

(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.	3200	Press	<i>Erigen</i>
~~B.P. No.~~		Mis.	
Dated	28.11.	1876	
		1954	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
28th November 1873. No. 3,200.*

Read the following papers :—

No. 527. From the District Engineer, Ganjam, dated 30th September 1875, No. 26.
No. 527-A. From " " " 24th November " " 36.
No. 527-B. From " " " 22nd January 1876, " " 53.
No. 527-C. From " " " 23rd March " " 66A.

No. 527-D. From T. D. HARRIS, Esq., District Engineer, Ganjam, to Colonel W. T. F. FAREWELL, Officiating Deputy Chief Engineer, Public Works Department, dated Chatterpore, 31st October 1876, No. 73.

With reference to your's, No. T-127, dated 3rd May 1876, I have the honor to resubmit herewith plan and estimate for constructing an Overseer's office at Teckaly, Ragoonadpore, duly corrected in accordance with the instructions contained in your's under reference, and to report that the excess of rate is indispensable owing to the locality.

2. As no compensation was hitherto made for any of the sites of the buildings constructed there, no provision was made in the estimate, nor was any plan of the actual site submitted.

No. ⁵²⁸~~258~~ ORDER THEREON, 28th November 1876, No. 3,200.

CIVIL WORKS, No. 38.

(a) *Head of Service.*—Provincial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Civil Buildings.
Sub-head.—L, Public Works Department.
Section.—I, Offices.
Name of Work.—Overseer's Office at Teckaly, Ragoonadpore.
Amount.—Rupees 700.
To be carried out by the Public Works Department.

The plan and estimate of Rupees 700 for constructing an Overseer's office at Teckaly, Ragoonadpore, in the Ganjam District, are sanctioned.

2. This sanction has been registered as Provincial No. 186 W of 1876-77.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Ganjam.
" Examiner of Public Works Accounts.

Exd. S. T. Austin.
Spare Copies

Notes of Remark
on plan and Estimate for an Ovens Shed at

Thagounadapole

28th October 1875

The following items
in the District Estimate
differ in value from the
District Schedule of the
current year -

Thatched stone in Chumam
Lip in District Estimate -

Brick in mud - Lip in
District Estimate -

Roofing with thatch per
Lip in District Estimate -

Whitewashing - Lip in
District Estimate -

Doors 4' x 7' - Lip in
District Estimate -

Doors 3½' x 5' - Lip in
District Estimate -

Windows 3' x 4' - Lip in
District Estimate -

A few discrepancies
in calculation have been
corrected, and the omission
of the value of water
tanks have been inserted
which alters the Estimate
from Rs 539 to Rs 555.

Comparative Statement showing difference of Rates between
the Estimate submitted by the District Engineer and the
District Schedule for the Construction of a Thatched Shed
for the Overseer at Ragunadapur-Chicacole Taluk—
Gaugam District—

Description of Work.	Rates as per Estimate submitted by the District Engineer.	Rates as per District Schedule.	Difference.	Remarks.
Rough Stone in Chumam ———— Cyp. — 14 —	1 13 2	1 5 2	8	
Brick in Mud ———— do — 1 4 —	1 5 10	1 5 10	0	
Roofing with thatch &c ———— Sq. ft. — 3 —	1 1 1	1 1 1	0	
Chumam Plaster — 1 Coat ———— do — 1 8 —	1 8	1 8	0	
Mud ———— do — 1 — do ———— do — 6 —	6	6	0	
Plastering with Jelly &c ———— do — 4 —	4	4	0	
Loose Earth ———— Cyp. — 9 —	9	9	0	
White washing ———— Sq. ft. — 2 —	2 6	2 6	0	
Excavating Foundation ———— Cyp. — 1 —	1	1	0	
Steps ———— Each — 3 —	3	3	0	
Doors — 4 x 7 ———— do — 15 —	17 8	17 8	0	
do — 3 1/2 x 5 ———— do — 10 —	10 15	10 15	0	
Windows — 3 x 4 ———— do — 8 —	10 8	10 8	0	
Walling with brickwork, mud plaster both sides & white wash &c ———— Sq. ft. — 12 —	12	12	0	

Govt. Litto. Department.
Sd/- Ch. George.
Madras. 26th October 1875.

[Signature]

Ch. G.
24
20
25

6486
29 10-75

No. 1.—ESTIMATE PARTICULARS.

Main Budget Head to which chargeable.

Provincial

Purpose of work as given by District Engineer. *Matched Bunglow at Ragannadapur in Chitawale Range*

Original sanction for the preparation of the detailed estimate. Date and number sanctioning and Public Works Department.

Amount of present estimate and its district number. *No 539*
No 55 of 1875-76

Budget head to which chargeable if sanctioned (in detail.) *New Works*
Civil Buildings

Provision has been made in the Budget of in anticipation.

(~~Yes~~ No.)

Funds can be made available during the current year.

(Yes or No, and state how in former case.)

There is a sum of Rs 1617 at present at the disposal of Govt
Brought forward as urgent. *29/10/75*
(Yes or No; and if former, state by whom.)

Number on last revised list of works approved and brought forward in due order of precedence.

Not entered in the list
No. Yes No.

