M.R.O. 1—10,006—28-2-50.

(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.	1662	Press
B.P. No. 439-448		Mis.
Dated	19-6-1914	195 .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
19th June 1874.

Read the following letters :—

No. 439. From Captain H. M. VIBART, R.E., District Engineer, Bangalore, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Bangalore, 10th April 1874, No. 3.

I HAVE honour to inform you that the site selected for the construction of two Staff Serjeants' quarters of the Commissariat Department by the Committee convened under the orders of the Officer Commanding the Division, is on both sides of the present gateway of the old Infantry barracks.

2. This site having been approved of by His Excellency the Commander-in-Chief an extra amount of Rupees 1,300, as follows, will be required in addition to the estimate of Rupees 7,000 already sanctioned :—

	Rs
Cost of additional Walls and a gate required to be placed between the two quarters	1,075
Cost of dismantling 121 R. feet of old barracks...	225
	1,300

This will bring the amount of estimate to Rupees 8,300.

No. 440. From the same Officer, dated Bangalore, 20th April 1874, No. 12.

I HAVE the honour to inform you that before receipt of your Memorandum No. 270, dated 18th April 1874, the work of dismantling* had been commenced and three partition walls built. I therefore beg to suggest that the work of dismantling should be continued ; meantime orders have been given to stop the work, viz., the construction of two Staff Serjeants' quarters for Commissariat Department. A revised estimate will be forwarded as soon as possible.

* The front of Commissariat buildings.

No. 441. From the same Officer, dated Bangalore, 30th April 1874, No. 25.

I HAVE the honour, with reference to your letter No. 286, dated 24th April 1874, to forward, herewith, revised plan and estimate as per margin, for the construction of two Staff Serjeants' quarters for the Commissariat Department at Bangalore.

1 Plan.
1 Estimate of Rupees 8,400.
1 Specification.
1 Site plan.

2. A site plan is herewith submitted as required in your Memorandum No. 270 of 18th April 1874.

3. The estimate is forwarded direct to you to save time, and also because the amount requiring sanction is only Rupees 1,400, exclusive of the original amount, viz., Rupees 7,000.

4. The Military Authorities have accorded their approval to the estimates, etc.

Proceedings of the Madras Government, Public Works Department,
19th June 1874.

No. 442. ORDER THEREON, 19th June 1874, No. 1,662.

MILITARY WORKS, No. 16.

IT appears from these letters and the papers submitted with them that a change of the site originally proposed for the two Staff Serjeants' quarters of the Commissariat Department at Bangalore involves an increase of cost of 20 per cent. on the estimate of Rupees 7,000, sanctioned in G. O., No. 3,460 of 27th October 1869. Of this excess of Rupees 1,400, Rupees 500 is due to the extra cost of the quarters themselves being built detached instead of semi-detached; Rupees 465 is due to the cost of new gates and railing between them, forming an ornamental entrance to the Commissariat square; Rupees 215 is the cost of dismantling part of the old barracks to form the new site, and Rupees 220 is the cost of conversion of part of the old barracks into a new guard-room.

2. The alterations and additions are judicious, and meet with the approval of His Excellency the Governor in Council; and the extra cost will be allotted from the Reserve under Military. But the District Engineer is called to order with reference to his irregular proceedings in undertaking them without sanction, or even submission of the necessary revised plans and estimates, which he had had ample time to send in between the date of promulgation of the Budget and the commencement of the official year. It is less trouble in the end to act strictly in conformity with reasonable regulations, and frees the officers concerned from the burthen of unnecessary responsibility.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Bangalore.
,, Military Department.
,, Officiating Controller of Public Works Accounts.

Exd. S. T. Austin

Spare Copies

DISTRICT ENGINEER'S OFFICE.

No. 12 Bangalore 20th Oct 1874

From The District Engineer,
Bangalore.

To.
The Chief Engineer
Public Works Department.
Madras

Sir.

I have the honour to enclose herewith a plan and estimate for the front of Commissariat Buildings.

