M.R.O. 1—10,006—28-2-50

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works. DEPARTMENT

G.O. No.	2665	Press
~~B.P. No.~~ 395-396		~~Mis.~~
Dated 18-9-1874		~~195~~ .

Not to be folded or roughly handled

No. 395. Read the following letter from G. D. WYBROW, Esq., Officiating District Engineer, Trichinopoly, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated 18th August 1874, No. 154 :—

I HAVE the honor to forward for sanction, plan and estimate, amounting to Rupees 3,600, for adding verandahs on three sides of the quarters of the Warrant Officers now under construction on an estimate of Rupees 10,800, sanctioned in G. O., No. 3,578, dated 8th November 1869.

2. Two of the quarters have been fully completed with out-houses. Before commencing the third building Major Prendergast made a reference to the late Inspecting Engineer, Civil and Military Buildings, stating that he considered the design most unsuitable for a hot climate such as that of Trichinopoly. The Brigadier General Commanding Southern District, moreover, ordered a Medical Committee to report on the buildings as they are at present.

3. The plan and estimate now submitted are in accordance with the recommendations of a Medical Committee, as per their Proceedings, dated 16th June 1874, and that of the Brigadier General Commanding Southern District.

4. The plan and estimate has received the approval of His Excellency the Commander-in-Chief. I have therefore the honor to solicit that Government will be pleased to sanction the estimate at an early date, and to allot the necessary funds for its completion before the end of the official year.

5. I may mention that I would have sent in a separate design for the third building yet to be constructed, but as the wood-work for the roof has already been prepared, I have been obliged to send in the design as originally sanctioned, with merely the addition of verandahs.

No. 396. ORDER THEREON, 18th September 1874, No. 2,665.

MILITARY WORKS, No. 11.

HIS Excellency the Governor in Council sanctions the supplemental estimate, amounting to Rupees 3,600, for adding verandahs to the Warrant Officers' quarters at Trichinopoly, which were sanctioned in G. O., No. 3,578, dated 8th November 1869.

2. It is observed that the outlay on each quarter has amounted to Rs. 3,600, and that the additions now approved will raise the cost to Rupees 4,800 each.

3. Funds will, if practicable, be provided from savings later in the year.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

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

Exd. S. T. Austin.
Spare Copies

Carried over ——— 5818

QUARTERMASTER-GENERAL'S OFFICE,
~~Fort Saint George,~~ 6th Augt. 1874.

No. 236

123/25

To

THE DISTRICT ENGINEER,
Trichinopoly

SIR,

Enclosures. 2

I HAVE the honor by order to return with the approval of His Excellency the Commander-in-Chief, the Plan and Estimate received with your letter, No. 305 dated 4th August 1874

Amounting to Rs. 3600 for adding a Verandah on 3 sides of the Quarters under Construction for a Sub Conductor and 2 Store Serjeants of the Ordnance Dept. at Trichinopoly

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

Brig-General
~~Colonel,~~
Quartermaster-General.

P.A.D.C.

From

The Quartermaster-General

Enclosure in a letter No. 154 from the District Engineer Trichinopoly to the Secretary to Govt. Fort St. George.

Dated } 187

Gl. No. 127 Jan. 74/75

No.

P. W. 5247/74

Returns with approval Plan and Estimate received with letter dated

Ag. J. 18 Sept. 1874

In B. No. 395

Military Trichinopoly District 51 New Work

Trichinopoly No. I Range

Detailed Estimate No. 6 of 1874-75

Work —— Constructing a Sub. Conductors Quarters, and Cut-houses, at Trichinopoly.

Particulars	No.	Measurement L.	B.	H.	Contents
Foundations					
Walls of Main Building	1	100	3	4	1200
Division wall	1	15	3	4	180
Side Rooms in Rear	1	53	2½	4	530
Division wall	1	9	2½	4	90
Side Rooms in front	1	53	2½	4	530
Division wall	1	9	2½	4	90
Steps large	1	7½	5¼	1½	59 1/16
Steps Small	1	4	5¼	1½	31½
Verandah Pillars	17	2½	2½	4	425
Retaining wall of Verandah	1	133½	1½	2	400½
Total foundations					3536 1/16
Basements					
Walls of Main Building	1	115¾	2¼	3	781 5/16
Side Rooms in front & rear	1	126¾	2	3	760½
Verandah Pillars	17	2	2	3	204
Steps large	1	7½	5	1½	56¼
Steps Small	1	4	5	1½	30
Total Basements					1832 1/16
Superstructure					
Walls above Main Building	1	116	2	18¼	4234
Gables to —— Do ——	1	54	2	2⅔	288
Verandah Rooms in rear	1	64	1½	13½	1296
Carried over					5818

