

*Proceedings of the Madras Government, Public Works Department,
12th November 1875.*

No. 268. Read the following letter from Major J. N. HUNTER, R E, District Engineer, Salem, to Major-General G. W. WALKER, R E, Chief Engineer, Public Works Department, dated Salem, 27th October 1875, No. 97 —

I HAVE the honor to forward, for the sanction of Government, an estimate of Rupees 900 for constructing an Overseer's Office at Sunkerrydroog, Trichengode Taluq. The estimate has been prepared in accordance with the standard design circulated with your memorandum, No. 262, dated 8th March 1875.

- 1 Detailed Estimate
- 1 Abstract Estimate.
- 1 Plan.
- 1 Site Plan
- 1 Specification.

* Communicated in G O, No. 141, dated 19th August 1875, Public Works Department

2. Government in their Order*, No. 1,573, of the 30th July last, in the Financial Department, granted funds for this work.

No. 269. ORDER THEREON, 12th November 1875, No. 3,226.

CIVIL WORKS, No. 18.

THE estimate is sanctioned, and the construction will be carried out as a Local Fund Work from the funds stated to be available in the Proceedings of the Revenue Board, No. 1,974, of 15th July 1875.

(True Extract)

Major-General, R E,
Secretary to Government.

To the District Engineer, Salem
„ Controller of Public Works Accounts.
„ Financial Department

Exd W J Lewis
Spare Copies

granted funds for this work.

I have the honor to be

Sir,

Your most Obedt. Servant,

W. W. Miller Major, R.E.,

District Engineer, Salem.

[Faint handwritten notes and signatures in the left margin, including "C. W. 8-11-75" and "J. W. Miller"]

1922
30-10-75

No. 1 - ESTIMATE PARTICULARS

Main Budget Head to which chargeable
*Local Funds,
Salem Circle.*

Purpose of work as given by District Engineer.
*Constructing an
enclosure or Lookout
at Sunken quarry*

Original sanction for the preparation of the
detailed estimate. Date and number sanction-
ing and Public Works Department
*Sept. 12/1875 of 30-7-75
P.W. 10/11 of 19-8-75.*

Amount of present estimate and its district
number
*No 900
127 of 1875-76*

Budget head to which chargeable if sanc-
tioned (in detail)
*New North
Civil Building*

Provision has been made in the Budget of
in anticipation
*Money to
(Yes or No)
be provided by L.D.
Board. Vide President's
letter recorded in P.W. 10/11
of 19-8-75.*

Brought forward as urgent.
(Yes or No, and if former, state by whom)

Not stated

Number on last revised list of works ap-
proved and brought forward in due order of
precedence

*Not entered in
the list.*
No Yes No

35

*The estimate is
sanctioned
District Engineer should
arrange with the President
of the Local Board &
the Controller of P.W. Accounts
for the necessary transfer
of funds.
Execution will be
carried out in the
local fund.*

DOCUMENTS IN FILE

From District Engineer—

*Salem*1 Covering letter No *97*, date *27-10-75*1 Letter from Range Officer, No. *111*, date *19-8-75*

1 Detailed Estimate

1 Abstract do.

1 Plan.

100 of Site

1 Specification Report.

From Office—

*Memo. No 262 of 8-3-75**Plan*Original sanction, No *111*, date *19-8-75*
for detailed estimate preparation.

Orders and Proceedings	No	Date.	Under P W D G O
P W Department			No Date
Public do			
Revenue do			
Financial do	<i>1575</i>	<i>30/7/75</i>	<i>111 19-8-75</i>
Military do			

CIRCULAR MEMORANDUM.

No. 262.

In forwarding for the guidance of the District Engineer a design for a 1st Class Range Office, a 1st Class Range and Overseer's Office connected, and an Overseer's Office, which have been drawn up by the Inspecting Engineer for Buildings in communication with the Chief Engineer, the undersigned is directed to record the following notes by the Chief Engineer for the information of Officers designing Offices for other classes of Range and for Sub-divisional Officers.

2 The principle on which the size of the office rooms should be based is that of a uniform area for each member of the Office Establishment, Draughtsmen being allowed double space. The strength of the 1st Class Range Establishment being compared with the space allotted on the standard design, the data for the proper reduction of space for the inferior classes can be easily obtained

3. The reduction above mentioned will be limited by the dimensions of the room assumed as the minimum for any office.

4 The minimum size of room for an office for a Range will be 12'x12'.

5. The dimensions of Officers' rooms for 2nd and 3rd Class Ranges are not to be less than those of the minimum Range Office, viz, 12'x12'. For a District Engineer's Office room 18'x18' would be a proper size.