I have the honour to acknowledge your letter No. 270 dt. 18th April 1874, returning the above mentioned plan and estimate, and to state that the receipt of your letter was duly acknowledged, and that I sent a portion of the wall built. I have also to suggest that the work of dismantling should be continued; meantime orders have been given to stop the work. The construction of two staff Serjeants' Qrs. for Commissariat Department will be proceeded with as soon as possible. I have the honour to be

Sir,
Your most Obedient Servant
Henry Turnbull Captain R.E.
District Engineer Bangalore

Specification to accompany Plan and Estimate for constructing Quarters for two Commissariat Staff Sergeants proposed to be built one on each side of the present Southern gateway of the Bakery Square at Bangalore.

Amount of Estimate Rupees 8400-

Excavation

The excavation for foundation to be taken down to such a depth as the District Engineer may consider necessary and the bottom taken out perfectly level.

Foundation

The foundation is to be laid with stone in chunam, stones laid closely filled with good bond and well flushed up with chunam (3 parts of sand to two of fresh and well burnt lime) slaked on the work. Every sixth stone at least to be a through header.

Basement

The basement to be similarly laid with outer joints scraped out and pointed. The top course of the basement to be of flat stones of as great

great a length as possible.

Superstructure — The superstructure is to be of best A bricks ($9" \times 4\frac{1}{2} \times 2\frac{1}{2}$) in chunam (3 parts of sand to two of fresh and well burnt lime slaked on the work. The bricks to be soaked in water before they are used and English bond to be observed throughout. Openings to be provided in the walls in the positions shown on the plan.

Arch work — The arches to be neatly turned and only selected hard bricks used. The joints all to radiate correctly according to the nature of the arch. Bricks to be ground down to required shape and the key bricks to be well driven home. Joints not to exceed $\frac{1}{4}$" inch thick and to be scraped out before plastered.

Cornice work — The description of the cornice should be of the pattern supplied by the District Engineer. Cornice bricks to have proper bearing not less than 4 inches and set with strong lime.

Plastering — The joints to be scraped out and the walls plastered inside and outside with two coats of chunam, 1st coat to consist of one part of lime to $\frac{1}{2}$ of River sand well ground together and the 2nd coat to be of 3 parts of lime to one of white river sand well smoothed off.

Coloring — The building to be blue-washed outside and to have a uniform color throughout to be approved of by the District Engineer and to be whitewashed inside each with two coats.

Timber — The whole of the timber to be of well seasoned and sound teak free from all shakes and knots and neatly finished off. No timber to be put up until passed by the District Engineer.

Steps — The stone slabs for steps to be of one stone of the required dimensions according to the nature and size of the steps having the outer sides and edges dressed square and upper surface smoothly dressed.

The

Roofing

The roof of the main building, verandah, Cook room and privy to be terraced with Brick on edge 3" of jelly, 3 courses of flat tiles and 3 coats of plastering well rubbed. Teak beams for the main building to bear on stone plates not less than ($1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{3}$). The joists are to be laid $1\frac{1}{2}$ feet apart from centre to centre.

The side verandah to be Bengal terraced with four courses of flat tiles laid in chunam and 3 coats of plaster with teak Reepers ($2\frac{1}{2}" \times \frac{3}{4}$) supported on Rafters ($2\frac{1}{2}" \times 5"$) placed $1\frac{1}{2}$ feet apart from centre to centre resting on breastsummers ($4" \times 7"$) placed over the stone pillars as shown on the plan.

The scantlings of the various timbers to be of those written on the plan.

Woodwork

All the Woodwork of the Roof and inside doors to be coated with two coats of wood oil.

The

Flooring

The basement to be filled in with earth well watered and rammed till thoroughly consolidated, over this a flooring of stone slabs having a smooth surface not less than 3" thick with the edges dressed square to be laid in mortar. Joints scraped out and pointed with strong lime putty. The floor of the bath room to be laid with asphalte. And the privy to be floored with one foot of clay and 6" sand.

