

(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.	439	Press
~~B.P.~~ No.		Mis.
Dated	16 - 2	1875
		-195

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
16th February 1875.

Read the following letters :—

No. 369. From Major J. BEATTY, R.E., District Engineer, Vizagapatam, to Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, dated Waltair, 20th October 1873, No. 1,338.

I HAVE the honor to submit herewith a revised estimate* for constructing a District Engineer's office, with accommodation for Overseer's Office and Stores at Waltair.

- 1 Plan of District Engineer's Office.
- 1 Site Plan.
- 1 Abstract Estimate.
- 1 General Abstract.
- 1 Specification.

2. The plan and estimate for a Range Office for No. I. Range at Yellamunchelly has already been submitted

* Estimate No. 5, amounting to Rupees 7,635. with my letter No. 1,187 of 23rd September 1873, and the plan and estimate of the Vizianagram Range Office will follow in a few days.

No. 370. From Captain J. W. HINDLE, Officiating District Engineer, Vizagapatam, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Waltair, 13th August 1874, No. 927.

I HAVE the honor to submit, herewith, plans and estimates for constructing Range and Overseer's Offices as per margin, and to request you will be good enough to obtain the sanction of Government for the same.

Range Office at Vizianagram	RS. 3,350
Overseer's Offices at Bimlipatam, Narsipatam, and Parvatipore	2,400

2. The accommodation in both sets of plans has been arranged according to the instructions received from the Inspecting Engineer for Buildings.

No. 371. ORDER THEREON, 16th February 1875, No. 439.

CIVIL WORKS, No. 26.

Main building	...	...	...	...	RS. 6,710
Tiffin shed	...	...	...	...	178
Stable	...	...	...	...	336
Latrine	...	...	...	...	178
Compensation	...	...	...	...	113
Alce hedge	...	...	...	...	120
					7,635

In the first of the above letters the District Engineer submits plan and estimates for constructing a District Engineer's Office with accommodation for Overseer's office and stores at Waltair, amounting in all to Rupees 7,635, the dimensions of the rooms being as follows :—

	FT.	FT.
District Engineer's room	...	20 × 18
Clerks' do.	...	30 × 18
Record do.	...	18 × 18
Overseer's do.	...	12 × 18
Store do.	...	26 × 18

with a verandah to the front and rear 8½ feet clear, two corners of which are to be cut off for private room and instruments.

2. The accommodation appears ample and suitable, and the plan and estimate are accordingly approved and provision of Rupees 5,000 will be made if possible in the Budget Estimate for 1875-76.

Proceedings of the Madras Government, Public Works Department,
16th February 1875.

3. In the second letter plan and estimates are submitted for Range and Overseer's Office at Vizianagram at a cost of Rupees 3,350; and for three Overseers' Offices at Bimlipatam, Narsipatam, and Parvatipore at a further total cost of Rupees 2,400.

4. His Excellency the Governor in Council observes that these latter are intended for Local Fund Overseers and cannot be provided for, as there are only three Imperial Overseers in the district and three offices only can be sanctioned from Provincial Funds, one attached to each Range Officer, and one to the District Engineer's Office.

5. The Range Office for Vizianagram is approved, and Rupees 3,000 will if possible be provided in 1875-76, the accommodation being as follows:—

	FT.	FT.
Officer's room	...	15 × 15
Clerks' do.	...	15 × 20
Overseer's do.	...	15 × 10

with 6½ feet verandah, two corners cut off for stores, one for bath-room.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the District Engineer, Vizagapatam.
" Controller of Public Works Accounts.

Exd. S. I. Austin.
Spare Copies

General Abstract of the Estimate for constructing a
District Engineer's Office, with accommodation for Overseer's Office
and Stores; at Waltair.