DOCUMENTS IN FILE

From District Engineer—*Ganjam*1 Covering letter No. *26*, date *30-7-75*1 Letter from Range Officer, No. *177* date *16-9-7*.

1 Detailed Estimate.

1 Abstract do.

1 Plan.

1 Specification Report.

From Office—

Original sanction, No. , date
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.	...		
Military do.	...		

Provincial Civil Buildings & Works
Detailed Estimate No. *557*, 1975
District *Ganjam*
Taluk *Chicoole*
Village *Raghunadpur*
Work. Estimate proposed to be constructed
for *Musha shed at Ragoanadapur*.

Quantity	Description of Charges	Rate	Unit	Amount	Total
<i>96 43/48</i>	Cy of Rough stone in chumam	<i>14</i>	<i>Cy</i>	<i>84 12 6</i>	<i>400 or 18</i>
<i>66 1/2</i>	do Brick in mud	<i>14</i>	<i>do</i>	<i>62 8 9</i>	
<i>25 6/6</i>	Sqrs of roofing with thatch	<i>3</i>	<i>Sqr</i>	<i>76 15 8</i>	
<i>10 2/2</i>	do of Chumam Plaster 1 coat	<i>1 8</i>	<i>Sqr</i>	<i>15 5 3</i>	
<i>38 4/100</i>	do of Mud Plaster 1 coat	<i>6</i>	<i>do</i>	<i>14 4 2</i>	
<i>123 1/10</i>	do of Flooring with jilly &c	<i>4</i>	<i>do</i>	<i>49 3 2</i>	
<i>7 3/2</i>	Cy of Loose earth	<i>9</i>	<i>Cy</i>	<i>3 7</i>	
<i>48 13/50</i>	Sqrs of whitewashing	<i>2</i>	<i>Sqr</i>	<i>6 6</i>	
<i>110 1/2</i>	Cy of excavating foundation	<i>1</i>	<i>Cy</i>	<i>6 14 3</i>	
<i>3</i>	Steps and round pillars	<i>3</i>	<i>Each</i>	<i>9</i>	
<i>-</i>	Doors (large) for building	<i>15</i>	<i>do</i>	<i>75</i>	
<i>2</i>	do (small)	<i>10</i>	<i>do</i>	<i>20</i>	
<i>6</i>	Windows	<i>8</i>	<i>do</i>	<i>48</i>	
	Contingencies	<i>5</i>	<i>Per cent</i>	<i>24 8 9</i>	
	Total			<i>576</i>	<i>576</i>
	Horse Stable				
<i>5 29/100</i>	Sqrs of walling with brick wood mud plastered both sides & whitewashing	<i>12</i>	<i>Sqr</i>	<i>2 7 3</i>	
<i>2 8/10</i>	Sqrs of Roofing with thatch	<i>2</i>	<i>Sqr</i>	<i>1 15 4</i>	
	do Contingencies	<i>5</i>	<i>Cent</i>	<i>9 5</i>	
	Carried over			<i>5</i>	<i>531</i>

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Military do.

Pillars large	3	2	1	8	48
Do. small	5	1½	1	8	60
Total					108

Deductions

Doors large	5	4	7	1	140
Do. small	2	5	3½	1	35
Windows	6	4	3	1	72

Total Deduction

Remaining Total Cyds of Brick in mud					247
--------------------------------------	--	--	--	--	-----

Roofing

Large ends	2	36	23		1656
Short ends both sides		35	26		910
Total sqrs of thatched roofing					2566
Doors large each	5	4	7		5
Do. small	2	3½	5		2
Windows	6	3	4		6

Human plastering

Basement all round		164	1½		246
Bath room walls	2	30	8		480
Pillars large	3	6	8		144
Do. small	5	5	8		200

Total square ft

Deductions

Windows on side only	4	3	4		48
Remaining sqrs of human plaster 1 coat					1022
Mud plastering outside built up walls all round		90	15		1350
Bath room cross walls outside	4	9	12		492
Do. inside	4	8	12		384
Do. Do. Do.	2	26	8		416

Inside rooms	2	54	15		1620
Stable to cross walls		12	4		48
					4250

Deductions

Doors large both sides	2x5	7	4		280
Do. small	2x2	5	3½		70
Windows	8x	4	3		96

Total sqrs of mud plaster 1 coat					3804
					38 4/100

Flooring

Verandah all round		116	7½		870
Inside rooms	2	15	12		360
Total sqrs of flooring with felly &c.					1230

Killing Basement

Verandah all round		116	8	1½	1392
Inside rooms	2	15	12	1½	540

Total Cyds of loose earth					1932
White washing squares					1980

Excavating foundation		162	3½	3	1701
Verandah walls all round		99½	3½	3	1044

Building Do.	4	5½	3½	3	231
Bath room					2976

Total Cyds of excavating foundation					110 ¼
Steps and round pillars	3				3

Stable		7	9		63
Stable wall		7	12		84

Back		7	10		180
Sides	2	9	10		180

Total walling with brushwood mud plastered both sides and white washed					327
					3 27/100