Brought forward					5818
Open Verandah	1	12	1½	13½	243
Cornice to Gable ends & Co[d] Tiled Roof	1	48	¾	¾	27
Cornice to Terraced Verandah	1	117	¾	¾	65 13/16
Side Room in front	1	34	1½	13½	688½
Parapets	1	105	1⅛	1¼	147 21/32
Verandah Pillars	17	1½	1½	7½	286⅛
Total Superstructure					7276 27/32
Deductions					
Doors 8' × 4	4	8	4	2	256
Do 8 × 8'	4	8	3	1½	144
Windows 4' × 5	1	4	5	1½	30
Do 3' × 4'	6	4	3	1½	108
Ventilators 4' × 1½	4	4	2	1½	48
Total					586
Flat Archwork					
Open large Doors in Main Building	4	5	2	1½	60
Small Doors	3	4	1½	1½	27
Small Door in Main Building	1	4	2	1½	12
Large Window in Bath Room	1	5	1½	1½	11¼
Small Do in front & rear Rooms	6	4	1½	1½	54
Ventilators	4	4¾	1½	1½	42¾
Total C/ft Flat Archwork					207
Total Deductions					793
Total C/ft Brick in Chunam					11851 31/32
Plastering					
2 Main Rooms	1	120	"	18½	2220
Gables Do inside Only	1	64	"	2⅔	170⅔
Carried Over					2390⅔

Brought forward					2390⅔
Small Room in front & rear	1	84	"	13½	1134
Open Verandah inside	1	45	"	13½	607½
Each Side of Rooms in front and Rear	1	96	"	13½	1296
Front & Rear of Main Rooms	1	40	"	18½	740
Gables & Cornice	1	40	"	4	160
Room in Rear	1	57	"	13½	769½
Cornice of Terraced Roof	1	117	"	1	117
Parapets	1	105	"	3⅝	380⅝
2 Sides of Main tiled Roof above Terrace	1	68	"	3¾	255
Tread of Steps	1	67½	"	1	67½
Ends	1	12	"	2½	30
Basement all Round	1	210	"	3	630
Pillars	17	6	"	7½	765
Total Sft Plastering					9342 12/24
or Squares Do					93 2/5
Flooring					
2 Rooms Main Building	1	27½	15¾	"	433⅛
Store and Bath Rooms	2	9⅝	10½	"	202⅛
Entrance	1	19½	9⅝	"	187 11/16
Side Room in Rear	1	18	9⅝	"	173¼
Verandah front and part of Ends	1	72¾	7½	"	545⅝
Ends	1	60¾	7⅝	"	463 7/32
Total					2005 1/32
Deduct for Pillars	15	2	½	"	15
Total Sft of Paving floor with wall brick on edge					1990 1/32

Roofing Main Building with flak & pantile & and Chunam borders	1	35	25½		892½
Terraced Roof over Verandah with Terrace brick on Edge 3 Courses of flak tiles and 3 Coats of Superior Plastering to the Ciling	1	65¾	11½		756½
Roofing Verandah with Palmyrah, Rafters, Reepers Nails, flak & pan tiles & Chunam borders including Tarring &c Complete	1	140	12½		1750
Wood-work					
17 Couples to 2 Main Rooms 18'x16, and 10'x16	34	13	3¾	6	9282
Large ties & Collar pieces	17	13	3	6	3978
Small Do	17	6½	3	6	1989
Reepers	1	900	2	5/8	2375.
Wall plates to Main Building	2	28	4	2	448
Beam Over Entrance	1	10	6	9	540
Beam at End of Open Verandah	1	12	6	9	648
38 Joists 7 for each small Room 12 each large room	38	14½	3	4½	5899½
Wall plates to Terraced roof	1	21	4	2	168
	3	31	4	2	744.
Breastsummers for Verandah	1	156	5	7	5460
Purlins to Support Verandah Rafters	1	120	3½	5	2100
Total Inches					33,631½
Total Cft of Teakwood wrought & put up.					233 23/96
Teakwood ½ Pannelled and ½ Venetianed Doors with frames Iron Work &c Complete	4	4	8		4
Batten Doors with frames Iron work &c Complete	4	3	8		4
Venitianed window with frames Iron work Complete					
Shutters to be divided into 4 parts	1	5	4		
Do Do Small	6	4	3		6
Ventilators with frames, Sun Shades. Swinging Shutters of board &c Complete	4	4	4½		4
Wood Oil to Doors, Windows and Ventilators	22				22
Scaffolding					

