

(1) Number of pages_____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2080	Press
B.P. Nb.		Mis.
Dated	31-7-1954	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
31st July 1874.*

Read the following papers:—

No. 711. From Captain R. F. TAYLOR, Acting District Engineer, Kurnool, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Camp at Veldurti, 12th June 1874, No. 53.

ABSTRACT.—Sends three statements of actual work done to Koilguntla Cutcherry, and states that the revised estimate is nearly ready.

No. 712. From the same Officer, dated Kurnool, 29th June 1874, No. 61.

In continuation of my letter, No. 53, dated 12th instant, I have the honor to forward a copy of Mr. Vardon's letter* supplying the additional information in regard to the Koilguntla Taluq Cutcherry foundations. I cannot but regard the explanation as most unsatisfactory.

From Mr. G. A. VARDON, Supervisor in charge of Nundial Range, to Captain R. F. TAYLOR, Acting District Engineer of Kurnool, dated Camp at Deepaguntla, 20th June 1874, No. 161.

In reply to your letter, No. 47, dated 10th June 1874, I have the honor to state that, on its receipt, I sent for Overseer B. Moonesawmy Chetty, who superintended the Koilguntla Taluq Cutcherry every day the work was in progress, and asked him to account for the high rates objected to by you. He has drawn up a statement, to be kindly returned, which I enclose, and can state that, from what I saw of the work for the few days I remained at Koilguntla, I agree with the remarks of the Overseer; the work was pushed on hurriedly by the late District Engineer; the coolies were scattered over in all directions doing different kinds of work, some were sent one mile away to collect stones for the concrete work, some had to go about 500 yards for water, so that it was extremely difficult to watch that every cooly employed really did a fair day's work, and for many days about a thousand were employed daily. This fact combined with the one that the people were not accustomed to this kind of work, and the careful manner in which the late District Engineer wanted each kind of work to be done have led to these high rates.

2. I am quite satisfied that the documents forwarded with my letter, No. 114, dated 1st June 1874, are correct.

From B. MOONESAWMY CHETTY, Taluq Overseer, Koilguntla, to Mr. G. A. VARDON, Supervisor in charge of Nundial Range, dated Camp at Deepaguntla, 19th June 1874.

Explanation for the cost of certain items of work executed to the new Taluq Cutcherry at Koilguntla.

1. RIPPING UP OLD CONCRETE.—The depth of the old concrete was from 5 to 7 feet from top surface of ground, and it was so hard that it had to be removed by crowbars and afterwards broken by sledge hammers to be filled into baskets; the people, moreover, are not accustomed to this kind of work, and could not turn out much at the end of the day. No Wadders were available to do this work, as they were largely employed in quarrying stone, and preferred doing this work than the ripping up of old concrete. These combine to increase the rate.

2. EXCAVATING FOUNDATION.—As the soil in the foundation trenches consisted of sand at top with a layer of clay at a depth of 7 feet, the banks of the trenches were constantly falling in, which had to be constantly removed; hence the increase of rate under this head.

3. PUDDLE all round the building except in front of Sheristadar's room, portico, and in front and back of the Police and Inspector's rooms and round the tower.

The clay for the puddle had to be brought from the distance of a quarter of a mile from the site of the work, and the water also had to be brought from about the same distance by casks; the men were entirely unaccustomed to this kind of work. The depth of each layer was 6 inches.

Mr. District Engineer

Proceedings of the Madras Government, Public Works Department,
31st July 1874.

which was properly consolidated under the immediate supervision of the late District Engineer; hence the increase of rate in this head.

4. CONCRETE NEW WORK—

	RS.	A.	P.
390 Cubic yards of collecting stones at quarry, at 4 Annas per cubic yard...	97	8	0
390 " of carting stones to site, 2 miles, at 8 Annas per " ...	195	0	0
321 " of stone breaking at 0-12-1, at 8 Annas per cubic yard ...	249	7	2
31 Candies of unslaked chunam at 9½ Rupees per candy ...	294	8	0
23 " of slaked " at 4½ " " " ...	149	8	0
23 " of slaked " at 4½ " " " ...	11	6	5
239½ Cubic yards of sand, at 10 Annas per cubic yard ...	149	11	0
93½ " of gravel, at 2-2-0 per " 5 miles distant ...	199	3	6
Mixing chunam and sand, making mortar, mixing mortar, broken stones, etc., laying and well consolidated ...	1,615	15	0
Total cost incurred for 542 cubic yards of concrete...	2,962	3	1
Therefore cost for 1 cubic yard is ...	5	7	5½