Roofing with thatches	1	7	14	98	
Total Sqrs. of roofing					198
Cork rooms					100
Walls all round		36		9	324
Total sqrs of walling with brush wood mud plastered both side and white washing				324	3 6/25
Roofing thatched	1	11	12	132	
Total squares					1 8/25
Latrine					
Front wall	1	6		6	36
Back Do.	1	6		9	54
Side Do.	2	6		12	90
Screen	1	3 1/2		6 1/2	22 3/4
Total walling with brush wood mud plastered both side and white washing				302 3/4	2 215/400
Roofing	1	6	8	48	
Total roofing				48	48/100

Specification report to accompany
Plan and Estimate for an Overseer's shed
proposed to be constructed at Nagunadpur
Amount of estimate Rupees 539-0-0

2 Foundation - The foundation ~~is~~ is to be dug out to a depth of not less than 3 ft. The bottom of the trenches should be made perfectly level, well watered and rammed before filling in the same.

3 Rough - The foundation is to be built of stone in mud. The rough stone in mud. The ~~mud~~ ^{clay} used for the purpose is to be prepared and well tampered the day before it is required. ~~to be~~ used.

4 Brick - The superstructure is to be built of round and well burnt bricks in clay. The ~~mud~~ ^{clay} is to be used as described in para. 3.

5 Plastering - The brick joints are to be scraped out and the whole of the outside walls to be plastered with 1 coat of Chumra. The 1st coat is to consist of mortar prepared in the proportion of one of lime to one and half of river sand, ~~the~~ well beaten and mixed together. Care must be taken that water and sand used are altogether free from saline particles.

6 Flooring - The flooring is to be in the proportion of 1 of good screened gravel 1 of brick powder & 1 of Chumra well mixed and rammed with a coat of plaster on top & polished.

mooring are shown.

No 201 Cheacole Range office
16 September 1905
sep 18.

No 177

From
The Executive Engineer
Cheacole Range
To The District Engineer
Gaujam.

Sir,

Mr. Oversee Whitbread
having joined this Range I have
posted him to the Charge of all
Irrigation works and roads lying
to the north of the Tamskadara
River. Local Sub overseer
Rama Row Taidos having
Charge of those Irrigation works
and roads lying between the
Langosha and Tamskadara
Rivers.

2. Mr. Whitbread's Head Quarters
will be Raghonadhapore
the most central position for
him and where the offices of the
Sub Magistrate and District
Munsiff are located.

Mr 6486/95
3/95

3. There is no house available
for Mr Whitbread at Rangoon.
Madras I have therefore the
honor to submit a plan and
Estimate for Constructing a thatched
house with out-houses the
Cost of which amounts to Rs 539
and beg you will forward the
same for the sanction of
Government. Mr Whitbread
of course will pay a monthly
rent for the same. I object most
strongly to Mr Whitbread being
stationed in Cherrakole, where
there are a number of East
Indians of bad Character
who will most assuredly lead
him astray and I attribute Mr
Taylor's failure entirely to this
cause. -

I have &c &c
Hos Geo R. Leggatt C.E.
Executive Engineer

/ True copy /

H. M. M. J. M. J.
Off District Engineer
Pangam

CP 6486

No 637. Memo

23

With reference to letter No 26 dated 30 Sept 1875, the Orin is requested to state whether Rajomadapone is the same place as Enchaly for if this is the case the more families name should be given. The distance of Rajomadapone from Chicacole should also be mentioned.

1/2 of L. W. to Majors Hill
Ch. R. D. W.

Lot 1800 }
2nd Nov 75 }

Long the Orin Canyon

CP 6486
2/95

No. 26

District Engineer's Office.

GANJAM. *Camp*

Berhampore
30th September 1875.

FROM

THE DISTRICT ENGINEER,

GANJAM.

TO

THE *Secretary to*

Government P.W.D.
Fort St George

SIR, ...

Enclosure 4

I have the honor to forward a plan and Estimate amounting to Rupees 539 for constructing a thatched Bungalow for the accommodation of Mr. Oversee Whitbread at Ragunadapore in the Chucacole Range for reasons given in the accompanying copy of a letter from the Range Officer.

2. The amount of rent to be paid by the overseer might I consider be fixed at 12 per cent per annum on the cost of the building.

Ldug-

Have the honor to be

your most ob. servant

Hussey. Major &c

Off. District Engineer

Janam.

1/20 PM 8 P

1/20 PM 8 P

1/20 PM 8 P

1/20 PM 8 P

1/20 PM 8 P

1/20 PM 8 P

1/20 PM 8 P

Refer to
No 917
No 7799

No 838

Letter from the District Engineer, Bangalore
436 of 24th November 1875.

The Chief Engineer cannot approve of the style of building proposed to be constructed as a dwelling house for the Salute Overseer at Raghunapur. He objects to their walls of brick in mud of considerable height, and to the kind of construction proposed which must always be needing repair. He would prefer a more substantial building without excessive waste verandah room, and better arranged.

Fort St. George }
10th Decr 1875 }
To the District Engineer
Bangalore
Sd/-
Lieut L. H. Walker Major Comd
Chief Engineer P. M. D.

To
The Deputy & Post
J. M. D.

From
The District Engineer
BANGALORE.

