

✓ G.O., No. 878 J.

DATED 17 Oct 1899

18/10/99

[Despatch Abstract.]

Thokapally in Markapur Taluk,
Kurnool Dist. The estimate of Rs 4910
for investigating the site of the proposed
dam at —, sanctioned.

989
100-19-9-99

Thokapally in Markapur Taluk, Kurnool Division

The estimate of Rs. 4,910 for investigating the site of the proposed dam at —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer, III Circle, dated 28th July 1899, No. 2779 I.
 To the " " " " " " 11th August 1899, No. III/11 K.R.
 To the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 14th August 1899, No. 222 M.
 From the Superintending Engineer, III Circle, dated 19th August 1899, No. 3044 I.
 To the " " " " " " 31st " " " " III/14 K.R.

No. 182 I.

Note by the Chief Engineer for Irrigation.

In 1892 orders were passed to investigate the Thokapally project in the Kurnool district and famine labour was employed to break stone for a concrete dam. An estimate of Rs. 5,57,500 was submitted in 1895, which the Superintending Engineer, III Circle, was asked to recast. The Superintending Engineer reported unfavourably on the project which was also condemned by another Superintending Engineer (Mr. deWinton) in 1896. The Collector having been asked for an opinion whether the project might be undertaken as a famine protective work considered that it was not worth taking up. In 1898 when it was found that there were no other promising projects in the Kurnool district further investigations were ordered. The Superintending Engineer, in his No. 786 I., dated 3rd June 1898, thought the Collector's reasons for rejecting the project were not conclusive and recommended the deputation of an experienced Revenue officer to examine the land that could be commanded. The undersigned directed that before this was done it was necessary to ascertain whether the Engineering difficulties in the construction of a dam could be overcome. With his letter No. 2779 I., dated 28th July 1899, the Superintending Engineer submits the results of an examination of the dam site which shows that a masonry dam can be constructed. The Superintending Engineer submits an estimate of Rs. 4,910, the cost of this investigation, which may be sanctioned, and recommends that a Revenue officer be now deputed to report on the land commanded as he formerly suggested. The Revenue Board has been addressed on the latter subject.

18th September 1899.

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

ORDER—No. 878 I., dated 17th October 1899.

The following estimate is sanctioned :—

Provincial.
 Irrigation.
 Other minor works for which neither Capital nor Revenue nor individual Accounts are kept, P.W.D.
 Original Works.
 Kurnool Division.
 Investigating the site of the proposed dam at Thokapally.

Estimate	RS.
	4,910

2. This sanction is registered as No. 73 I. of 1899-1900.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
 " Superintending Engineer, III Circle, with five enclosures.
 " Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

Public Works (1899) Department.

CURRENT No. 8391

8789

From

The Chief Engineer

Order

No. 182 J

Dated 18-9-99

Received

Registered

Enclosures

Spare copies.

} 12-10-99
Planes - 3 } Total
Others - 63.9

SUBJECT.

Thokapally in markapur—
Estimate of Rs. 4910 for in-
vestigating the site of the pro-
posed dam at—Recommend
with remarks for sanction the—

res

CS

FURTHER PAPERS.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimate of Rs 4910 for investigating
the site of the proposed dam at the Kalath

UNDER date the

READ the following

From the Supp: Enquirer 3rd Circle - No. 2779. Dated 28th

To the _____ do _____ July 1899.
N. ^{III} _{HKR} dated 11th Aug: 1899.

To the Board of Rev: (Rev. Settlement, Land Records and
Agriculture) N. 222 M. d/ 14th Aug: 1899.

From the Supp. Enquirer 3rd file - N^o. 3044. I. d. 19th - do -

To the _____ do _____ N^o. $\frac{III}{144R}$ dy 31st August/99.