Stone Brackets including
fixing — 15 — 15

Sft weather Boards including
fixing — 2 | 4½ | 2½ | 4 | 22½

Sundries and Contingencies

Cook Room

Foundations to Cook Room — 50 | 2½ | 3 | 375
Basements — 50 | 2 | 1½ | 150
Steps — 4½ | 1 | ¾ | 3 3/8
Superstructure — 50 | ½ | 10½ | 787½
Cornice — 59 | ¾ | ¾ | 33 3/16
Foundation & Superstructure — 6 | 1½ | 3 | 27
Of Chimney flue 2½"×6" — 6 | 1¾ | ½ | 15¾
One Brick or 9" thick — 6 | 2 | 3 | 36
at base & 6 at top & to be
raised 12 ft in height above
fire place — 8½ | ⅝ | 12 | 63¾
Parapets — 48 | ⅛ | 1' | 54
Cft — 1545 9/16

Deductions

1 Door 4½ ×6×1½ = 40½; 2 windows 3½ ×
3½ × 1½ = 36¾; 40½ + 36¾ = 77¼ — 77¼

Total Cft Brick in Chunam — 1468 5/16

Plastering Cornice Roof — 48 — 10½ — 504
" Outside & Cornice — 56 — ½ — 672
" Parapets and Chimney — 96 — ½ — 144 2/
" Basement — 58 — 1¾ — 101½
Sft Plastering with one Coat of Chunam — 1421½
— — 11½ | 9½ — 109¼ 357/384
Deduct fire place — 12¼
Sft Paving floor with Cut stone — 97

Sft Terraced roof with Terrace
bricks on Edge 3 Courses of
flat tiles Jelly & 3 Courses of
Superior Plastering — 15 | 12 — 180
Sft Sun shade roof in front
of Cook Room with Palmyrah
rafters, Reepers, Nails, flat
& pan tiles & Chunam borders — 8 | 7 — 56
2 Country wood posts for the
Support of the above roof
well turned — 7' 6" in Dia
Country wood Breastsummer — 8' 5" 7" 1 9/16
7 Teak wood joists for Cook
room wrought & put up — 11 | 2½ | 4½ — 6 1/16
Country wood Batten Door with
frame Iron work Complete — 1 | 4½ | 6 — 1
Do Do Windows with wooden
bars Iron work Complete — 2 | 3½ | 3½ — 2
Moveable Metal Door to be placed
at the Top of Chimney Opened

& closed when requisite thro' the
Ingram of Rope and Pulley — 1 3 1
Sft. Country wood shelves for
Cook Room — 20 1½ 30
Excavating and filling
Sundries & Contingencies
Total for Cook Room

Privy

Foundation — 30 2½ 3 225
Traverse wall — 9¼ 2½ 3 69⅜
Basement — 30 2 1½ 90
9¼ 2 1½ 27¾

Superstructure

Privy walls above — 30 1½ 10½ 472½
Traverse wall including Coping — 9 1½ 6 67½
Cornice — 39 ¾ ¾ 21 15/16
Parapets — 28 1½ 1 31½
100 5/16
Deduct 1 Door 3×6×1½ = 27
4 3 air holes 3×1½×½ = 20½ = 47¼ — 47¼
C/f Brick in Chunam — 958 7/16

Plastering

Privy — 24 10½ 252
34¾ 12 417
Traverse wall — 19¼ 6½ 125⅛
Basement — 52¼ 1¾ 91 7/16
Parapet — 52 1½ 78
Sft. Plastering — 963 9/16

Flooring with Asphalte ¾ inch
1½ Sand to 1 C/f Asphalte
with a Course C/f Bricks laid
flat in Chunam underneath — 5½ 5½ 30¼

Sft. Terraced roof with terrace bricks
On edge 3 Courses C/f flat tiles gelly
& 3 Coats C/f Superior Plastering — 9 9 81

C/f C/f 5 joists each 7½ × 2½ × 4½
Teakwood wrought & put up — 7½ 2½ 4½ 2 35/384

Country wood bartten Door with
strong Iron work Complete — 1 6 3 1

Teak wood Cross for air
holes — 3 3½ 2 3

Excavating & filling

Sundries & Contingencies

Trichinopoly
June 1874.