No. 1085
No. 6486

No. 26

Dated 30th Sept 1875
Dispatched 4th Oct 1875
Received 13th

Enclosure 4
Demand for Rs 539/-

Constructing a thatched
dwelling for the
Post Office at Raghunapur
Bangalore

As per
639 of 2nd Nov 75

No 527

Cir- 23-11-76

District Engineer's Office
Ganjam 3)
Camp Curichili
24 November 1905

N^o 36 From
The Off District Engineer
Ganjam

To The Chief Engineer
Department P.W.
Fort St. George.

Sir,

Enclosure
Sketch map

With reference to your
Memorandum dated the 2nd
instant N^o 637 I have the
honor to inform you that
Tekalli Pagnadpore is the
proper name of the place. It
is 40 miles from Cheacole.
It is the seat of a minor official
and Sub Magistrate's Catchery
and is 6 miles from the nearest
treasury viz Koupada. Its
relative

relative position with regard
to other ~~in~~ ^{near} places in the
Range is shown in the sketch
accompanying. —

Have the honor to be
Yours^{Sir} most Obedt Servant

A Quallay Major &
Off. District Engineer
Panama

12

Provincial: Detailed Estimate No 99 of 1957-6. Original
 Civil Buildings District Laysan Works
 Talug Chicacole 35
 Village Raghonadpoor
 Constructing an Overseer's shed.
 at Raghonadpoor.

Particulars

Concrete

Quantity	Unit	Length	Breadth	Height	Area
Front & rear walls of main building	2	$36\frac{1}{2}$	$5\frac{1}{2}$	$\frac{1}{2}$	$127\frac{3}{4}$
End and cross walls	3	10	$3\frac{1}{2}$	$\frac{1}{2}$	$52\frac{1}{2}$
Front wall to bath room	2	$15\frac{1}{2}$	$2\frac{3}{4}$	$\frac{1}{2}$	$37\frac{3}{8}$
End walls	2	7	$2\frac{3}{4}$	$\frac{1}{2}$	$19\frac{1}{4}$
Cross walls	2	3	$2\frac{3}{4}$	$\frac{1}{2}$	$8\frac{1}{4}$
Pillars all round	8	$3\frac{1}{2}$	$3\frac{1}{2}$	$\frac{1}{2}$	49
Retaining walls between pillars	6	7	$3\frac{1}{2}$		$69\frac{3}{4}$
do do	2	$6\frac{1}{2}$	3	$\frac{1}{2}$	$19\frac{1}{2}$
do do	2	$2\frac{1}{2}$	3	$\frac{1}{2}$	$7\frac{1}{2}$

4. Total Concrete work Cys: $\underline{390\frac{5}{8}} \quad \underline{\underline{14\frac{101}{216}}}$

Foundation

round above			
Front and rear walls of m. of 2	$35\frac{3}{4}$	$2\frac{3}{4}$	$3 \quad 589\frac{7}{8}$
End and cross walls of do. 3	$10\frac{3}{4}$	$2\frac{3}{4}$	$3 \quad 266\frac{1}{16}$
Front walls to bath room 2	$13\frac{3}{4}$	2	$3 \quad 165$
End walls to do. 2	$7\frac{3}{4}$	2	$3 \quad 93$
Cross walls to do. 4	$3\frac{3}{4}$	2	$3 \quad 90$
Pillars all round. 8	$2\frac{3}{4}$	$2\frac{3}{4}$	$3 \quad 181\frac{1}{2}$
Retaining walls between pillars 6	$8\frac{1}{2}$	$2\frac{1}{2}$	$1 \quad 127\frac{1}{2}$
do do 2	$6\frac{1}{4}$	$2\frac{1}{2}$	$1 \quad 31\frac{1}{4}$
do do 2	$3\frac{1}{4}$	$2\frac{1}{2}$	$1 \quad 18\frac{1}{4}$
Steps in front. 1	10	$2\frac{1}{2}$	10
do in rear 2	7	$2\frac{1}{2}$	14

Oct 24 } Nov 15
Sent 2^d Great " "
Wd 7th Encls: 1st & 2nd mss.

Towards the States
west & many live there -
of Leakey's note - also
information =

From
The District Judge
Lacey can
to
The Chief Justice
of the
In a day
at Lacey No 8038 d/10-12-36
to 36

12. 9. 18-18 2341

22

1871

2. In a box
of 38 of 10-12-3
to 36

[illegible]

Forwarded in Packet

we receive
back Henry

of Locality not exam
information -

№ 527a

Basement

Front & rear walls of main Building	2	35	2	1 1/2	210
End and cross walls	3	11 1/2	2	1 1/2	103 1/2
Front wall to bath room	2	13	1 1/4	1 1/2	48 3/4
End	2	8 1/2	1 1/4	1 1/2	31 7/8
Cross walls to	4	4 1/2	1 1/4	1 1/2	33 3/4
Pillars all round	8	2	2 1/2		48
Retaining walls between pillars	6	9 1/4	2	1 1/2	166 1/2
do	2	8	2 1/2		48
do	2	4	2 1/2		24
Steps in front	1	10	2	3/4	15
do in rear	2	7	2	3/4	21