I Main Building	Rs... 6710
Deduct the Cost of Back Verandah to be omitted including Simultaneous	" 353
	6357
II Clerks dining Shed	" 178
III Stable	" 336
IV Latrine	" 178
V Compensation for Land	" 113
VI Aloe hedge	" 120
Grand Total Rupees	6590. 7635

L. Beatty Major R.E.
District Engineer of
Vizagapatam

51
Specification to accompany a Plan and Estimate
for a District Engineer's Office, with accommodation
for Overseer's Office and stores; proposed to be con-
structed at Waltair

Amount of Estimate Rs. ^{6590.}~~7635~~

Concrete work.

To be one foot thick under the foundations
throughout the buildings, and to project six inches
on either side of the bottom of the foundations.

The concrete is to be composed of one part
broken brick, two parts of broken stone, two parts
of coarse sand, and one part of kunker lime; and
is to be laid in a semifluid state, & well rammed
and allowed to set before the foundations are
put on it.

Rubble masonry
in Chunam

At The foundation, basement, and
walls of main and out buildings, are to be of rough
stone in chunam. The work to be carried up in
courses of two feet in height all over, and through
stones introduced in each course at six feet intervals.

Brick work
in Chunam

The tops of all walls to be of brick in chunam,
built to a depth of one and half foot over the
rubble masonry. The bricks for the work to be
well saturated with water, and laid in regular
bonds

Mr. Jagadish Chandra

Incharge in a Letter
No. 9 April 1914.

General Abstract
of the Estimate for con-
structing a District
Engineer's Office at
Waltair.

Mr. L. G. S. / 14

Estimate Rs. ^{6590.}~~7635~~

bonds. The object of this work is as a protection to the roof from white ants.

The lintel arches over doors and windows of the main building are to be filled in with brick work three inches thick over the door frames.

To be built of well burnt bricks neatly ^{set} dressed. The doors and windows throughout the main building are to have semicircular arches; and those of the verandah rooms, are to have segmental arches, with a rise of six inches; and the arch work is to be eighteen inches thick throughout.

For arch work to be one part of kunker lime to one of sand, for rubble masonry to be one part of kunker lime to one and half of clean sharp sand.

The whole of the walls of the main building are to be plastered with two coats of chunam and two of whitewashing; the outer face of the walls to be grey washed. The walls of the out buildings are to be simply pointed with chunam.

The floor of main rooms, verandah and steps are to be paved with rectangular cut stone slabs, not less than three inches thick, in parallel courses, and pointed with bituminous mortar. The slabs to be laid on six inches of sand well rammed.

The Clerk's dining shed is to have a concrete flooring.

Flooring with asphaltic

Roofing

Chunam

Plastering white & grey washing

Flooring with stone

Wood work

flooring well rammed and smoothed. The floor of the stable to be coated with gravel, six inches thick.

The floors of the verandah rooms of the main building and latrine are to be asphalted three-fourths inch thick, laid over stone jelly, with a levelling course of concrete (fine) in all six inches. The tops of the basements are also to be asphalted three-fourths inch thick, to prevent white ants getting into the walls.

The main building is to be covered with tiling on country wood rafters, salwood reepers, nails, flat & fan tiles, resting on salwood trusses, purlins, ridge beams, and wall plates. The verandah roof is to be sloping, terrace on salwood rafters, reepers, nails, flat & fan tiles. The roofs of the out buildings are also to be covered with tiling on palmira couples, reepers, nails, flat & fan tiles. The whole of the wood work to be well tarred.

All the wood work used in the roof throughout the main building is to be of the best salwood free from cracks and flaws.

The wood work of the out buildings is to be of the best description of country wood procurable, dammer.

dammer at Yeggit.

The main rooms are to have four pairs of teak Doors & Windows wood one-third pannelled and two-thirds venetian doors, five pairs of teak wood batten doors, five pairs of batten windows and nine pairs of teak wood venetian windows. The verandah rooms are to have two pairs of teak wood batten doors, one teak wood batten window, and one iron-barred window, with teakwood shutters. The doors and windows are to be coated with two coats of Verdigris green paint, and to be prepared according to the dimensions shown on the drawing, which are all to be taken to the inside of the frames.