Signed J. D. Ramaswamiah
In Charge Contt. works

Signed W. M. Lack Conductor
Superviser in Charge Trichy
G. D. Ryots. Range

Distrect Engineer's Office
25th July 1874.

Offg. District Engineer
Trichinopoly.

District Engineers Office
18th August 1874

No 154

From The District Engineer
Trichinopoly

To The Secretary to Government
D.P.W.

Sir,

I have the honor to forward for Sanction Plan & Estimate Amounting to Rupees 3600 for adding Verandahs on 3 Sides of the Quarters of the Warrant Officers now under Construction on an Estimate of Rs 10800. Sanctioned in G.O. No 3578 dated 8th November 1869.

2 Two of the quarters have been fully completed with out houses. Before commencing the 3d building Major Prendergast made a reference to the late Inspecting Engineer Civil & Military Buildings stating that he considered the design most unsuitable for a hot climate such as that of Trichinopoly. The

Encl. 3 –

Trichinopoly District

Trichinopoly No. I
Range

Military

New Works

Estimate No 9 of 1874-75

P.C. No 18 dated 7th Augt 1874
In M. No 395
P.W. 5247/74

2 Quarters

Work – Constructing a Sub Conductors Quarters, and Out-houses at Trichinopoly

Estimate Rs 3,600

Accounts

Brigadier General Commanding Southern District moreover ordered a Medical Committee to report on the buildings as they are at present.

3. The plans & Estimate submitted are in accordance with the recommendations of a Medical Committee as per their Proceedings dated 16th June 1874, and that of the Brigadier General Commanding Southern District.

4. The Plans & Estimate has received the approval of His Excellency the Commander-in-Chief. I have therefore the honor to solicit that Government will be pleased to sanction the Estimate at an early date, and to allot the necessary funds for its completion before the end of the Official year.

5 I may mention that I would have sent in a separate design for the 2d building yet to be constructed but as the wood work for the roof has already been prepared I have been obliged to send in the design as originally sanctioned with merely the addition of verandahs.

I have the honor to be
Sir
Your most. Obed't Serv't

G. W. Ogbourne
Offg Dist Supt Sickly

Public Works Depart.

Proceedings of the Madras Govt

Read the following

from

The Dt Engr Trichinopoly / No 854 dated

18th August 1874

2665

His Excellency the

Governor in Council

sanctions the sup-

plemental estimate

amounting to Rs 3,600

for adding verandahs

to the Warrant officers

Quarters at Trichi-

nopoly which were

duly sanctioned

to G. O. No 3578 dated

8th November 1869.

It is observed

that the outlay on

each

P. W. D. 1874 Department.

From The Secretary to Govt

To The Director of Public Works

No 5247

Dated Fort St George the 19th August 1874

Received 21st August 1874

Public Works Department

Section

No 2665 of 1874.

Submitted for sanction

Plan & Estimate for

Construction verandahs for

to the Quarters of the

Warrant Officers

Trichinopoly

Oct 28/75

Copied by [illegible]

each quarter has amounted to Rs 3,600 and that the additions now approved will raise the cost to Rs 4,800 each.

Funds will if practicable be provided from savings later in the year.

Issues

45

To Supdt Engr Trichinopoly
" Contractor Ab Rahuntar
" Daily Diary

Copies dispd 24/9/74.

395-396

Letter 29/8/74 Rd 9/9/74

Public Works Department

23A

Letter from the District Engineer Trichinopoly, No 154, dated 18th August/74.

For Orders.

Submitted for orders with remark that the Government of India standard Plan has been carried out, that each Sergeants' Quarter has cost Rs 3,600 and that the additions proposed will raise the cost of each Quarter to Rs 4,800.

Commr & Chief Engr
Secy: to Government
8/9/74.

To Secretary to Govt
C. E. approves
26/9

This additional outlay beyond that contemplated in standard plan is forced upon us by climate.

E. S.

E. S.

5247

Govt. of 1874 Madras.

PUBLIC WORKS.

☆

To

The Dist. Supr.
Trichinopoly

Dated

Recd. Encl. 3

G. O. 18 Sept 1874, No. 2665

Nos. 395-396

Verandahs to the Warrant Officers Quarters at Trichinopoly

Supplemental Estimate amounting to Rs. 3,600 for adding verandahs to the Quarters, sanctioned with remarks.