Superstructure

Front & rear walls of m. B.	2	34 1/2	1 1/2	12	1242
End and cross walls of do	3	12	1 1/2	12	648
Fables of Cross walls	3	13 1/2	1 1/2		182 1/4

Deductions

Deduct for doors	5	4	1 1/2	5	150
for windows	2	3	1 1/2	4	36

Total deduction 186

Brick in Chumau Superstructure

Front wall to Bath room	2	12 1/2	3/4	7	131 1/4
End walls to do	2	9	3/4	7	94 1/2
Cross walls to Bath rooms	2	5	3/4	7	52 1/2
Fables of cross walls to Bath room	4	6	3/4	2	36
Pillars all round	8	1 1/2	1 1/2	7	126

Total Cft 440 1/2

Deduct for doors to Bath room	2	3	3/4	5	22 1/2
for windows	2	3	3/4	4	18
Total deduction					40 1/2

Remaining Cft of Bricks 399 3/4 14 29/36

Plastering

Rooms inside	2	54	12	1296
Outside walls all round	1	96	11	1056
Fables of Cross walls both side	12	2 1/4		162
Bath room inside	2	30	8	480
do Outside	2	35 1/2	8	568
Pillars all round	8	6	8	384
Steps in front	1	10	1/2	5
do in rear	2	7	1/2	7
Doors and soffits of doors	4	14 1/2		84
do do	2	13 3/4		19 1/2
do do Windows	2	14 1/2		42
do do	2	14 3/4		21
Basement all round	1	149	1 1/2	223 1/2

Total Plastering Sqft 4348

Deduction

Deduct for doors both side	2x5	4	5	200
do	2x2	3	5	60
do Windows	2x2	3	4	48
do	2x2	3	4	48

Total deduction Sqft 356

Remaining Squares Plastering 3992 39 92/100

Flat arch work

Flat arch work over door	5	5	7 1/2	1	37 1/4
do do	2	4 1/2	3/4	1	6 3/4

Flat archwork over windows 2 4 1/2 1 1/2 13 1/2
 do do 2 4 1/2 3/4 1 6 3/4

Total Flat archwork Sqrs. 64 1/2 2 1/8

Flooring

Rooms 2 14 1/2 11 1/2 333 1/2
 Verandah all 1 12 1 5 1/2 66 1/2

Total Flooring Sqrs 999 9 97/100

Roofing with jungle rafters
 bamboo reapers panti tiles 1 49 1/2 36 178 1/2
 & Chumam borders sea complete

Total Roofing Sqrs 178 1/2 17 57/100

Woodwork

Breast summers 9 8 1/3 1/4 8 1/6
 Total wood work Cft 8 1/6 8 1/6

Doors batten 5 4 5 8
 do do 2 3 5 2
 Windows 4 3 4 4

Excavating foundations
 & filling in
 Contingencies

Out Houses.

Foundation
 Pillars all round 9 2 1/4 2 1/4 2 9 1/8
 Retaining walls between piles 10 7 1/4 1 1/2 2 18 1/2

Total Cys of Rough stone in Ch 27 2 3/8 10 19/216

Superstructure

Pillars 6 1 1/2 1 1/2 8 108
 do to 3 1 1/2 1 1/2 13 87 1/4
 Walls to Cook room 4 8 3/4 8 192
 Latrine 4 8 3/4 8 192
 Sables of Cross walls 4 9 3/4 2 1/2 67 1/2
 Total Cft 645 1/4
 Deduct for doors 2 2 1/2 3/4 5 18 3/4

Remaining Cys of Brick in Chum 625 1/2 23 5/18

Plastering

Cook room inside 1 40 8 320
 do outside 1 45 8 360
 Latrine inside 1 39 8 312
 do outside 1 48 8 384
 Sides & soffits of doors 2 12 1/2 3/4 18 3/4
 Pillars all round 2 16 8 256

Total Plastering Sqft 1650 1/4

Deduct for doors both sides 2 x 2 2 1/2 5 50
 Remaining Sqft of Plastering 1600 1/4 16 3/100

Flooring

Cook room 1 8 1/2 9 76 1/2
 Latrine 1 8 1/2 8 1/2 72 1/4
 Horse Stable 2 9 1/2 9 171
 Total Flooring Sqrs 219 3/4 2 79/400

Wood work

Breast summers 1 7 5 1/3 1/3 8 1/3
 Total wood Cft 8 1/3 8 1/3

Roofing with jungle wood
 rafters bamboo reapers panti tiles 1 22 1/2 29 1/2 663 1/2
 & Chumam borders sea complete
 Total Sqrs Roofing 663 1/2 6 57/80

Doors batten
 excavating foundations &c

Provisional
Civil Building

Abstract Estimate No 99 of 1875-76
District Gajaim
Taluk Chicacole
Village Raghonadpur
Constructing an Overseer's Shed
at Raghonadpur.