There will be four shelves inserted in the wall of the Clerks and Overseers rooms for the purpose of receiving records. Shelves

The building is to stand in a compound 214 x 115 surrounded by a fence of aloes, planted on a small earthen bank. Compound

Creatty - Major R. E.

District Engineer Birgaon
J. P. K. S.

Camp 1910

Viragapatam District

Encls. in letter N^o
Df April 1874

Specification to accom-
pany a Plan & Estimate
for a District Engineer's
Office. at Waltair

Nr 4929/74
3

Estimate No. 6590.
7635

N^o 1338

District Engineer's Office
Waltair 20th October 1873.

From

The District Engineer
Viragapatam

The Inspecting Engineer
for Civil & Military Buildings

Sir,

I have the honor to submit herewith a
Revised Estimate for constructing a District
Engineer's Office, with accommodation for Over-
seers' Offices and Stores, at Waltair.

2. The Plan and Estimate for a Range Office
for N^o I Range at Yellamunchelly has already
been submitted with my letter N^o 1187 of 23rd Sept. 1873,
and the plan and estimate of the Virianagram
Range Office will follow in a few days.

I have the honor to be
Sir

Your most obdt. Servt.

L. Beatty Major R.E.
District Engineer Viragapatam

Enclosures. 5.
1. Plan of D.E. Office
1. Site Plan
1. Abstract este.
1. General Abstract
1. Specification

* Estimate N^o 5
amounting to
Rs. 7635.

DEPARTMENT. *P.W.*

NEW WORK.

Abstract Estimate No. 17 of 1874-75

TALUQS. *Bimlipatam, Murupatam, and Parvatipore*
DISTRICT *Vizagapatam*WORK. *Constructing 3 Overseers Offices and Stores proposed to be constructed at Bimlipatam, Murupatam, and Parvatipore.*

Quantity or Number.	Description of Work.	Rate.	Per Item.	Amount.	Total.
15 ⁷ / ₉	Cyds of Concrete work	1 8	Cyds	23 10 8	
103 ⁷ / ₄₈	Cyds of rough stone in chunam	1 12	do	180 13 11	
10 ⁵ / ₁₂	Cyds of Brick in chunam	2 1/2	do	29 15 2	
2 1/8	Cyds of flat arch work brick in chunam	4 1/2	do	10 1 6	
2.02	Sqrs of sulphate 3/4 inch thick laid over basements	2 1/2	Sqrs	48 7 8	
26.07 1/2	Sqrs of Plastering with 2 coats of chunam and whitewashing	2 6	do	61 14 11	
5.56 1/2	Sqrs of cut stone flooring in parallel courses	11	do	61 3 5	
9.76 1/2	Sqrs of Roofing with country wood couples with double collar pieces, reapers, nails flat and pannels, & chunam borders complete	20	do	195 1 9	
15.50	Cft of best country wood wrought and put up	1 8	Cft	23 4	
3	Pairs of teak wood Catter doors with frames, iron fixtures & complete, inside dimensions 3x6	18	Each	54	
2	Pairs of teak wood Catter windows with frames, iron fixtures & complete, inside dimensions 3x4 1/2	13 8	do	27	
1	D. D. D. with iron Bars D.	24	do	24	

D. N. 1874. D. M. E.
From No. 1 of 1874. D. M. E.
The District Engineer
VizagapatamThe District Engineer
for Civil & Military CivilDate 20th October 1873.
Recd. 3rd August 1874

No. 1338.

Encls. 5.

Submitting a Demand etc.

mate for constructing a District

Engineer's Office with ac-

commodations for over-

seers' Office and store

at Waltair.

M. G. 11. 12. 1873

14. 439

Excavating foundations

P.O. 739 12

5

744 12

Contingencies & Superintendence 78. Cent 554

Total Rupees for one 800

Total Rupees for three 2400

Executive Engineer Office

Visianagaram 22 June 1874

Pd. H. J. Nordmann

Executive Engineer, Visianagaram

This is to certify that the undersigned considers that this Estimate provides for every thing necessary, and that no supplementary works will afterwards be required.