5. This work was commenced on the 14th of January 1874, and up to 31st March 1874 Rupees 13,599-3-1 was spent; the work was pushed on very rapidly by the late District Engineer; on some days the total number of workmen employed was 1,250. To superintend and control such a large body of workmen scattered in different directions and on different kinds of work was no easy matter, and although I was on the work every day assisted by the late District Engineer still it was very difficult to obtain a fair day's work from each man and each woman employed on the work; in the months of February and March the sun was powerful that, from 11 A.M. to 3 P.M., the coolies could not do much work, as they had to work in the open sun without any shelter over their heads; hence these causes have enhanced the rates.

No. 713.

ORDER THEREON, 31st July 1874, No. 2,080.

CIVIL WORKS, No. 51.

THESE papers will be recorded, pending submission of estimates accompanied by full report which the new District Engineer has already been instructed* to submit without loss of time on his assuming charge of the District.

*Chief Engineer's memorandum, No. 447, dated 19th June 1874.

These should be submitted after personal inspection of the work, and should distinguish accurately between work performed and remaining to be done, credit for materials collected being duly given.

2. The expenditure incurred up to date is shown below:—

	RS.
Up to and inclusive of 1873-74 ...	26,854
In 1874-75, up to end of June 1874 ...	4,979
Total...	31,833

3. It should be reported whether the work is at present in progress or stopped, as already required in G. O. No. 1,786, of 3rd July 1874.
(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Acting District Engineer, Kurnool.
.. Officiating Controller of Public Works Accounts.
.. Judicial Department.

Exd. E. C. Shunker.

Spare Copies

No. 53

District Engineer's Office, 2/6/74
Camp Velduto Taunje

The 12th June 1874.

From,

The District Engineer, Kurnool,

To,

The Chief Engineer
D. P. W.

Enclosures, 4

Sir,

I have the honor to forward the Statement called for in Memorandum No. 333 dated 11th May 1874, as some of the rates are extra-ordinarily high I have called on Mr. Vardon for further information. The revised Estimates for the Outahies at Gumbum, and Kovilguntla are now nearly ready.

I have the honor to be
Your Most Obedt. Svt.

W. J. W. Captain
M. Distt. Engineer

Nandial Range Office
Camp Despaguntla
20th June 1874

To The District Engineer
of Kurnool

Sir, In reply to your
letter No. 57 dated 10th June
1874 I have the honor to
state that on its receipt
I sent for Overseer B. Moo-
mesaiah Chetty, who Super-
intended the Kovlaguntla
Taluk Catching, very day
the work was in progress,
and asked him to account
for the high rates objected
to by you; he has drawn
up a statement, to be
kindly returned, which

D. W. 1874. D. E.
From, 1874 No. 3642

The District Engineer

Kurnool

Memo: No. 479 of 19th June 1874

To, The Chief Engineer

1874

Machine

No. 53

Date 12/6
Received 16/6 1874

ENCLOSURES 5

Q. No. 2080. 31-7-74
Q. No. 3. 1874

I actual work
done to Kovlaguntla
the cutting & state
that the revised
estimate is nearly
ready—

Order to Chief Engineer

I enclose and can state
that from what I said of
the work for the few days
I remained at Trowleygunthal,
I agree with the remarks
of the Overseer; the work
was pushed on hurriedly
by the late District Engineer,
the coolies were scattered
over in all directions doing
different kinds of work.
Some were sent one mile
away to collect stones for
the concrete work. Some
had to go about 500 Yds
for water, so that it was
extremely difficult to
watch that every coolie
employed really did a fair
day's work; and for many
days about a thousand were
employed daily; that fact

combined with the one, ⁴
that the people were
not accustomed to this
kind of work, and the
careful manner in which
the late District Engineer
wanted each kind of
work to be done, have led
to these high rates.