Original
Book

41

Quantity	Description of Work	Rate	Per	Amount	Total
14 ¹⁰¹ 216	Cy of Concrete work	1 14	Cy	27 2	
156 ¹⁴⁵ 432	do of Rough stone in chunam	1 14	do	293 21	
14 ²⁹ 36	do of Brick in chunam	2 8	do	37 3	
2 ⁷ 18	do of Flat arch work	3	do	7 2 8	
39 ⁹² 100	Sqr of Plastering	2	Sq	79 15 5	
9 ⁹⁹ 100	do of Flooring	4	do	39 15 4	
	Sqr of Roofing with				
17 ⁴¹ 50	jungle wood rafters	9	do	160 6 1	
	bamboos reapers pattering				
	& chunam borders & culverts				
8 ¹ 6	6 ft of Wood work	1 8	Cy	12 4	
5	doors battens	15	each	75	
2	do do	13	do	26	
4	Windows	8	do	32	
	Excavating foundations			10	
	& filling in				
	Contingencies	5	Per cent	40 2 2	
					840

Out Houses.

10 ¹⁹ 216	Cy of Rough stone in chunam	1 14	Cy	18 14 8	
23 ¹⁵ 18	do of Brick in chunam	2 8	do	58 3 1	
16 ³ 400	do of Flooring	2	Sq	32 3	
				109 2 4	840

1092.840.0.

279 400	Sqrs of Flooring	4	sq	8 1/2	8
6 51 80	Sqrs of Roofing				
	with jingle wood rafters				
	Bamboos reapers pan				
	tiles & chunam borders				
	Sea Complete	9	sq	59	119
8 1/3	Wood work	1	sq	12	8
2	Doors	7	each	14	
	Excavating foundation			5	
	Contingencies	5	Cent	10	13
					220

Grand Total Estimated 1060

I do hereby certify that the accompanying estimate provides for every thing necessary and that no supplemental estimate will hereafter be required.

No 2 or Chindaw
Range Officer
Chindaw 31 Jan 1976
C. S. Rao

Executive Engineer
1064

Hanumanth Rao
Off District Engineer
22/1/76

Specification report to accompany the plan and Estimate for Constructing an Overrun shed at Raghomadpur.

1 Estimate Rs 1060-0-0

2 Execution 2 The trenches for foundation are to be dug to a depth of 3 feet and the bottom made out to a uniform level watered & rammed

Rough stone in Chumam 3 The foundation is to consist of Rough stone in Chumam prepared in due proportion of one of lime to 3/4 of river sand & 3/4 of Soorkee well beaten or ground. Care must be taken that the water and sand used are altogether free from saline particles the stones collected for the work should be rectangular as possible so that the joints may be filled in closely with mortar

Brick in Chumam 4 Bath room walls and flat arch are to consist of sound and well burnt bricks of Government size packed with Chumam of the above description. The mortar joints should not exceed 1/4 inch thick English bond is to be observed throughout The bricks should be dipped in water

2/1/36

before they are used. The brick joints should be properly scraped out and well watered before plastering.

5 The Plastering should be of 2 Coats of which the 1st is to consist of the mortar prepared in the manner already described in para

3. The second coat to be of good Plastering lime putty prepared in proportion of one of lime to one of fine white sand well mixed and ground ^{and ground} together, and afterwards rubbed to the wall and finally smoothed.

6 The ground to be properly levelled Flooring

and floored with a layer of ^{fine} river sand well watered on a layer of concrete 6" thick prepared in proportion of one of brick jelly to one of chunam then the whole surface is to be rammed & smoothly rubbed.

7 The roof is to consist of ^{Roofing} jungle wood rafters bamboo rafters wall plates pauties and nails with chunam borders &c complete.

8 The doors and windows ^{Doors and} to be of the description and size ^{Windows} delineated in the plan.

663
Execution (Engineer)

41
No. 298

Memorandum.

Letter from the D.E. Ganjam No. 53 dated
22^d Jan'y 1876.

The Chief Eng^r regrets that
on full consideration of the subject, and
looking to the funds available, it will
be impossible for him to recommend pro-
vision of accommodation for officers,
beyond that of an office in the Plan
circulated with Circular Memo. No.
262 of 8th March 1875.

(By order)

(Sig^d) W. L. Farewell Colonel
offg Dy. Chief Eng. P.W.D.

Fort St. George }
11th Feb'y 1876 }

To,
The D.E. Ganjam -

Quack in it
50 p 22 Feb'y 76

11.942/96.
2/96.

No. 53

District Engineer's Office.

GANJAM. Camp
Dated 22 January 1876.

FROM

THE DISTRICT ENGINEER,

GANJAM.

TO

THE Chief Engineer
Public Works Dept.
Fort. Secrecy

SIR,

Enclosure. 3

With reference to your Memo No. 838 dated the
11th Decr 75, I have the honour to forward herewith
a plan & specification and an
estimated amount of Rs 1000
for construction & work, for
the Saluk Bazaar at Tekally
Ragoonadakore, on tiled roof.

Copied by

Exd.

Manager.

I have the honour to be,

Sir,

Your most obedient servants.

R. E.

MAJOR, R. E.

District Engineer.

