Public Works (1898) Department.

G.O., No. 230 I

DATED 19 March 1898

[Despatch Abstract.]

Sarada river: Estimate of Rs. 9600 for training the course of the — below Markada village in Vizagapatam Division, sanctioned.

9/17

GEJ 19.3.98

[P. W. 26. / 1,000—12-2-98.]

Indexed.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1898} of Madras.
PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. *Spare copies*

G.O., No. 230 I., 19th March 1898.

MARCH.

Sarada River

Estimate of Rs. 9,600 for training the course of the—below Markada village in Vizagapatam division, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From W. C. deMorgan, Esq., M.I.C.E., Executive Engineer in charge, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 5th February 1898, No. 1060 V.Z.

Adverting to your memo. No. T./12 V.Z. of 1st July 1897, I have the honour to submit, herewith, an estimate, with sections and survey, amounting to Rs. 9,600, for training the course of Sárada river below Markada village and to request that you will be good enough to obtain sanction of Government to the same under 33. Famine Relief.

2. The work which was commenced as a relief work, as reported in this office No. 232/V.Z. of 22nd May 1897, was however completed, the booked outlay thereon being Rs. 7,362 to end of November 1897 and bills amounting to Rs. 2,000 are still awaiting payment.

3. A report also accompanies estimate.

Enclosure.

Report to accompany the estimate for training the course of Sárada River below Markada village.

	RS.
Amount of estimate	9,600

The course of Sárada river from Markada village up to head of No. 1 Tatiakulapalem channel has four crooked bends, and at these places breaches occur periodically. In addition to this one of the turns is at the head of No. 1 Tatiakulapalem channel, and it will not be advisable to construct the anicut at this place until a good approach is to be made.

There is no other suitable site for the anicut within a reasonable distance of the channel head. Moreover the cost of the proposed diversion will not be much more than the repairs of the old course and the cost of maintenance will be very much reduced. The wet land occupied by the proposed course of the river is 9 acres and this may be taken without any compensation in exchange for the old course of the river which is 9·6 acres.

All the work will be carried out in accordance with the standard specification.

No. 95 I.

Note by the Chief Engineer for Irrigation.

The Executive Engineer in charge, I Circle, submits for sanction under "33. Famine Relief" an estimate for Rs. 9,600 for training the course of the Sárada river below Markada village, Vizagapatam division, which was started on the urgent representation of the Collector of Vizagapatam to provide work for famine labour. The work has been completed.

The estimate may be sanctioned.

15th March 1898.

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

Order—No. 230 I., dated 19th March 1898.

The following estimate is sanctioned :—

Irrigation.
33. Famine Relief.
Minor Works and Navigation.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Vizagapatam Division.
Original Works.
Training the course of the Sárada river below Markada village.

Agricultural
Works - [illegible]
under [illegible]
vs 394C/99 -

	RS.
Estimate	9,600

2. This sanction is registered as No. 185 I. of 1897–98.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

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

Exd. C. Parthasarathy.

Public Works (1898) Department.

CURRENT No. 2548

From The Chief Engineer for Irrign

Order

No. 95 I

Dated 15-3-98

Received } 18.3.98
Registered }

Enclosures 6 (2 plans)

Spare copies

SUBJECT.

Training the course of the Surada river, below Markada village, Vizagapatam division Estimate of Rs 9600 for - Subt recommending for Sanction the —

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

A

His Excellency the Governor

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

C

Training the course of Sarada river below Markada Village - Vizagapatam Dn. Note recommending for sanction Estimate of Rs 9,600 for —

UNDER date the .

READ the following

From the Executive Engineer, in charge, First Circle. (H.E. No. 1060-V.Z. dy. 5.2.98).

2095 I

Irrigation Asst.

Note by the Chief Engineer for Irrigation.

The Executive Engineer, in charge, First Circle, submits for sanction, under "33, Famine relief," an estimate for Rs. 9,600 for training the course of the Sarada river below Markada village, Vizagapatam division, which was started on the urgent representation of the Collector of Vizagapatam to provide work for famine labour. The work has been completed.

vide letter flagged C

The estimate may be sanctioned.

15/3/98

JH
15.3.98

Issue

W.H.

