M.R.O. 1—77,006—8-6-31.

(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. 2170 Press Mis.

4663

Dated 19 7 1897.

Not to be folded or roughly handled

No. 466. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Department Public Works, dated Camp at Dowlaishweram, 29th June 1867, No. 81 :—

1 Sketch.
1 Plan.
1 Estimate.
1 Specification.
1 Letter.

1. I have the honour to forward plans and estimates, amounting to Rupees 1,100, for building a tunnel under the Oondee channel to drain the village of Yendagundy.

2. I know from personal observation that the situation of this village is often very wretched, as being entirely enclosed by high bunds; it is during the rains surrounded by water or swamp.

3. From Mr. Rundall's letter* it will be seen that the work proposed will prove remunerative to the extent of 100 per cent.

* No. 189, dated 26th June 1867.

From the Executive Engineer in charge of No. III Range, Godavery District, to the Superintending Engineer, 1st Division, dated Nursapur, 26th June 1867, No. 189.

1. I have the honour to forward herewith a design, with specification and estimate, for a tunnel which is much required under the Oondee high level channel at the village of Yendagundy. A sketch map is also forwarded, which shows why a tunnel is required. The village of Yendagundy is at present completely banked in, and there is no way of escape for the drainage. The tunnel is, therefore, a necessity if only to drain the village, but besides this (as shown in Mr. Horsfall's letter, copy enclosed 149 acres, with a total Shist of Rupees 1,013, will be taken up on the tunnel being built. The work will, therefore, be immediately remunerative.

2. I propose to build the tunnel under the Oondee channel instead of in the bank of the Yennamaduru drain, because I consider that it might happen that heavy rain fell during the time the Yerracalwa was in flood, and that therefore a safer outfall is afforded by draining into the old channel on the west of the Oondee canal which eventually discharges into the Bonda drain.

3. I request you will obtain the sanction of Government to this estimate, in order that the work may be undertaken next January, and completed during the current official year.

No. 467. ORDER THEREON, 19th July 1867, No. 2,170.

IRRIGATION, No. 28.

1. With this letter the Acting Superintending Engineer of the 1st Division submits an estimate of Rupees 1,100 for the construction of a tunnel under the Oondee high level canal at Yendagandi in the Godavery District.

2. The Range Officer explains that the work will not only afford the means of escape for the drainage of the village, but will also prove immediately remunerative by bringing under cultivation 149 acres of land at an annual assessment of Rupees 1,043.

Proceedings of the Madras Government, Public Works Department.
19*th July* 1867.

3. The Government approve of the estimate and authorize the Acting Superintending Engineer to carry out the work if he can provide the requisite funds.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 1st Division, with one Specification.
,, Controller of Public Works Accounts.
,, Accountant General.

Exd. S. T. Augustin.

No. 189.

Range Office No. III or Western
Delta Range Godv. District
Nursapur 26th June 1867.

From
The Executive Engineer
In ch: No. III Range Godv. Distt.

To,
The Superintending Engineer
1st Division.

Sir,

I have the honor to forward here
with a design with specification and
estimate for a Tunnel which is much
required under the Undi High Level Ch
at the village of Yendagundy. A sketch
map is also forwarded which shows wh
a Tunnel is required. The village of Yen
dagundy is at present completely bank
in, & there is no way of escape for the dra
-age water. The Tunnel is therefore a
necessity if only to drain the village, bu
besides this (as shown in Mr Horsfall's lett
copy enclosed) 149 acres with a total assist
of Rs 1,043 will be taken up on the Tunnel
being built. The work will therefore be
immediately remunerative.

I propose to build the Tunnel
under the Undi channel instead of in
the bank of the Yennamadurru drain,
because I consider that it might happe
that heavy rain fell during the time
the Yerracaliva was in flood, and that
therefore a safer outfall is afforded
by draining into the old channel on the
west of the Undi Canal which eventuall
discharges into the Bonda drain.

I

I request you will obtain the sanction of Government to this estimate in order that the work may be undertaken next January and completed during the current official year.

Thave &c &c
Lt J. W. Rundall
Esc. Engineer No III Range
(True Copy) Gov. Visit.

T. Buckley. Capt R.E.
Ag. Supt. Eng: 1st D.

Sup. Eng. 1st D. Office
Camp Dowlaishwaram
29th June 1867.

No. 81.

From,
Captain T. Beckley R.E.
Ag. Supt. Engineer 1st D.

To,
Colonel C. A. Orr R.E.
Secretary to Government-D.P.W.

Sir,

Enclos. 5.

1 Sketch -
1 Plan -
1 Estimate.
1 Specification.
1 Letter.
5

I have the honor to forward plans and Estimates amounting to Rs 1,100 for building a Tunnel under the Coondee Channel to drain the village of Gundagundy.