Ch. hys No 298 d/11.2.76

Cheque No 637 of 2.11.75
 " " 838 " 10.12.75
 Currencies - 262 - 8-3-4

10000
 10000
 10000

Cheque No 298 of 11.2.76

From 1876
 To The District Engineer
 GANJAM.
 No. 53 of 11.2.
 Dated 17th
 Dispatched 26
 Received 7
 Enclosure 3

Forwarding a list of
 specimens submitted
 to the 10th with
 specimens of the same
 a check to the
 a check to the
 on the spot

K 52703

53
 1876

The but the report
 be so far as a report
 nature cause of the
 excess of the water
 water below and those
 of the best-possible
 herewith

The report submitted
 to the District Engineer
 for the specimens
 of the 10th with
 specimens of the same
 a check to the
 a check to the
 on the spot

To the District Engineer
 with 3 Enclosures

Estimate

Approved
April 27. 1876

C.E. No. 127 d/s. 5-76

MEMORANDUM.

Letter Number

15764

dated the

23 March 1876

from the District Engineer of

Michigan

In the specification for
very superficial specification
work accompanying the
estimate for constructing
an iron bridge

Subully Razondopon
The work is listed as a
"Carpenter Work" which
in the quantities for
Ramp work under
head "wood work"

"Ridge plates" assumed
and Refters omitted!

The specifications
should give the
scantlings of all
the Ramp timbers

as far as the
figures are concerned
in the structure

The scantlings of the
Ramp timbers generally
are insufficient

The specifications
should be prepared
in such manner

1. The bridge is to be built on a foundation of concrete piers. The piers are to be 10 feet in diameter and 15 feet high. The bridge is to be 20 feet wide and 100 feet long. The bridge is to be built on a foundation of concrete piers. The piers are to be 10 feet in diameter and 15 feet high. The bridge is to be 20 feet wide and 100 feet long.



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Refters

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34

4th 17th Jan 1904. — The
 election of B. and C. —
 Jan. 17th, 1904. —
 10.000. —

27/4/55.

In P^ro
dum in m.
Lam. ab
Pom. dith
Kist. p. m.
and m.
Lach. p. m.

at 10.00 AM
2000

2/4/6

✓ 66A

From

The District Engineer
Banyan

The Chief Engineer.
R. S. Mudders

1

With reference to your Memorandum
No 838 dated 11 Decr/75 I have the
honor to forward herewith plan, estimate
+ specification for the construction of
an Amusements Office at Tekkall
Ragimadapud.

Have no more blue

Yours Most Obedient Servant
Humbly, Injunctive
of instruction & leave

Copy. 1876 Dept.
from No: 2461
The District
of Garyans
to
the Chief
of the
A
Encls. 3. Geo
W.A. W.
Dated 2^d
Replied 1st March 76
Remind 5 April 76.
Howards place, submit
and expenditure for
the construction of
an officers office
at Lullally Day hundred
- done

FORMER CASES.

Current No.

of 187

"

"

"

"

M. WORKS FORM No. 3.

Current No.

From

No. 66A

Dated

Recd.

23 March
5 April

1876

C. E. to 12/4/3. 5-16.

Subject: - Forward please
Est. for the Constr. of
an Overseer's Office
at Tekkally Raghun-
dapur.

LATER CASES.

Current No.

of 187

"

"

"

From

"

"

"

"

ENCLOSURES.

3 Returned

Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.
Memo	637	2/11/15			
"	830	2/11/15			
"	262	2/11/15			
"	298	2/2/16			

1876 Sept.

Current No. 2461

The Lt. Engr.
SanjamAbstract
at Construction of an Overseer's office
at Tekkally Raghunadapur

Quantity	Description	Unit	Rate	Amount	Total
1125 3/4	1124 1/2	Cft. Stone in Chu		82 13	✓
1690	1690	non fundation & placement	12	81 57	✓
56 1/2	56 1/2	Brick in Chumam	18	114 158	✓
2539 1/2	2539 1/2	Flat Cement	2	7 6	✓
44	44	Sft. Plastering 2 Coats	28	66 25	✓
827	827	Sft. Plastering	4	11	✓
342	342	Sft. Plastering	17	140 93	✓
1105 3/4	1105 3/4	flooring with draped stone	12	59 59	✓
68	68	d with asphalt 1/2	18	19 68	✓
2	2	doors	15	30	✓
3	3	windows	12	36	✓
303	303	sft. Painting to doors windows	28	50 8	✓
1173	1173	Cft. woodwork	1	10 8	✓
1062	1062	Cft. Excavating filling in	27	27 4	✓

Contingencies
Total Estimate 700 - 694I do hereby certify that the accompanying Estimate
provide for everything necessary and that no
supplemental

F

C

Supplemental Estimate will hereafter be required.

Camp Belknap
23 March 1863

Aluskey Major R
off Westrup Canyon

Specification Report 63

The building is like of the standard plan circulated by Chief Engineer in July 1864 providing 2 rooms each 12 square one of the Engineer's Office and the other for his stores with a veranda in front of the office 6' wide - height of walls 13'. Cripple roof. basement 1' high foundation 3' deep. There is the an entrance door into the office and a window in each side - a door into the store room and a window in the rear wall.

Quantity
Roofing 21 x 20
Clas beams 21 x 7
Walls 6 x 8
Windows 10 x 6

Aluskey Major R
off Westrup Canyon

Mr. 24th / 96.

