

Public Works (1897) Department.

Encl. 1st
Printed

G.O., No. 5412
C

DATED 19 June 1897

117/97

[Despatch Abstract.]

Virapuram Vanganur Irrigation Channel.

Estimate of Rs. 20000 for excavating
the same in Anantapur Dist. sanctioned as
a famine relief work.

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21.9

[P.W. No. 1,000-30-11-97]

20.6.97

[Ind. red.]

117/97

115/6

Estimate of Rs. 20,000 for excavating the — in Anantapur district, sanctioned as a famine-relief work.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From W. B. DEWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation (through the Collector of Anantapur), dated Bellary, 1st June 1897, No. 1390 I.

I have the honour to submit, herewith, an estimate amounting to Rs. 20,000 for constructing Virapuram-Vanganur irrigation channel, in Tadpatri taluk of Anantapur district, for favour of very early sanction, in accordance with the request of the Collector of Anantapur, who wishes to commence the earthwork of the channel as a famine-relief work for which it is eminently suited.

2. The attached report and the enclosed copy of a letter I have written on the subject to the officer in charge of Bellary division will explain what is proposed.

3. Lump sums based on rough calculations have been entered for the masonry works.

4. The channel will probably pay something like 5 per cent. on its cost, so it is worth undertaking even as an ordinary work.

5. I beg that sanction to commence the earthwork may be communicated by telegraph.

ENCLOSURE.

REPORT to accompany Estimate for Excavation and of a proposed Irrigation channel from the Pennér River by Virapuram to Vanganur, Tadpatri Taluk, Anantapur District.

This estimate is prepared in accordance with Executive Engineer's No. 39-A, dated 24th November 1896, herewith enclosed.

The length of the proposed channel will be 15,000 feet as shown in the longitudinal section accompanying with side slopes 2 to 1 and bottom width 3.

2. The Acting Collector in his No. 3334 of 7th November 1896, noted that this proposed channel will bring about 200 acres of land under wet cultivation, for which the discharge should be approximately $6\frac{1}{2}$ cubic feet per second; and allowing the least depth in the hot weather to be $1\frac{1}{2}$ feet, the section of the channel may be 3 feet wide at bottom, with side slopes $1\frac{1}{2}$ to 1; but 2 to 1 has been allowed, as the soil is black cotton from 0 to 10,000 and sandy, &c., from 10,000 up to head. Apart from this, the ryots in their annual clearance, being in the habit of throwing the silt on the slopes, they will gradually decrease from 2 to $1\frac{1}{2}$ to 1.

If the slopes during excavation be formed $1\frac{1}{2}$ to 1, the amount will be reduced by Rs. 2,060 bringing the total amount to Rs. 14,530.

3. This will realize Rs. 1,000 giving a percentage of Rs. 6 and can therefore be certainly classed as an excellent famine work as noted in Executive Engineer's number above referred to.

4. The village authorities assert that about 50 acres of poramboke (Government waste land fit for cultivation) are available and will be purchased by the ryots, at Rs. 10 per acre the least, which in itself will be sufficient to pay for compensation, as the proposed channel passes almost entirely over dry lands.

The proposed bed level of the channel at head being 51.00 and at end 47.00, the fall per mile is 17". In abnormal seasons a greater head may be obtained by carrying the channel higher up in the river bed in the direction C D, as shown in sketch.

Masonry works.

At 814 the channel will cross a railway feeder where it is proposed to construct a culvert as per plan No. 1.

At 5,350 the channel will cross the Local Fund road from Bellary to Cuddapah, at which site a culvert is provided for, as per plan 2. At 7,250 it will cross the Petha Vunkah where a pipe syphon 380' in length on a bed of concrete will be laid (*vide* plan 3). The pipe will be on an average 4' below bed level of Vunkah. At 8,000, 8,500 and 1,1200 three small pipe syphons of 54, 28 and 54 ft., respectively, are provided to pass the proposed channel under the channels conveying waste water from fields. This will be essentially necessary as the proposed channel, though intended for irrigation, will be extensively used for drinking purposes by the inhabitants of Vanganur and adjoining villages, who are now suffering from a dearth of water, and where the water in existing wells is unfit for use.