Note by the Chief Engineer
for Irrigation.
No 182 J. H. 18. 9. 99

In 1892 orders were passed to investigate the Shakapally project in the Kurnool district, and famine labour was employed to break stone for a concrete dam. An estimate of Rs. 5,57,500 was submitted in 1895, which the Superintending Engineer, 3rd Circle, was asked to recast. The Superintending Engineer reported unfavourably on the project which was

Issue

7.10.99 Not

MS
7.10.59

829

also condemned by another
Supp. Engineer (Mr. de Louison)
in 1896. The collector having
been asked for an opinion
whether the project might be
undertaken as a famine
protective work considered
that it was not worth taking
up. In 1898 when it was
found that there were no other
promising projects in the
Kinnool district further
investigations were ordered.
The Superintending Engineer,
in his N^o 786. I. dated 3rd
June 1898 thought the collector's
reasons for rejecting the
project were not conclusive
and recommended the
deputation of an experienced
Revenue Officer to examine
the land that could be
commanded. The undersigned
doubted that before this was
done it was necessary to

ascertain whether the Engineer's
-ing difficulties in the
construction of a dam
could be overcome. With
his letter N^o 2779. I. dated
28th July 1899 the Supp.
Engineer submits the results
of an examination of the
dam site which shows that
a masonry dam can be
constructed. The Supp. Engineer
submits an estimate of
Rs. 4910, the cost of this
investigation, which may be
sanctioned, and recommends
that a Revenue Officer be
now deputed to report on
the land commanded as he
formerly suggested. The
Revenue Board has been
addressed on the latter subject.
N^o: 878 L 9/17-10-99
Order thereon.

The following estimate
is sanctioned:—
Provincial.
Irrigation.

Other minor works for which
neither Capital nor Revenue
nor individual accounts
are kept. P.W.D.

Original works.

Kurukul Division.

Investigating the site of the
proposed dam at Thokapally.

Estimate . . . Rs. 4910.

2. This sanction is registered
as No 73 D of 1899-1900.

JS

16/8/99

M

10/9/99

To,

The Chief Engineer for Sindh:
a Supy. Engineer *3. Field*
a Examiner of Public Accounts

A.H.
5.10.99

Public Works (1897) Department.

CURRENT No. 16 K.R.

Done

From The Superintg. Engineer
3. Field
Beechey

Order

No. 2779 S.

Dated 28 — 7 — 99

Received } 31 — do —

Registered

Enclosures 6 ✓

Spare copies.

SUBJECT.

Thokapally in Markhor

Forwards for approval
and sanction of Government
and estimate Rs 4910 to do
the proposed dam at —

Recd
3/8/99

3/8/99

BACK PAPERS.

FURTHER PAPER.

No.	Date.
J 11 KR	10-6-98
R 19 CD	3-6-98
J 7 KR	23-4-98

No.	Date.
J 11 KR	11-8-99
J 222 m	14-8-99
R 19 KR	19-8-99

No. 2779 J.

Superintending Engineer's Office,
3RD CIRCLE,
Bellary 28th July 1899.

FROM

Lt. Col. W. L. C. Baddley R.E.

SUPERINTENDING ENGINEER,
3RD CIRCLE,
BELLARY.

To

THE

Chief Engineer
for Irrigation,
Madras.

31 JUL. 1899

16 KR

Sir,

Enclosures.

- 1 Report.
- 1 Detailed estimate
- 1 abstract estimate
- 1 Drawing showing trencher proposed to be dug.
- 2 sections

to available?
102

R 19 CD 98
J 7 KR
Flag K

I have the honor to submit for your approval and sanction of Government an estimate amounting to Rs 4910 together with a report on the investigation of the site for the proposed dam at Thokapally in Markapur Taluq, and to state that the examination shows that a masonry dam can be constructed.

2. The work will be some protection against famine, when completed, but it can scarcely be classed as a famine relief work, as the greater part of the broken stone required for the concrete dam, has already been collected.

3. I beg to refer you to my L^t. 786 J of 3.6.98 and your reply L^t. IIIrd of 10th June 1898 to suggest that before detailed plans and estimates are commenced, the Revenue Department should depute an experienced officer to make the report suggested in para 6 of my letter referred to above.

In the mean time I will take an early opportunity of going through the papers with Mr. Johnston and arrange the outlines of the scheme.

4 I beg that early sanction may be given

given to his estimate now submitted to
present account objections being raised.

5. In S.O. N. 364 of 9th April 1892 sanction flag 7
was given to be made and collect 2000 Cyp.
of stone for concrete and in S.O. N. 916 of 1st Nov 89
of 21st Nov 894 an estimate of Rs 4140 was
sanctioned for preliminary expenses. The
estimate now submitted has no connection
with either of these.