10.3.98

I

Order thereon No. 230 I
of 19-3-98

The following estimate is sanctioned:—

Irrigation
33, Famine Relief.
Minor Works and Navigation.

18/3/98

Minor

Minor Works for which neither Capital nor Revenue Accounts are kept. P.D.

Vizagapatam division.

Original Works.

Training the course of the Sarada river below Markada village.

Estimate. ——— Rupees 9,600.

2. This sanction is registered as W. 185 I of 1897-98.

15/3/98

W H
15.3.98

A.S.H.
17.3.98

7.E.I.
18.3.98

To The Chief Engineer for Irrigation
" Supg. Engineer, First Circle, with 4 enclos.
" Examiner, P.W. Accounts

31/3/98

14/3/98

E. I. Form No. 1—500—1-11-97

E. 16/3

C.E.I.
17-2-98

Public Works (1898) Department.

CURRENT No. 3 VZ

2309/V

Order

The estimate has been checked

98

12-3-98

C.E.I. [illegible] the estimate

14-2-98

From W. Demorgan Esquire
Executive Engineer in charge
I circle

VZ **No.** 1060 V.Z

Dated 5th February 1898

Received 11 — Do —

Registered

Enclosures 2/4 (2 plans)

Spare copies

SUBJECT.

Training the course of Sarada River below Murakada village in Vizagapatam Divn —

Submitting an Estimate with (sections and survey), amounting to Rs 9600. for — and requesting to obtain the sanction of Govt. to the same under 33 Famine Relief

17-2-98

BACK PAPERS.	
No.	Date.
9(12VL8)	1.7.97
1180 V.Z	25-6-97
1123 G.N	22-5-97

8

FURTHER PAPERS.	
No.	Date.

E.1613

Enclos. 1 to No. 1060 V.Z of S.E. I circle
5-2-98

Report to accompany the estimate for training the Course of Sarada River below Murakada Village

Amount of Estimate Rs 9,600

SUPERINTENDING ENGINEER, No. 354 V.Z, 5 SEP. 97, 2, FIRST CIRCLE.

SUPERINTENDING ENGINEER, No. 511 V.Z, 21 NOV. 97, 2, FIRST CIRCLE.

SUPERINTENDING ENGINEER, No. 644 V.Z, 29 JAN. 98, 4, FIRST CIRCLE.

The Course of Sarada river from Murakada village up to head of No. 1 Tatiakulapalem Channel has 2 Crooked bends, and at these places breaches occur periodically. In addition to this one of the turns is at the head of No. 1 Tatiakulapalem Channel, and it will not be advisable to Construct the anicut at this place, until a good approach is to be made

There is no other suitable site for the Anicut within a reasonable distance of the Channel head. More over the Cost of the proposed diversion will not be much ~~more~~ more than the repairs of the old Course and the Cost of maintenance will be very much reduced. The Wet land occupied by the proposed Course of the river 6 is 9 acres and this may be taken without any compensation in exchange for the old course of the river which is 9.6 acres. 5

All the work will be carried out in accordance with the standard specification

Unsigned by EE
W.D.H

~~Superintending~~ Ex Engr.
First Circle

5

Executive Engineer
Vizagapatam Dn.

1/9

CHIEF ENGINEER
FOR IRRIGATION.
11 FEB 1898

3 GN

No 1060. V.Z

18

FROM

W. C. DeMorgan Esqr. M.I.C.E.

~~SUPERINTENDING~~ Executive ENGINEER, in Ch

FIRST CIRCLE.

Enclosures. 4

- 1 Estimate
- 1 Report
- 1 Sheet of sections
- 1 Do - of survey
- 4

TO

THE CHIEF ENGINEER

FOR IRRIGATION.

~~WALTAIR,~~ Camp Denkada 5.2.1898.

Desp. 8.2.1898

SIR,

Adverting to your memo No: I/12 V.Z of 1.7.97, I have the honour to submit herewith an Estimate with sections and Survey amounting to Rs 9600 for training the course of Sarada river below Markada Village and to request that you will be good enough to obtain sanction of Government to the same under 33 Famine Relief.