At head of channel there will be a masonry wall with a vent as shown in plan 7 to keep out silt during floods in the river.

After three trial levels were taken and plotted, the line A B X C shown on the sketch in lake was found to be the cheapest and least objectionable to ryots.

A shorter line may be obtained by connecting A X; but the surface on inspection was found to be deeply guttered by flood water flowing to the river, and will be the cause of frequent breaches.

(Signed) J. ELLIOT,
Sub-Engineer.

21st April 1897.

(Signed) A. R. DECHAZAL,
Assistant Engineer.

22nd April 1897.

Ref. No. 3334 of 1896.

Forwarded to the Chief Engineer for Irrigation with all the enclosures, for sanction.

(Signed) R. H. SHIPLEY,
Ag. Collector.

9th June 1897.

No. 133 I.

Note by the Chief Engineer for Irrigation.

With the above letter the Superintending Engineer forwards, through the Collector, an estimate of Rs. 20,000 for a channel from the Pennér to irrigate 200 acres in Vanganur village, Tadpatri taluk, Anantapur district, and states that the earthwork is eminently suitable for famine relief. Except during floods, the water which it is proposed to draw off will be so much lost to villages further down the river, and it is only the great need for famine relief which can justify the sanction of the estimate.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

15th June 1897.

No. $\frac{571}{C}$ I., 19TH JUNE 1897.

The following estimate is sanctioned as a famine-relief work.

Estimate	...	...	...	...	...	...	...	...	RS.
									20,000

3. The following deferred telegram will be sent:—

"Virapuram-Vanganur Irrigation channel sanctioned for famine relief."

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
 „ Superintending Engineer, III Circle, with eleven enclosures.
 „ Examiner, Public Works Accounts.
 „ Revenue Department, with copies of remarks by the Honourable Members.

Ed. T. K. Narayana Aiyangar.

Order

From The Chief Engineer for Iron

No. 133. I

Dated 15- 6 - 97

Received 30-6-97

Enclosures 14 (8 plans)

Spare copies

SUBJECT.

Keerapuram Vanganoor
 Channel - Estimate of Rs
 200,000 for Constructing in
 Tadpatri Taluq note re-
 Commending for sanction
 the - as a famine relief
 work.

Regd. 11/30/1917

CURRENT No. 6341

4 No. $\frac{571}{C}$ I., 19TH JUNE 1897.

ORDER—No. $\frac{571}{C}$ I., dated 19th June 1897.

The following estimate is sanctioned as a famine-relief work.

Irrigation.
33. Famine Relief.
Minor Works and Navigation.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Bellary Division.
Original Works.
Virapuram-Vanganur Irrigation Channel.

Estimate	...	...	...	...	...	...	...	...	RS.
									20,000

2. This sanction is registered as No. 51 I. of 1897-98.

3. The following deferred telegram will be sent :—

To the Superintending Engineer, III Circle, No. 10.

"Virapuram-Vanganur Irrigation channel sanctioned for famine relief."

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.

" Superintending Engineer, III Circle, with eleven enclosures.

29 Examiner, Public Works Accounts.

" Revenue Department, with copies of remarks by the Honourable Members.

Exd. T. K. Narayana Aiyangar.

Order

From The Chief Engineer for Iron

No. 133. I

Dated 15- 6 - 97

Received 30.6.97

Enclosures 14^x (8 plans)

Spare copies

SUBJECT.

Keerapuram Vanganoor
 Channel - Estimate of Rs
 200,000 for constructing in
 Tadpatri Taluq note re-
 commending for sanction
 the - as a famine relief
 work.