6. Sub divisional and special Officers may be allowed three rooms 12'x12'.

7 For Stores a space equal to that of the office room should suffice.

8. The Plans lithographed embody the ideas of the Chief Engineer with the exceptions noted in them.

By Order,

FORT ST. GEORGE,
8th March 1875.

Major, R.E.,
Under Secretary to Government, P.W.D.

To Superintending Engineers
,, District Engineers
To the Executive Engineer, Wynaad

Exd S T Austin.

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Specification

Specification Report to accompany Plan and Estimate for constructing an Overseer's Office proposed to be built at Chinkerry Drog in Trichengode Taluq.

- Amount of Estimate Rs. 900 - - -

Excavation --- The excavation for foundation to be taken out to such a depth - as the Assistant Engineer may determine not exceeding 3 feet for the main and cross walls and $\frac{3}{4}$ foot for steps and the bottom taken out perfectly level any superfluous excavation at the sides to be filled in again and well rammed.

Foundation and Basement and Superstructure - Foundation and basement is to be of rough stone in chunam. Superstructure to be of well cut stone (procureable from the Fort) in chunam, 3 parts of sand to two of fresh and well burnt lime slaked on the work. The standing stones of fort wall, should, previous to their removal, be carefully numbered, that they may without difficulty be placed in the same relative position. A partial rearrangement of them will however be necessary, in such case the stones should

first course of stones must first be set accurately in their places be added in mortar, and adjusted to their positions by the line and plumb rule; the next course is then set upon the former course in a similar manner and built up as before till the whole work is completed.

The Gable ends are to be of best bricks in chumam, the bricks to be soaked in water before being used and the English bond to be observed throughout.

Flat - Arch Work. The arches to be neatly turned and only selected hard bricks used. Joints all to radiate correctly according to the nature of the arch - Joints not to exceed $\frac{1}{4}$ inch in thickness and to be scraped out before being plastered.

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

Pointing - The joints to be scraped out so as to receive a coat of fine stuff or lime putty well rubbed with a trowel and polished. The stuff to consist of 3 parts of lime to one of white sand.

Flooring - The basement to be

filled in with earth well watered and ⁶⁵rammed till thoroughly consolidated. Over this a flooring of stone slabs having a smooth surface to be laid on sand set in chumam, thus after fittings the stones to be removed, at least one inch and space filled in with chumam. The stones to be ^{then} jammed into position. The joints afterwards to be scraped out to a depth of $\frac{3}{4}$ inch and pointed with lime putty, joints not to exceed $\frac{1}{3}$ inch in thickness.

The floor of the Verandah to be 3" concrete over a layer of bricks and upon this a coat of asphalt 6" in thickness.

Timber - The whole of the timber to be of well seasoned and sound teak free from all shakes and knots and neatly finished off.

Roof - The Roof shall consist of well seasoned jungle wood couples and rafters, rippers, Flat and Pantiles Chumam borders Carving &c. Complete. The tiles shall be made from good pot earth well burnt and have as uniform a gauge as possible.

Doors and Windows - Two Batten doors $13\frac{1}{2} \times 7'$ Three teakwood Batten windows $13 \times 5'$ with hinges lock Complete are to be

provided and fixed in the position
marked in the Plan.

Painting - - - The Doors windows
and Brackets are to be coated with
3 coats of Luraine oil.

The building is to
be provided with a loose rough stone
Compound wall -

The whole of the
work to be carried out as per Plan
and Estimate and to the entire satis-
faction of the officer in charge of the
Salem Range.

Salem Range office }
16th October 1875 }

Walter de Morgan
Assistant Engineer

J. W. Hunter Major R.E.,
District Engineer, Salem.

Public Works Department

District Building

New Works

Salem District

Salem Range

Trichingode Taluk

Detailed Estimate No. 7 of 1875-76

Work

Estimate for constructing an Overseer's office proposed to be built at Sun Perry Doozy.

Particulars of work

Measurement

Total

No. L B.

Depth
Height

Contents
Quantity

Excavation.