I have the honor to be
Sir

Yours most obedient servant

W. S. Adams

Lt. Col. R. E.

Superintending Engineer
The Circle, Bellary

Given to his estimate now submitted to
present account objections being raised.
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sanctioned for preliminary expenses. The
estimate now submitted has no connection
with either of these.

I have the honor to be
Sir
Yours most obedient servant

W. S. Adams
Lt. Col. R. E.
Superintending Engineer
The Circle, Bellary

From
The Superintending Engineer,
3rd Circle,
Bellary.

To
The _____

Dated } _____ 189 .
Received }

Enclosures.

No.

Subject.

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. III 11-K.R.

To
The *Supg Engineer 3rd Circle*

(Reply to letter No. _____, dated _____)

Dated 11. 8. 99

Despatched 14. 8. 99

Enclosures *

* Particulars of Enclosures.

SUBJECT.

Proposed ^{dam} at HoKapally in
Markapur. States that before
the estimate of Rs 4900 for the -
is submitted to Govt, SE requested
to give some explanation of the
very inexpensive and incomplete
method of investigation adopted

Induced

*Pos 6
6391/99*

BACK PAPERS.

No.	Date.
R16KR	28-7-99

Sent to Government with No. I.,
dated 189 .
Printed with G.O., No. I.,
dated 189 .

REMINDERS ISSUED.

No. 1,	dated 189 .
" 2 "	
" 3 "	
" 4 "	
" 5 "	

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R19KR	27-8-99

III
No 11 KR 27-8-99

Before the estimate received
with the S. S. No 2779 I do
28 July 1899 is submitted to
for the S. S. is requested to
be good enough to give some
explanation of the very
expensive and at the same
time incomplete method of
investigation adopted.
Apparently the information
obtained by the excavation of the
parallel trench parallel to the river
is across the line of the dam
could have been obtained
by sinking a few wells
while a single trench in the
proposed line of the dam
would have given all the
information required for the
preparation of the S. S.
2. The No 11 KR will be
communicated with regard
the preparation of a statement

of irrigable land but in
case of the report proving
unfavourable it would be
well to ascertain whether
there is any place some
distance down the river
where a cheap dam
could be constructed so
as to command a tract
of good soil.

4/5/99 W.H.

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 222 M

To

The Secy to the Commr of
Reve Soil Land Revenue
and Agriculture

(Reply to letter No. , dated)

Dated 14.8.99

Despatched 18.8.99

Enclosures * 3

* Particulars of Enclosures.

SUBJECT.

The Kalyan Project - Forward
certain ^{Copies of} correspondence for
favour of the Board's opinion
whether the reports already made
are conclusive against the —
and if not whether the Sd. Dy.
Colly Kalyan - Cuddalore Canal
can be sent to give his opinion
on the subject with a statement
of irrigable land.

Per 7
4391/99

BACK PAPERS.

FURTHER PAPERS.

No.	Date.
R16KR	28-7-99

Sent to Government with No. I,
dated 189 .

Printed with G.O., No. I,
dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .

" 2 "

" 3 "

" 4 "

" 5 "

KEEP-WITHS.

No.	Date.
R19KR	7/19-8-99

Handwritten notes in the left margin of the right page, including "Send copies to the" and "H.P. + C.W. + ...".

From L.S. II. No. 286 I
3.6.98

with Coll. : Kurnool
Letter No. 3793
10.12.27

To the L.S. III
No. III 10.6.98
H.P.

From the L.S. II
No. 2729 I
28.7.98.

Get a statement of the subject in the
irrigable land

Handwritten notes at the bottom of the right page, including "I am about to" and "Copies as provided" and "for investigation" and "before the" and "come back".

W222M

The Sec.
Board of Rev.
Rev. Sec. Land
Records & Agriculture
H.P.

In forwarding herewith
Copies of correspondence
marginally noted I
have the honour to
request the favour of
the Board's opinion
whether the report already
made are conclusive
against the Thokapally
Project and if not
whether the Special Dy.
Coll. can be sent to
give his opinion on

the subject in the
mean time the
Engineering features
of the scheme -
14/8/98

Public Works (1897) Department.

CURRENT No. 19 K.R.