Pd. H. J. Nordmann

Executive Engineer, Visianagaram

M. N. Mudd, Captain

Off. District Engineer, Vizagapatam

1574

Specification to accompany Plan &
 Estimate for constructing a Range Office
 for the Virianagram Range :-

Amount of Estimate Rs. 3350.

etc. work

There will be concrete below all the foundations of the building, to a depth of one foot and will project 6 inches on either side of the foundations.

masonry

All the foundations, and basements, are to be of Rough stone in chunam; walls

above are also to be built of rough stone in chunam, to the height of 18 inches below the rafters, which will be built of brick in chunam; for the prevention of white ants attacking the scantling of the wood work.

work

To be built of well burnt bricks in Chunam $1\frac{1}{2}$ feet thick throughout.

washing

The whole of the walls are to be plastered with 2 coats of chunam, white washed inside and blue washed outside of the whole building.

flooring

The verandah rooms are to be asphalted $\frac{3}{4}$ inch thick, laid on a bed of concrete 6" deep. The whole of the walls on the top of basement are to be asphalted $\frac{3}{4}$ inch thick. All

P. N. 5249/71

Abstract Estimate of
 the probable cost of con-
 -structing 3 Overcast Pipes
 and stores proposed to
 be constructed at Chin-
 -kastam, Mandiastam,
 and Parvatigore.

Estimate Subject 2400

All the main rooms and verandahs are to be paved with rectangular cutstone slabs in parallel courses. Flooring

To be of cutstone, tread one foot, rise 6 inches on a bed of Roughstone in chunam one foot deep. Steps

Main building is to be of palmyrah wood rafters and saul wood piers, nails, flat and pantiles, and chunam borders, resting on saul wood trusses, with purlins, ridge poles, principal rafters &c complete. Roofing

The whole of the verandah roof is to be of saulwood rafters, piers nails flat and pan tiles and chunam borders &c complete.

There will be six double pairs of teakwood doors outside $\frac{1}{3}$ pannelled and $\frac{2}{3}$ venetian, and inside $\frac{1}{3}$ pannelled and $\frac{2}{3}$ glazed shutters, with frames iron fixtures &c complete. Doors & Windows

Three pairs of teak wood batten doors with frames iron fixtures &c complete.

Four double pairs of teakwood windows; one side venetian and the other side glazed shutters with frames iron fixtures

fixtures &c complete. Two pairs of teak wood venetian windows with frames iron fixtures &c complete. Four pairs of teakwood batten windows with iron bars, frames, iron fixtures &c complete. There will be 6 shelves inserted in the walls for the purpose of receiving records.

Executive Engineer's Office
Vernanagaram 15th June 1874

Signed, H. F. Nordmann
Executive Engineer
Vernanagaram

M. M. Mundle Captain
Off. District Engineer
Vernanagaram

Specification to accompany Plan and Estimate
for constructing an Overseers Office and stores at
Bimlipatam, Nursipatam, and Parvatipore:-

Amount of Estimate Rs. 2400.

Concrete work.—— There will be concrete below all the found-
-dations of the building to a depth of one foot and
will project 6 inches on either side of the foundations.

Rubble Masonry.—— All the foundations, and basements, are
to be of Rough stone in chunam. Walls above are
also to be built of rough stone in chunam, to the
height of 18 inches below the rafters, which will
be built of brick in chunam for the prevention of
white ants attacking the scantling of the wood work.

Arch work.—— To be built of well burnt bricks in chu-
-nam $1\frac{1}{2}$ feet thick throughout.

Plastering and
Whitewashing.} The whole of the walls are to be plastered
with 2 coats of chunam, white washed inside
and blue washed outside of the whole building.

Flooring.—— The verandah and rooms are to be paved
with rectangular cutstone slabs in parallel courses.

Steps.—— To be of cutstone, tread one foot, rise 6
inches on a bed of rough stone in chunam one foot deep.

Rs. 5249/74

Specification to accompany
Plan and Estimate for
constructing a Range Office
for the Visumagram Range
at Visumagram.