Front and Rear of Longitu.

diagonal walls 2 23½ 3½ 3 493½

End walls 2 17 3½ 3 357

Gross wall 1 10 3½ 3 105

Verandah all round 1 26 3½ 3 273

Total Sft. of Foundation of Earthwork 1228½

Or. Cubic Yards 45½

Foundation

Front and Rear walls 2 24½ 2½ 3 367½

End walls 2 16 2½ 3 240

Gross wall 1 11 2½ 3 82½

Verandah all round 1 27½ 2½ 3 206½

Steps 1 3½ 1 ¾ 25⅞

Basement

Front and Rear walls 2 25 2 1 100

Carried over 998½

Salem District

Salem Range

Trichingode Taluk

Estimate and Specific

Estimate Report for

Constructing an

Overseer's office proposed

to be built at Sun Perry

Doozy in Trichingode

Taluk

Amount of Estimate Rs. 998½

Rs. 6956/11/5

Cd-12 November 75 in B No 268

Brought over ————— 998 1/2

End walls ————— 2 15 1/2 2 1 1/2 62 1/2

Gross wall ————— 1 11 1/2 2 1 23 1/2

Verandah all round ————— 1 28 2 1 56

Steps ————— 1 3 1/2 1 1/2 1 1/2

Total Cubic feet of Rough Stone in Chunnam 1141 5/8

Or Cubic yards ————— 42 6/26

Superstructure

Front and rear walls — 2 25 1/2 1 1/2 13 99 1/2

End walls ————— 2 15 1 1/2 13 58 1/2

Gross wall ————— 1 12 1 1/2 13 23 1/2

Pillars ————— 2 1 1/2 1 1/2 7 31 1/2

Total ————— 78 4 1/2

Deduct

Doors ————— 2 3 1/2 1 1/2 7 73 1/2

Windows in office and

store rooms ————— 3 3 1 1/2 5 67 1/2

Flat arch work over doors — 2 4 1/2 1 1/2 1 13 1/2

De-over windows ————— 3 4 1 1/2 1 18

Total Deduction of Cut Stone in Chunnam 172 1/2

Total Cubic feet of Cut Stone in Chunnam 1672 1/2

Or Cubic yards ————— 61 17/18

Gable ends over front rear and

end walls ————— 3 12 1 2 72

Total Cubic feet of Brick in Chunnam ————— 72

Or Cubic yards ————— 2 1/2

Flat arch work ————— 17

Same quantity as deducted above ————— 17

Pointing

Outside front and rear walls — 2 28 1/2 " 13 74 1/2

End walls ————— 2 15 " 13 39 1/2

Gable ends over — do ————— 2 15 " 2 1/2 75

Pillars ————— 2 5 " 7 70

Basement all round ————— 2 105 " 1 210

Inside Rooms all round — 2 48 " 13 124 1/2

Gable ends over end and

Gross wall inside — 4 12 " 2 96

Sides and soffits of doors — 2 17 1/2 " 1 1/2 52 1/2

Sides soffits and sills of
windows ————— 3 16 " 1 1/2 72

Total ————— 295 1/2

Deduct

Doors both sides ————— 4 3 1/2 " 7 98

Windows — do ————— 6 3 " 5 90

Total deductions ————— 188

Total pointing Superficial feet ————— 276 1/2

Or Squares ————— 27.66

Running feet of Cornice work

in Chunnam ————— 44

Roofing

Front and rear of office & store
rooms ————— 2 29 11 " 638

baned over ————— 638

Brought over _____ 638
 Verandah _____ 1 15 1/4 12 18 1/2
 Total square feet of Roofing _____ 827
 Or Squares _____ 8.27

Filling
 Store and office Room _____ 2 11 1/2 11 1/2 132 1/2
 Verandah _____ 1 11 1/2 6 1/2 40 1/2
 Total Cft of Filling _____ 172 1/2
 Or Cubic Yards _____ 6 2/3

Stone paving
 Office Room _____ 2 11 1/2 11 1/2 264 1/2
 Total Square feet of Flooring _____ 264 1/2
 Or Squares _____ 2.64

Flooring Verandah _____ 1 11 1/2 5 3/4 66 3/8
 Or Squares _____ 6.66

Teakwood
 Wall plates over longitudinal
 walls _____ 2 26 1/2 1/4 6 1/2
 Doors over end walls _____ 1 13 1/2 1/2 1/4 1 1/16
 Brackets _____ 1 14 1/2 1/2 1/2 7 1/2
 Pillar plates _____ 2 1 1 1/6 1/3
 Total Cft of Teakwood wrought and put up _____ 16