From The Superintg. Engineer
Barrack
No. 3044 I

Dated 19-8-99

Received } 24-8-99

Registered

Enclosures / copy of Insp. Note.

Spare copies.

SUBJECT.

Thokkappally Project.
For a or explanation
for the points noticed by
the Chief Engineer of
Irrigation regarding reservoir
dam & ————

DSJ

10/25/99

Order

29/8/99

10/25/99

10/25/99

Submitted for
Sanction
10/25/99

For the estimation has been checked

10/25/99

10/25/99

10/25/99

10/25/99

BACK PAPERS.

No.	Date.
I 222 R	14-8-99
I 11 KR.	11-8-99.
R 11 KR	28-7-99
R 304 KR	15-7-96

FURTHER PAPERS.

No.	Date
I 14 KR	31-8-99

No. 3046, I

Superintending Engineer's Office,

3RD CIRCLE.

Bellary 19 August 1899.

FROM

Lieut. Col. W. L. C. Baddley R.E.

SUPERINTENDING ENGINEER,

3RD CIRCLE,

BELLARY.

Flag J

To

THE

Chief Engineer
for Irrigation,
Coimbatore

Sir,

Enclosures.

1 Extract from
Inspection Report
Flag J

R 304 KR, Flag O

In reference to your No. III of 11-8-1899, I have the honor to refer you to para 516 of your memo No. 20 KR of 30th October 1893 and para 2 of this Office No. 1111 of 15th July 1896. If the dam is to take the form of a masonry wall with a subsidiary dam some distance below it, to form a water cushion between the walls, or indeed if the surplus water is to be at all passed through or over the dam, it is essential that there should be round rock for a sufficient distance above and below the Centre line of the dam. I do not understand how you would arrange to bale the wells you refer to, probably a stream pump would have been necessary. Even with the trenches connected with a drainage channel it was found difficult to keep down the water and the day after Mr. Johnston had completed his examination of the rock, the whole of them were flooded. The arrangements suggested by you

would

L. Form No.
B.
N.

would not in my opinion have given the required information.

When I first heard of the project in May 1898 I directed trial trenches to be made as it was evident from the papers that the feasibility of the work depended upon the fact of there being a sound rock foundation upon which to build the dam.

One of the Chief Causes of the great losses in the Mangrove project was due to the false information given by the trial pit, which showed the line of the channel to be clear of rock while as a matter of fact the bed of the channel had to be blasted out for considerable lengths.

I enclose an extract from Mr. Johnston's inspection notes for April 1899 and I am of opinion that further investigation is not necessary.

As regards your suggestion for an Aqueduct I beg to state that the Daguerre only runs for short periods, two or three days, and unless storage is provided, it would not be possible to irrigate 20 acres. There is I believe no direct irrigation under any of the hill streams in the Markapur Taluk.

I have the honor to be
Your most obedient servant

W. S. Caldwell
Superintending Engineer
III Circle

18/5/99

It would not in my opinion have given the required information. When I first heard of the project in May 1898 I directed trial trenches to be made as it was evident from the papers that the feasibility of the work depended upon the fact of there being a sound rock foundation upon which to build the dam. One of the Chief Causes of the great losses in the Mangrove project was due to the false information given by the trial pit, which showed the line of the channel to be clear of rock while as a matter of fact the bed of the channel had to be blasted out for considerable lengths.

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I have the honor to be
Your most obedient servant

W. S. Caldwell
Superintending Engineer
III Circle

18/5/99

From
The Superintending Engineer,
3rd Circle,
Bellary.

To

The

Dated

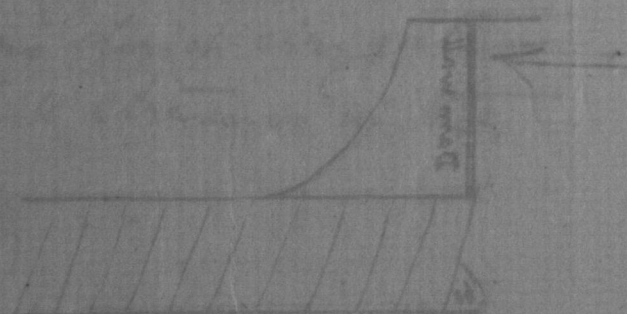
Received

189

Enclosures.

No.