Endowment of the
No. 66-A

22

65

Delated
Ordnance of 44 1875-76
District Canyon
Tally Chicago
Provisional
original work
Civil Buildings
No. 246 #1
Work
Construction of an Officers Office
at Tackally Pagonadapone

Detail of work	Number	Measurement				Cubits	Total Quantity of work
		Each	Mat	Mat Length	Breadth Thickness Depth Length		
<u>Foundation</u>							
Longitudinal walls all around	1	97 ³ / ₄ 97 ³ / ₄				88 ³ / ₄	
Transverse walls	2	11 ¹ / ₂ 22	11 ¹ / ₂ 2 1/2			89 ¹ / ₂	
Steps	1		4	3/4 1 1/2	4 1/2	337 ³ / ₄	
						900 ¹ / ₄	
<u>Basement</u>							
Longitudinal walls	1	88 ¹ / ₂ 96				234	
Transverse walls	2	11 ¹ / ₂ 23	11 ¹ / ₂ 2	1	234	223 ¹ / ₂	238
							223 ¹ / ₂
<u>Superstructure</u>							
Longitudinal walls	1		81	1 1/2 12 1/2	1518 ¹ / ₂		
Transverse wall	1		12	1 1/2 13	234		
Gate walls	3	12	36	1 1/4 2 1/4	101 ¹ / ₄		
Pillars	2	1 1/4	2 1/2	1 1/4 7	21 ⁷ / ₈	1875 ¹ / ₈	
						1887 ¹ / ₈	
<u>Total Off</u>							

Deduct fr. doors 2 3 1/2 7 7 1 1/2 7 7 1/2
 do fr windows 3 3 9 9 1 1/2 5 6 1/2
 do flat over arch over doors 2 5 1/2 11 1 1/2 1 1/2 24 1/2
 do over windows 3 4 2/3 14 14 1 1/2 1 1/2 31 1/2
 Total deductions 197 1/2

That also deductions off
 Flat arch mts as per above deductions

Plastering

Inside of top rooms 2 48 96 96 13 1248
 Outside ditto 1 81 1/2 12 1/2 1018
 Pillars 2 5 10 10 7 70
 Lables 4 12 48 48 2 1/2 120
 ditto 2 75 30 30 2 1/2 75
 Basement all round 1 67 1/2 67 1/2 1 67 1/2
 steps 1 5 5 1 5
 Iron sides of soffits 2 17 1/2 35 35 1 1/2 24 1/2
 Windows of sill 3 16 48 48 1 1/2 24 1/2
 Total Sft. 272 7 1/2

Deduct fr. doors 2 1/2 3 1/2 14 14 7 98
 ditto fr windows 3 1/2 3 18 18 5 90
 Total deductions 188

That less deductions Sft.

Flooring

Rooms 2 1/2 24 24 11 1/2 285
 Veranda 1 12 4 4 1 5
 Total Sft. 342

Asphaltum floor to veranda 1 11 1/2 6 6 1/2 68

Cornice work
 Cornice at end of arch
 4 ft 10 in Running feet

Roofing
 porphy
 Veranda

Woodwork

Brackets
 Wall plate to the rafters
 Ridge plate

Doors
 Windows
 Panelling

Iron
 Windows

Carving
 Felling

Contingence.

2 22 44
 2 29 58 58 11 638
 1 17 1/2 189
 8.27

Total Sft.

1 15 15 15 15 15
 1 67 82 3 1/2 165
 27 2 1/2 115
 85

Total Cft.

2 3 1/2 7
 3 3 5
 2x3 4 24 7 168
 3x3 3 27 5 135
 303

Total Sft.

1 120 2 1/2 3 900
 1 29 11 5/8 162
 1062

Total Cft.

W. 2461/96

Goodman

69

(a) Heads of Service—

Promised

Fund.

Ordinary

Class.

Original Works.

Main-head.

Civil Building

Sub-head.

S. Public Works Dept.

Section.

I. Office

Name of Work.

Recess office at Kachaly
Ragomailpro

Amount.

Ru 700

To be carried out by the

P. W.

Department.

Print in the margin of G.O. No 3200 of 28/11/76-

M. 240

by order

No 3200

Chakras 71
Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the *28 Nov 1876*
Read the following:—

From the St. Eng. Ganjam (H.E. No 26 dated 30 Sept/75)
do (" 36 " 24 Nov)
do (" 53 " 22 Jan/76
do (" 66 A " 23 March "
do (" 73 " 31 Oct.)

The Plan and Estimate of Rs 700 for constructing an Overseers Office at Leekaly Rago. Madpore in the Ganjam District are sanctioned.

This sanction has been registered as Provincial No 186 of

1876/77

St Eng Ganjam
Exp. P.W. Accts.
Ensd - 4-12-76

[Signature]
22.11.76

8281 1784 947 2461
Sgt. of 1876 Madras.

PUBLIC WORKS.

To Mr. B. C. Ganjam.

27/11

Dated

Issued

Recd

Encl.

G. O. 28 Nov 1876. No. 3203

Nos. 5-27/8

Revenue Office at Tickahy
Rajamahendrapore - Ganjam Dist.

The plan & Estimate of
Rs 700 for constructing an
— sanctioned.