2. I know from personal observation that the situation of this village is often very wretched as being entirely enclosed by high bunds it is during the rains surrounded by water or swamp-

3. From Mr Rundall's letter × it will be seen that the work proposed will prove remunerative to the extent of 100 per cent.

× No 189 dated 25th June 67.

Thave &c &c

T. Buckley. Capt R.E.
Ag. Supt. Eng: 1st D

"New Work. Agricultural".

Detailed Estimate of the probable expense for Constructing a Tunnel under the Undi high Level Canal at the Village of Yendagandi.

Discription of Work	L	B	D	Nos	C. ft
Concrete					
Under the Sluice &c	89.6	9.0	1.6	1	1208.3
Do the Wings	5.6	1.6	1.6	4	114.6
Over the Arch	71.0	9.0	0.3	1	159.9
			Total C. ft		1516.6
Brick work					
Bed under the Sluice	75.9	7.7½	1.6	1	866.4.8
Do do the Wings	5.6	3.1½	1.0	4	68.9
Do do the Counterforts	6.0	2.7½	1.0	4	63.0
Side walls	75.0	2.0	1.0	2	300.0
Wings above	5.6	2.0	8.9	4	385.0
Counter forts do	4.3	1.6	8.9	4	223.16
Blocking Course	2.0	2.0	1.0	4	16.0
Face walls over Vent	6.6	2.0	4.6	2	117.0
			Total C. ft		2039.3
Arch work	75.0	6.3	1.6	1	703.16
Cornice work R ft					29
Plastering					
Vent	75.0	6.0		1	450
Faces	17.0	4.6		2	153
Inside of Retaining walls	17.6	4.6		2	157.6
on the top of do	17.6	2.0		2	70.0
Counterforts	4.3	8.6		4	144.6
Top & sides of Do	12.0	1.6		4	72.0
Sides & top of Vent	71.0	13.0		1	923
For extra works			Total Sq ft		1970

= Immeralue

P.T. Copy of Letter No. 2170 dated 19th July 1867 for Estimate for Tunnel under the Undi High Level Canal at the Village of Yendagandi.

Rec'd 19th July 1867

Rec'd Copy of Letter No. 2170 dated 19th July 1867 from the Secretary to Government, Public Works Department, Madras, forwarding Estimate for building a Tunnel under the Canal at Yendagandi.

Ordered that the Estimate be submitted to the Government for sanction.

Executive Engineer's Office
Vizagapatam
19th July 1867

C. 19th July 1867 R. 115.

"New Work. Agricultural"

No 3 or Western Dilla Range, G.D.

Abstract Estimate of the probable expense for Construc=ing a Tunnel under the Undi High Level Canal at the Village of Yendagandi.

Contents	Description	Rate	Per	Amount	Total
56 1/6	C. Yds of Concrete in Chunam	3 12 "	C. Yd	210	10 "
2039 1/4	C. ft of Brick in Chunam	" 3 -	C. ft	382	5 9
703 1/8	Do of Arch work	" 3 3	Do	142	13 2
19 3/4	Sq.rs of Plastering 2 Coats	4 - -	Sq.r	79	- "
29	Rft of Cornice work	" 3 -	Rft	57	"
	Centring Charges			25	- "
	Removing banks Excavating making up Banks again			150	
	Baling			50	
				1045	5 11
	Sundries & Contingencies			54	12 1
	Total Rupees			1100	0 0

Jno. Randall
Exec. Engr

J. Tinson
Calculator

J. Buckley Captain Engr
Asst Superintg Engr 1st Divn

No 3 Range Office
Nursapur
30th May 1867

Exec Engr
No 3 Range
G.D.

Copy to be sent to Revenue Survey Office

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Public Works Department.

No 2170.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 19th July 1867

Read the following

From the Supdg Engr Godavery Dist. Rajahmundry

(Here enter No. 81 dated 29th June 67)

From

The Exec. Engr

No. 3 Range

G.D

To

The Collector

Godavery Dist.

Dated 31st March 1867

Recd

Estimate for Con=
=structing a Tunnel
under Undi high
Level Channel
at the Village of
Yendagandi Rs

P W 25 Aug 67.

c. 10th July 1867 02. 115

= Inundation by bringing under cultivation 149 acres of land at an annual assessment of £ 1043 —

The Government approve of the Estimate and authorize the Superintending Engineer to carry out the work if he can provide the requisite funds —

6 " The Supply & Distr
4 — " Cultivation & Collec
3½ — " Acc. Clerk
½ " " Clerk
4 " " Overseers

Less 29½%
22½%
4

work to be specified

P. W. 1867. Department.

Pro: of Govt. for July

No. 2170

PROCEEDINGS OF GOVERNMENT Madras

Dated 19th July 1867

Sanctioning the Estimate of Rs. 1108 for the construction of a Shunnel under the Bonda Canal at Yindagandi on the Godavary District.

Pp. 466-467

e. 10th July 1867 Rd. 16th