Doors (Teakwood Bottom) _____ 2 3 1/2 7 2
 Windows (do do) _____ 3 3 5 3

Painting
 Doors _____ 2x2 3 1/2 7 98
 Windows _____ 2x3 3 5 90
 Carried over _____ 188

Brought over _____ 188
 Brackets _____ 1 12 1/2 2 5/12 3 1/5 10 1/5
 Total Square feet of Painting _____ 191 1/5
 Or Squares _____ 1.91

Compound wall including
 foundation _____ 1 64 2/3 3 128

Total Cubic Yards of Coarse Rough Stone _____ 128

Public Works Department
 Salem District — Salem Range — Trichengode Taluk
 Light Building — New Works

Abstract Estimate — No. 7 of 1875-76
 Work — Estimate for constructing an Overseers Office
 proposed to be built at Canterbury Drog.

Quantity	Description of Work	Per Rate	Amount Total
45 1/2	Cubic Yards of Excavation	4 1 2	136
2 1/2	Do of Brick in chumam	3 12 10	"
1 1/2	Do of Flat-brickwork	4 10 8	"
42 1/2	Do of Rough Stone in chumam	2 8 105	113
61 1/2	Do of Cut Stone in-do	3 8 216	1210
128	Do of Coarse Rough Stone	5 8 64	"
27-66	Squares of Pointing in chumam	2 8 69	24
44	Running feet of 9 inches deep Cornice at ends of Roof Brick and Chumam with Plastering	4 11	"
8-27	Squares of Roofing with Country wood Couplers, Rafter, Ropers Flat and Pantiles with Chumam borderings		
	Farring complete	24 198	78
6	Cubic Yards of Filling	1 6	"
2-64	Squares of Stone paving and Pointing Floor of Rooms	6 8 17	27

Carried over ————— 700 210

Salem District
 Salem Range
 Trichengode Taluk
 Estimate for Constructing
 an Overseers Office
 proposed to be
 built at Canterbury
 Drog in Trichengode
 Taluk
 Amount of Rs 700 210

Rs 6956 1/5

GP-12. K. V. K. 75
 MB 1268

Brought over	700 2 10
66 Squares of - asphaltum Floor of Verandahs 1" thick over one layer of Brick and 3" Concrete Gr. 20	13 3 2
16 Cubic Feet of Teak Wood Breast: Summers Wall and Pillar Plates wrought and put up	left 3 12 60
2 Batten Doors Teak Wood $3\frac{1}{2} \times 7$ each	18 6 36 12
3 - - - Windows - do - $1/3 \times 5$ each	11 4 33 12
1.91 Squares of Painting & Coats: Paint to Doors Windows and Breastsummers - by 6	11 7 4
Total	855 5 4
Cundries and Superintendence	44 10 8
Total - Amount of Estimate Rupees	900

and Rd

Salun Range Office

16 October 1875

Walter de la Roche

Assistant Engineer

J. V. Hunter

Major R.
District Engineer

No 3226 Public Works Dept.

165

Proceedings of the Madras Government
Under date the 12 Novr 1875
Read the following

From
The Dist. Engr Salem - (H.C. No. 27 of 27th Octr 1875)

The Estimate is
sanctioned and the
construction will be
carried out as a Local

Fund work, from the
grants stated to be available under
in the Proceedings of the
Rev. Board No. 1974 of 15th July - G.M.

To Dist. Engr Salem 5
Custodian of work 5
Total Rs. 10
X^o Att^o
Dep 22-11-75

Salem District

Salem Range

Chichangudi Taluk

-Abstract Estimate for
Constructing an Avenue
office proposed to be
built at Chichangudi
Taluk in Chichangudi
Taluk

-Amount of Estimate Rs. 900-0-0

Rs 900/0/0

GB 12 November 75
ind B K 268

6958

Gobt. of 1875 Madras.
PUBLIC WORKS.

To J. E. Saleus

13/11

Dated

Issued

Recd

Encl

G. O. 12th Nov 1875, No 3226

Nos. 268-269

Revenue Office at Pudukkottai
Trichangode Talug, Salem Dist
Estimate of Rs 900 for construction
— mian — sanctioned with
remarks.