2. I am quite satisfied
that the documents for-
warded with my letter
No 1141 dated 1st June 1871
are correct.

I have &c.
Signed J. A. Vardon Esq.
In Charge of Ranchial Range
D. P. W.

(True Copy)
W. F. Taylor Captain
D. District Engineer

Compd.
J. A. Vardon

Received of the
 Treasurer of the
 State of New York
 the sum of \$100.00
 for the purchase of
 the land on which
 the building of the
 State House is
 situated.

1. *John (John)*
 2. *John (John)*
 3. *John (John)*

Explanation for the cost of
certain items of work executed
to the New Taluq Catchment
at Kovilaguntla

The depth of the old concrete was from 5 to 7 feet from top surface of ground, and it was so hard that it had to be removed by crowbars and afterwards broken by sledge hammers, to be filled into baskets, the people moreover are not accustomed to this kind of work and could not turn out much at the end of the day; no windlers were available to ^{do} this work as they were largely employed in quarrying stone and

preferred doing this work
than the ripping up of old
concrete. These combined to
increase the rate.

2. Excavating foundations

As the soil in the founda-
tion trenches consisted of
sand at top with a layer of
clay at a depth of 7 feet,
the banks of the trenches were
constantly falling in which
had to be constantly removed;
hence the increase of rate
under this head.

3. Puddle

All round the building
except in front of the Sherista
dais room, portico, and in
front and back of the police
and Inspector's rooms and
round the tower.

The clay for the puddle
had to be brought from

the distance of a quarter
of a mile from the site of
the work, and the water
also had to be brought from
about the same distance by
carts; the men were entirely
unaccustomed to this kind
of work; the depth of each
layer was 6 inches which was
properly consolidated under
the immediate supervision
of the late District Engineer.
hence the increase of rate in
this head.

II. Concrete New work.

370 Cys. of Collecting stones at Quarry at 40 as per Cys. —	97-8-0
370 Cys. of Cutting stones to site. 2 miles at 80 as per Cys. —	195-0-0
231 do. of Stone breaking @ 0-12-3/4 — do —	279-7-2
31 Cindies. of unslaked Chunan @ 9 1/2 Rs per Sandy 294-8-0	
23 do. of slaked — do — at 6 1/2 Rs do 1049-8-0	155-6-5
27 1/2 do. of do — do — at 41 3/4 Rs do 11-6-5	
239 1/2 Cys. of sand at 10 as per Cys. —	119-11-0

73 1/2 Cds. of Gravel at 2.20 per shill distant - 199.36
 Mixing Chundam and sand, making
 mortar, mixing mortar, broken
 stones &c., laying and well consolidated 1615.15.0
 Total cost incurred for 5012 Cds. of concrete. 2962.3.1
 Therefore cost for 1 cubic yard is — 5.7.53
 Since this work was commenced
 on the 1st of January 1874 and
 up to 31st March 1874 (13599.3.1)
 was spent, the work was
 pushed on very rapidly by
 the late District Engineer, on
 some days the total number
 of workmen employed were 1250;
 to superintend and control
 such a large body of workmen
 scattered in different directions
 and on different kinds of work
 was no easy matter and although
 I was on the work every day
 assisted by the late District
 Engineer still it was very
 difficult to obtain any fair days.

work from each man and
 each woman employed on the
 work; in the months of
 February and March the
 sun was powerful that from
 11 a.m. to 3 P.M., the coolies
 could not do much work as
 they had to work in the open
 sun without any shelter over
 their heads: hence these causes
 have enhanced the rates.

Beg to remain &c.
 P. B. Moonesawmy Chetty
 Taluk Overseer D.P.W.
 Kovilaguntla

Camp Deepagoontla
 19th June 1874.

(True Copy)

W. J. M. Captain
 Acting District Engineer

Compared by
 W. M. S. S. S.
 Assistant

No. 61

District Engineer's Office,

Camp Thurnool Madras

The 29th June 1874,

From,

The District Engineer,
Kurnool,

To,

The Chief Engineer, D.P.H.