Estimate Rs. 3350

NO. 927

Vizagapatam District Engineer's Office
WALTAIR 13th August 1871

From

Offg.
THE DISTRICT ENGINEER
VIZAGAPATAM

To

THE Secretary to Government P.W.D.
Madras

SIR,

I have the honor to submit herewith
Plans and Estimates for constructing Range
and Overseers Offices as per margin, and to
request you will be good enough to obtain
the sanction of Government for the same.

The accommodation in both sets of
plans has been arranged according to the
instructions received from the Inspecting
Engineer for Buildings.

I have the honor to be
Sir,

Your most obtt. Servt.

M Windle Captain
Offg. District Engineer Vizagapatam

Plans and Estimates for Overseers Offices at Vizagapatam }
and Parvathipore } — 2,400

2
S.M. 5249/71
Specifications to accompany
Plan and Estimate for
Constructing an Overseers
Office and Store at Vin-
katam, Vizagapatam, and
Parvathipore.

Estimate Rs. 2400.

P. W. D.

Proceedings of the Madras Government,

Under date the

187 .

Read the following:—

From the District Engineer, Vizagapatam } (N. 1338 d/20 Oct 1873)
Do Do } (N. 927 d/13 Aug 1874)

In the first of the above letters the District Engineer submits Plan and Estimates for constructing a District Engineer's Office with accommodation for Officer's Office and Stores at Ballari, amounting ^{in all} to Rs 7635. the dimensions of the rooms being as follows:—

District Engineer's Room	84	84
Clerks' do	30	18
Records do	18	18
Officer's do	12	18
Store do	26	18

with a verandah to the front

Main Building	Rs 6710
Office Shed	178
Stable	336
Latrine	178
Compensation	113
Alar Hedge	120
Total	Rs 7635

To the Secretary to Govt. Madras
The District Engineer, Vizagapatam

Dated 13th Dec. 21st August 1874

Submitting Plans and Estimates for construction of Range and Engineer's Offices for sanction.
N. 927
N. 1338-16 Feb 1875 N. 1339

front and rear 8½ ft clear
2 corners of which are to be
cut off for private room and
instruments.

The accommodation
appears ample and suitable;
and the plan and estimate
are accordingly approved
and provision of Rs 5000
will be made ^{if possible} in the Budget
estimate for 1875-76.

In the second letter
Plans and estimates are
submitted for Range and
Officers Office at Vizianagram
at a cost of Rs 3350; and for
3 Officers Offices at Bimli-
patam, Narsipatam and
Parvatipore at a further total
cost of Rupees 2400.

His Excellency the Governor

in learned observes that
these latter are intended for
Local Fund Officers and
cannot be provided for,
as there are only 3 Imperial
Officers in the District and
3 Offices only can be sanc-
tioned from Provincial Funds,
one attached to each Range
Officer, and one to the District
Engineer's Office.

The Range Office for
Vizianagram is approved
and Rupees 3000 ^{if possible} will be
provided for in 1875-76: the
accommodation being as
follows:-

	ft	ft
Officers Room	15	15
Clerks—do—	15	20
Officers—do—	15	10

with 6½ ft verandah. 2
corners cut off for stores
for Bathrooms.

C. M. W.

To Dist Surg Vizianagram
Cut 18th Dec 1874 With 2 Estimates dated 17-2-75

4929
5249
Govt. of 1875 Madras.
PUBLIC WORKS.

To

The Dist. Engr.
Vijayapattam

Dated

Recd.

Encl. 10

G. O. 16 Feb. 1875 No. 439.

Nos. 369-391.

Dist. Engineer's Office
with accommodation for
Overseers Office ^{and} stores at
Kallair - Vijayapattam S.

Plan & Estimate for the Office
approved & provision of Rs. 5000
to be made if possible in the
Budget Estimate for 1875/76.
~~as well as~~ and that of
Rs. 3350 for Overseers Office
at Vijayanagram, sanctioned
from Provincial Funds.