R.R.
 Regd. 11.30/1/97

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

to: 541.819.6.94
Date this 19/6/9

Letter from the Superintending Engineer III Circle } H E No 1390 dated 15th June 97

Engineers III Circle)
Note by the Chief Engineer for Irrigation. H.E. No. 133. 15th June 91
With the above letter the.

With the above letter the.

Superintending Engineer, forwards,
through the collector, an estimate
of Rs 20,000 for a channel from
the Penner to irrigate 200 acres
in Vanganur village, Tadpatri Taluk,

Anantapur District, and states that the earthwork is eminently suitable for famine relief. Except during floods the water which it is proposed to draw off will be so much lost to villages further down the river and it is only the great need for famine relief which can justify the sanction of the estimate.

Apparently the remark as to the waste land which can be sold soon to reduce the cost of the work should receive attention in the R.D.

ask the court about it

Order thereon

The following estimate is sanctioned as a famine relief work

Irrigation

33 Famine Relief

Minor Works and Navigation

Minor Works for which neither Capital nor Revenue accounts are kept, P. W. D.

Bellary Division

Original Works

Virapuram Vangamur irrigation Channel -

Estimate Rs 20,000

2. This sanction is registered as No 51 I of 1897-98.

3. The following deferred telegram will be sent.

To The Superintending Engineer, III Circle No. Virapuram Vangamur Irrigation Channel sanctioned for famine relief.

Telegram sent 19.6.97

15/6/97

15/6/97

The Chief Engr. for Dist

The Supr Engr. III Circle with 11 Encls.

Examiner P.W. and

The Rev. Dept with copies of Remarks by the Hon'ble Members.

S.I.

With reference to

H. his remarks on the margin of R. S. note

I have added the following ^{in pencil} to the Communication

for your approval.

If approved they will be added in.

"The Revenue Dept with copies of remarks by the Hon'ble Members."

Please initial the copy of remarks to go to the Rev. Dept into the Rev. G.O.

24/6

24/6/97

25.6.97

(1897) Department.

CURRENT No. 10 A H

From W. B. de Winton Esq.
Supt. Engineer, III Circle
Bellary.

No. 1390 J

Dated 1st June 1897

Received 14.6.97

Registered

Enclosures 10 (2)

are copies

SUBJECT.

Virapuram Vangamur Channel - Forwarding for notation an estimate of 20,000 for constructing - Ladipatti Saley.

Public Works (1897) Department.

CURRENT No. 10 A H

The S. S. to her satisfaction
has sent thro the Collector
which he come direct to order
It provides for a channel
nearly 3 miles long to
carry 6 1/2 c.f.s.
+ irrigate about
200 acres -

Order

From

W. B. de Vinton Esq.
Supt. Engineer, Madras
Bellary.

No. 1390 J

The cost work of the channel
is estimated to cost Rs 12594
a rate of 4/10/0 (200 c.f.s.)
being allowed - and
approximate amounts are
allowed for masonry works
for drainage across the
channel + to pass the
channel across a road
railway -
Collector wishes to start the
as a famine relief work
S. S. asks for sanction

Dated 14 June 1897
Received 14.6.97
Registered
Enclosures 10 (2)
Spare copies

SUBJECT.

Theraperam Vanganur
channel - Forwarding for
sanction an estimate of
Rs 20000 for constructing -
in Sadpatri Taluk.

her
re

J. H.

19697

RS

22/6/97

J. H.

24/6/97

m

T

r

Suburban
deposited 19.6.97

14/7/97

The Chief Eng. for Dist
The Supt. Eng. Madras with W. S. S.
Examiner P. W. S. S.
The Rev. Dept. with copies of Remarks
by the Hon'ble Members.

OK PAPERS.

FURTHER PAPERS

Public Works (189) Department.