Enclosures,

Madras

Sir,

In continuation of my letter No 53 dated 12th Instant, I have the honor to forward to you a copy of Mr Tardion's letter supplying the additional information in regard to the explanation Koilakuntla Taluk Katcheri foundations of 19th June 1874. I cannot but regard the explanation as most unsatisfactory.

I have the honor to be

Sir,

Your most Obedt Servant.

W F Taylor Captain
As District Engineer.

Harmon District

Harmon District

From the Officer in Charge

Harmon District

To the District Engineer

Harmon

Harmon
January 5th 1874
Received

BBI Register of

Harmon District

July Cutchery for

1873 74 July 1/74

1873 74 July 1/74

1873 74 July 1/74

1873 74 July 1/74

Harmon

To

The Chief Engineer

Harmon

No. 61

Date 29

1874

Received

ENCLOSURES 2

Harmon District
Cutchery

Harmon District
Cutchery

Harmon District
Cutchery

Register of Work done on the Lenora

Smallale. New Saling Butchery for the year 1873/74.

[illegible]

Register of Work done on the Novitazion Hall Saw Siding butchery for the year 1873/74

Masonry in Basement and Superstructure

Masonry in Basement																															
Kgs of Round Stones neatly chisel dressed Labor			Kgs of New Stone neatly chisel dressed Labor			Kgs of New Stones roughly dressed Labor			Kgs of Old stones roughly dressed Labor			Bandsies of Chum am. Materials			Kgs of Sand Materials			Kgs of Building Stones Materials													
Quantity	Rate	Cost	Quantity	Rate	Cost	Quantity	Rate	Cost	Quantity	Rate	Cost	Quantity	Rate	Cost	Quantity	Rate	Cost	Quantity	Rate	Cost											
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1009	17 1/3	100	2	589	3	2 4/8	2811	6	150	10	5 3/4	98	4	491	1	2 1/2	578	10	4	10 1/2	9	8	150	12	314 1/2	10	1969	998	19 11 1/3	1018	4

Register of Work done on the Nevada govt. Saline Butcher for the year 1873-74.

13

Clearing well by of Earth work.			Labor		Superintendence	Total		
Quantity	Rate	Cost	Days	Hours			Days	Hours
.	.	.	.	.	10	10	.	.
.	.	.	.	.	8	758	.	.
.	.	.	70	10	5	75	3	7
.	.	.	180	6	.	311	10	.
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.	.	.	9	10	6	9	10	6
.	.	.	4	14	.	124	4	4
140	80	70	115	8	.	3,431	2	2
.	.	.	691	9	10	63	69	8,192
140	80	70	1072	14	86	94	13,599	31

E. D. P. Wierwaghamer
Master

Camp Nevada

30% May 1874

Disbursed 5th June 1874

Phoosumawney City

Salary Overseer 800.

Ed. P. Wierwaghamer

Geo. H. Gordon
Range Officer

W. H. C. M. Capl
As. District Engineer

W. H. C. M. Capl

General District

From the Office in charge

To the District Engineer

Strom

Dec 30th Aug 1874

Strom

Dec 30th Aug 1874

Dec 30th Aug 1874

Dec 30th Aug 1874

Dec 30th Aug 1874

Dec 30th Aug 1874

Dec 30th Aug 1874

Dec 30th Aug 1874

Dec 30th Aug 1874

Mr 3642/74

Dec 30th Aug 1874

of the work, and should
distinguish accurately
between work performed
and remaining to be
done, credit for materials
collected being duly given.

The expenditure in-
curred up to date is
shown below.

Up to and inclusive of
1842-44 } Re

In 1844-45 —

It should be reported
whether the work is at pre-
sent in progress or
stopped, as already re-
quired in L. O. Dec. 1486
of 3^d July 1844.

E. W. W.

To the Hon. L. C. Starnes
• Controller ✓
• Judicial Dept ✓
L. Copies despt. 5/5/74.

711-713.

No 3642-4093

Govt. of Madras.

PUBLIC WORKS.

To

The Dist Engr.
Kurnool

Dated

Recd.

Encl. 1

G. O., 31st Dec 1874, No. 5880

No. 711-712.

Kailgumla Cutcherry.

Papers in the subject of
the actual work done
at the Cutcherry, recorded,
having submission of Es-
timates & report by the
Genl St Engr.

938
13/55