Iron Shoots

Iron shoots having 4" inner diameter to be provided and fixed on the inner side verandah walls [illegible] and to be fastened to them by iron clamps at every few feet in the manner directed by the District Engineer.

Stone pillars

The stone pillars to be 10 ft. long $1\frac{1}{4}$ wide and $4\frac{1}{2}$ thick to be laid 2 feet into the foundation ($2 \times 2 \times 2\frac{1}{2}$) built of stone in chunam. The top of these pillars must be cut into

the

the shape and dimensions of the breastsummers and corbels that are to come over them.

Doors

6 pairs of doors (4×8), out of which 2 being half pannelled and half glazed, one half pannelled and half venetioned, two pannelled and the other one battened; and two pairs of battened doors 3×7 with frames 4½"×3½", door planks 1¼" thick with strong hinges, bolts, locks &c. are to be provided and fixed to the Main building. Also 3 battened doors (3×6) with frames (4"×3") door planks 1¼" thick with hinges, hooks, locks &c. are to be provided and fixed to the Out houses and Compound wall in such positions as marked on the plan.

Windows

2 battened windows (3×3) frames (4"×3"), planks 1¼" thick with strong hinges and other fittings complete are to be provided and fixed to the Cook Room and Privy.

Ventilating Swing windows

6 glazed ventilating swing windows (3×1½) frames (4"×3") and other fittings &c. to be provided and fixed to the Main building.

Almyrahs

Almyrahs will be fixed in the walls in the positions marked on the plan. There will be in each 4 rows of shelf planks 6 feet long 1 foot wide and 1" inch thick made to slide in a grooved frame fixed in the wall at interval of 1 foot from centre to centre and shutters to be provided with strong well finished hinges, locks, Crop bolts &c. complete.

Painting

The door, windows and ventilating swing windows are to be painted with two coats of chocolate color paint.

Privy seat

The privy seat to be provided and fixed in the manner shown on the plan. The planks to be 2" thick and the seats be coated with two coats of wood oil.

Iron Chimney

The iron chimney and hood in Cook Room to be of ⅛" iron and fastened with iron clamps to the wall

wall as shown on the plan.

Gate

The gate to be as shown on the plan: each shutter is to consist of four wrought iron horizontal bars 2×3/4" with cast iron vertical bars 1" diameter inserted through them. The shutters to be supported by strong hook and hinges. The hooks to be fastened in a stone (18"×9") with lead and fixed in the gate pillars as represented in Elevation. The gate to be provided with a bolt and staple and pad lock. And the shutters to be provided with brass bearing rivets running on an iron plate 3" broad and 1/2" thick to be firmly fixed in stone bed.

Railings

The cast iron Railings on both sides of the gate are to be inserted between the stone on the top of the dwarf wall and wrought iron horizontal bar 2×3/4. The dwarf wall to be built of brick in chunam and to be 1 1/4 thick and 3 feet deep. The vertical cast iron rails 1" diameter as shown on the plan.

The old Barracks on the site selected for the Quarters to be dismantled to a length of 56 feet on each side of the southern gateway of Bakery Square and the rubbish to be carted away from the site of the work to such a distance as the District Engineer may think necessary.

All materials used and work done to be of the best description and subject to the approval of the District Engineer of Bangalore who shall have the entire power of ordering the removal of any work with which he is dissatisfied.

Henry Thr Wheeler Captain R.E.

District Engineer Bangalore

H.M. Engr Office
Bangalore
28th April 1874

No. 25

DISTRICT ENGINEER'S OFFICE

Bangalore 30th October 1874.

From

The District Engineer,

Bangalore.

To.

The Chief Engineer

Public Works Department

Madras

Sir.

Enclosures.

1. Plan
2 Estimate Rs 8400
1 Specification
1 Bill of Rates

I have the honour with reference to your letter No 286 dated 24th April 1874, to forward herewith Revised Plan and Estimate as per margin for the construction of two Staff Surgeon's Quarters for the Commissariat Department at Bangalore.

A site plan is herewith submitted as required in your Memo dated 27th April 1874.