Subject.



Extract from the Inspection notes of J. E.
Johnston Esq. Executive Engineer, Bellary
Division for the month of April 1899

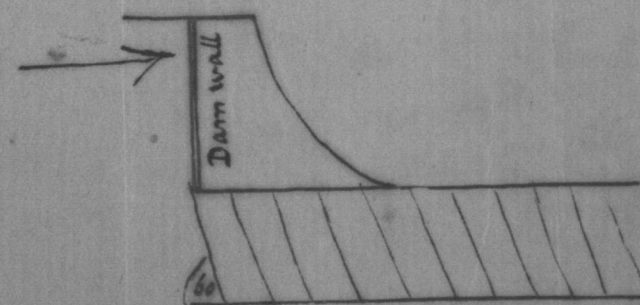
31st March to 4th April. Marched to Thokapally
in Markapur Taluq.

5th and 6th April 1899. Thoka pally.

The three trenches have been excavated down
to rock. Each not quite 300 feet in length
as ordered but of sufficient length to give
one a fair idea of the rock below. The
Sub Divisional Officer had levels taken of the
at 2 or 3 feet intervals in places, these levels
were plotted on longitudinal sections.

Examined the rock in each trench and
satisfied myself that nothing but sound
rock had been reached. The rock on the
sides bordering the gap is quartzite inclining
at an angle of about 60° with the horizon, it
dips towards the East and is sound. The rock
in the trenches is met with at depths varying
from 10 to 24 feet below deep bed of bag.

The dam wall if built
will be N and S and as the
water will be on the N
face, the dip to the East
does not seem an unfavourable
feature.



FOR INFORMATION
24 AUG. 1899

1/19 K.R.

(True & correct)

W. B. Baddley

H. C. R. R.

Superintending Engineer

19/8/99

3rd Circle. Bellary

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 14-KR

To

The Supg Engineer & Force

(Reply to letter No. , dated)

Dated 21. 8. 99

Despatched 2. 9. 99

Enclosures *

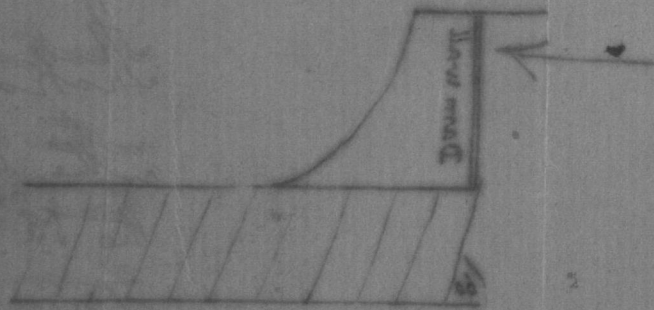
* Particulars of Enclosures.

SUBJECT.

Thokapally Pirect, Remarks on the explanation furnished by the S.E. regarding reservoir dam of — and states that it was not contemplated to construct an ament at a distance from the tank, without a tank to provide a regular supply.

To C. Inde

839/99



(Type Name)

Superintendent

17/10/99

BACK PAPERS.

No.	Date.
Rig KR 19-8-99.	
Sent to Government with No. I., dated 189 .	
Printed with G.O., No. I., dated 189 .	
REMINDERS ISSUED.	
No. 1, dated	189 .
" 2 "	
" 3 "	
" 4 "	
" 5 "	
KEEP-WITHS.	

FURTHER PAPERS.

No.	Date.

III
No 14 KR 4/31. 8-99.

S. S. 10

With reference to the S.S.
letter No 2779 F of 20 July
1899 it is pointed out that
wells are benches across the
river could have been
constructed as easily as the
benches excavated were and
that which was considered
necessary to examine the
rock for a length sufficient
to include the foot of a
watercourse wall a length
of 150 ft should have been
sufficient and the mounting
could have been much
easier than for benches double
the length - It is presumed
from the excavation of a channel
7000 long to know the
water level only a few feet that
much greater length was anticipated
than was realized.
With regard to the last part of
the S.S. letter the nature of the
stream was known and it

was not contemplated to
construct an amisk at a
distance from the cache (in
the event of the ground near
the cache proving too strong
for profitable cultivation)
without the cache to provide
a regular supply.

30/5 H

3 p