalore was approved
of by this Government
on the recommendation
of the Major General
Commanding the Mysore
Division and the respective
Veterinary Surgeon,
both of whom
gave it as their
opinion that the standard
width of 8 feet was too
narrow for the large
Australian horses which
have to be accommodated

A copy of the Quarter
Master Generals' letter
on this subject is enclosed,
and as His Excellency the
Com-in-Chief is strongly in
favor of the modified plan
I am to request that
Sanction may be
accorded

To the Supt Govt Press
— Embossing
— Acct Genl
— Military Dept

Have not the
been billed already?
yes. N.

(6)

accorded to the estimate of Rupees 18,600 submitted with my letter of the 26th June 1867, No 1900—

P. W. 186 . Department.

No.

PROCEEDINGS OF GOVERNMENT.

Dated

Genl St. Lrange 5th Septr 67

Recd 6/8/67 with Genl Gens 4371 Plan, Estimate & specn for Cantonment Sick Stable for Cavalry at Race Course Barracks at Bangalore

C. 21 Oct 67 No. 275

Fin. III

Pub: Works 1867 Department

Pro: of Govt. for September

No. 2731 & 2732

Pro: of the Madras Govt

Dt 5th September 1867

Communicating with Remarks to the Supt. Engr. of the 5th Division the orders of the Govt. of India sanctioning estimates amounting to Rs. 10,940 for works connected with the Race Course Barracks at Bangalore.

Informing the Govt. of India of the circumstances under which it was considered indispensable to allow a width of 9½ feet instead of 8 feet for the Stalls of the Cavalry Hospital Stables at the Race Course Barracks at Bangalore & requesting sanction to the estimate of Rs. 18,600 for the work.

No. 111 & 114