The Estimate is framed for each House, and also because the amount requiring sanction is only Rupees 1,000, exclusive of the Original sanction

Received 2nd April 1874
Recd. 3rd April 1874
Copy sent to Commissariat Officer
for information
Forwarded to Chief Engineer
for Commissariat Officer
Bangalore
Received 3rd April 1874
Copy sent to Commissariat Officer
Bangalore
Received 4th April 1874
Copy sent to Chief Engineer
for information
Forwarded to Chief Engineer
for information

Rs Rupees 70000 -

The Military authorities have accorded their approval to the Estimate, Vizt -

I have the honour to be
Sir,
Your most Obedt Servant

Herbert Abbott Captain R.E.
District Engineer Hazaribagh

Public Works Depart.

Proceedings of the Madras Govt.

Read the following:-

From,

The District Engineer, Bangalore } (M. E. Rs. 8 @ 10% 24/14)
" Do Do - (" " " 12 " 20 " 20)
" Do Do - (" " " 25 " 30 " 20)

Dated 20th Nov. 1873.

Rec'd 1st May 1874.

Encloses 4.

Forwarding his remarks on a proposal submitted with those letters that a change of site originally proposed for the 2 Staff Sergeants' Quarters of the Commissariat Department at Bangalore involve an increase of cost of 20 per cent on the Estimate of Rs 7000 sanctioned in G.O. No. 3660 of

No 2312

This is really a very important change and has by future approved for Fort St. George & the Govt. Establishments returned by Audit and incorporated in a Government Selection on the Madras Board. It was always part of my plan for the Conversion of the old Staff Barracks into Govt. Offices & Stores & for a Govt. Retained Fund as that purpose. I regret it should have fallen out of

Dated 20th Nov. 1873.

Rec'd 1st May 1874.

Encloses 4.

From the Chief Engineer Q.F.F. Madras.

To the Secretary to Government Public Works Department.

Forwarding a proposal to erect Staff Sergeants' Quarters at Bangalore.

Ordered -

Submit to Govt. in Military Dept.

Copy to Audit.

Copy to Chief Engineer Bangalore.

Copy to Commissariat Department.

Copy to Accountant General.

Copy to Military Auditor.

Copy to Military Auditor.

of 24th October 1869- of the excess of Rs 1,400, Rs 600 is due to the extra cost of the Quarters themselves being built detached instead of semi detached; Rs 465 is due to the cost of new Gate and Railing between them forming an ornamental entrance to the Commissariat Square; Rs 215 is the cost of dismantling part of the old Barracks to form the new site and Rs 220 is the cost of conversion of part of the old Barracks into a new Guard Room- The alterations and additions are judicious and

Original plan and Estimate
20-5-74

and meet with the approval of His Excellency the Governor in Council, and the extra cost will be allotted from the Reserve under Military- But the District Engineer is called to order with reference this irregular proceeding in unnecessarily altering them without sanction, or even subsequent revision of the necessary revised Plans and Estimates; which he had had ample time to send in before

the date of promulgation
of the Budget and the
commencement of the
official year. If it
does trouble in the
end to act strictly
in conformity with
recommended regulations,
and free the officers
concerned from the
botheration of necessa-
-ary reconsideration.

Canon.

To the D. E. Bangalore
" Military Dept
" Contractors with M. Estimate
C. Copies despd to all 29/8/74.

439 — 432

Ci 19/8/74 RB-26/8/74

215 Vol 3
238 259 V

Govt. of Mysore
PUBLIC WORKS.

☆

To
The Asst. Engr
Bangalore.

Dated

Read

Date 3

Ref. to Govt. Order No. 1002

No 435-442

Staff Serjeants Quarters
of the Commissariat Dept.
at Bangalore – Site allot-
ment and abolition of the
Quarters, consequent on the
change of site originally
proposed and involving an
excess outlay of Rs. 1400
disapproved, and the Asst Engr
called to order in connection
with this irregular proceeding
& unauthorized item of expenditure
in the above estimate.