CURRENT No. 10. *AN*

Order

From
The Supper Rug.
5th Floor

No. 1390. ✓

Dated 1-6-97

Received 14. 6. 97

Enclosures 12

Spare copies

SUBJECT.

is of Remark
unusual.

(11) The Village authorities assert, that

about 60 acres of Peramboke (Govt waste land fit for cultivation), are available and will be purchased by the ryots, at 10 Rs per acre the least, which in itself will be sufficient to pay for compensation; as the proposed channel passes almost entirely over dry lands.

allowed Rs 500
for compensation
for lands in the
estimate & the
expected value of
lands can be
credited to the work

The proposed bed level of the channel, at head being 51.00 and at end 47.00 the fall per mile is 17". In abnormal seasons a greater head may be obtained by carrying the channel higher up in the river bed in the direction C D as shown in sketch.

Masonry works.

At 514 the channel will cross a Railway feeder where it is proposed to construct a culvert as per plan No. 1.

At 5350 the channel will cross the L. F. Road from Bellary to Cuddapah, at which side a culvert is provided for, as per plan 2. At 7250 it will cross the Petha Vunkah where a pipe siphon 380' in length, on a bed of concrete will be laid vide Plan 3. The pipe will be, on an average 4' below bed level of Vunkah. At 8000, 8500 & 11200 three small pipe siphons of 54, 28 & 54' respectively are provided, for to pass the proposed channel under the channels conveying waste water from fields. This will be essentially necessary as the proposed channel though intended for irrigation will be extensively used for drinking purposes by the inhabitants of Vanganur, and adjoining villages, who are now suffering from a dearth of water, and where the water in existing wells is unfit for use.

At head of channel there will be a masonry wall with a vent, as shown in plan 7 to keep out silt during floods in the river.

After three trial levels were taken and plotted, the line A B H C shown on the sketch in lake was found to be the cheapest & least objectionable to ryots.

A shorter line may be obtained by connecting A. X; but the surface on inspection was found to be deeply guttered ^{by flood water} flowing to the river, and will be the cause of frequent breaches.

John Estlin
Secy on
9-4-97

Rd Chapp
22/4/97
asst Secy

No. 1390

Superintending Engineer's Office,
3RD CIRCLE.

Bellary May 1897.

FROM W.B. de Winter Esq.,

SUPERINTENDING ENGINEER,

IIIRD CIRCLE,

BELLARY.

TO

THE Chief Engineer
for Irrigation
Coimbatore.

Sir,

Through
the Collector of
Mantapur.

Enclosures.

- 1 Sketch map
- 6 Sheets of Longitudinal
+ cross sections.
- 1 Estimate with report
- 1 Tracing.
- 1 Copy of letter

Ref- 353496
Forwarded to
the Chief Engineer
for Irrigation
with all the
enclosures, for
sanction

R.H. Shipley
Asy Collector

1/4
8/11/97
ha
2/6/97

Sir,
I have the honor to submit herewith
an estimate amounting to Rs 20000/- for cons-
tructing Virapuram Vangamur Irrigation channel
in Taspatre Taluq of Mantapur District for favor
of very early sanction, in accordance with
the request of the Collector of Mantapur
who wishes to commence the earthwork of
channel as a famine relief work for which
it is eminently suited.

2. The attached report and the enclosed
copy of a letter I have written on the subject
to the Officer in charge of Bellary Division to
explain what is proposed.

3. Lump sums based on rough calculations
have been entered for the masonry works.

4. The Channel will probably pay some
like 5% on its cost, so it is worth undertaking.

P.W. 634/97

even as an ordinary work.

5. I beg that sanction to
commence the earthwork may be
communicated by telegraph.

I have the honor to be,

Sir,

Your most obedient servant,

W. H. Hill

3/10/97
Robert Edgar Hill

3/11/97

From

The Superintending Engineer,
IIIrd Circle,
Bellary.

To

NIOAN

The

Dated,

Received

}

189

Enclosures,

No.

Subject.

P.S. 634/197