2. The work which was commenced as a relief work as reported in this office No: 2321 V.Z of 22.5.97 was however completed, the booked outlay thereon being Rs 7362 to end of November 1897 and bills amounting to Rs 2000 are still awaiting payment.

3. A report also accompanies Estimate

I have the honour to be
Sir
Your most obedt Servt

W D Morgan 5/2

Exec ~~Supdg~~ Engineer I Circle

S. E. I.
1 500—29-2-96.

FROM

SUPERINTENDING ENGINEER,
FIRST CIRCLE.

TO

THE CHIEF ENGINEER

FOR IRRIGATION.

DATED
DESPATCHED
RECEIVED
189 .

No.

CHIEF ENGINEER
FOR IRRIGATION.
11 FEB. 1898
No 3 V.Z.

ENCLOSURES.

SUBJECT.

[illegible]

~~Public~~ Works (1897) Department.

CURRENT No. 23 E.W.

Order

From The Chief Engineer
P. W. D.

No. 320 E.C.

Dated 15 – 7 – 97

Received 17 – 7 – 97

Enclosures 3 with complete file of I. R. S. papers

Spare copies

SUBJECT.

Surada river straight cut —— drawing attention of the E. E. Vizagapatam Dn. to E. I.'s memo: reg — & returning with remarks the plans & estes: for the Totakulapalam channel.

DE 9
E 9

MH 21/7

Record

17/7/97

17-7-97

BACK PAPERS.

No.	Date.
I 12 VZ	1-7-97

FURTHER PAPERS.

No.	Date.
13 VZ	3-2-98

Government of Madras.

Public Works **DEPARTMENT.**

MEMORANDUM.

Dated Madras, 15th July 1897.

Letter from the Executive Engineer Vizagapatam Division, No. 1218 dated 21st June 1897.

The attention of the Executive Engineer, Vizagapatam Division, is drawn to Memorandum No. $\frac{I}{12 V.Z.}$ dated 1st July 1897 issued by the Chief Engineer for Irrigation. The plans and estimate for the Tatakulapalem Channel are returned to the Executive Engineer with the remark that unless the circumstances of the case were very urgent he should have corresponded through the Superintending Engineer.

(By order)

C. W. B. Burlton.
Deputy Chief Engineer

xd KSy

Copy to the Chief Engineer for Irrigation with file returned.

The Executive Engineer,
Vizagapatam Dn., thro' the Suptg: Engr., I Circle,
with 66 enclos.

[P. W. 41. / 1,000—22-4-97.]

CHIEF ENGINEER
FOR IRRIGATION.
17 JUL. 1897
No. 23 E.W.

Public Works (1897) Department.

IRRIGATION BRANCH.

ISSUE No. $\frac{I}{12VZ}$

To

The Supg Engineer
Fourth Circle

(Reply to letter No. , dated).

Dated 1-7-97

Despatched 1-7-97 [illegible]

Enclosures*

* Particulars of Enclosures.

SUBJECT.

Surada River Straight Cut

Approves of SE's proposal to treat the — as a Famine Relief work and requests to submit an Estimate for formal sanction of Govt.

E. I. Form No. 13—2,000—23-2-97.

BACK PAPERS.

No.	Date.
R 43 G.N	22-5-97

FURTHER PAPERS.

No.	Date.
R 23 GW	15-7-97
R 3 VZ	5-2-98
R 21 VZ	31-8-01

Sent to Government with No. I.,

dated 1897.

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

dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .

" 2 "

" 3 "

" 4 "

" 5 "

KEEP-WITHS

No. 1/12 VZ

Memo

With reference to para 7 of S.E.'s Notes of Inspection forwarded with No 232. V.Z. dated 22d May 1897, the undersigned approves of the proposal therein made to treat the Surada River Straight cut, as a Famine relief work, and requests that an Estimate of cost may be submitted for formal sanction of Government under "33. Famine Relief".

1/7/97

MH 1/7

H.:
Please comment S.E. I.

1/7/97

Fair memo desp. to S.E. I direct
1/7

To
The Supg. Engineer
First Circle

30/6

Public Works (1897) Department.

CURRENT No. 4342

SUPERINTENDING ENGINEER FIRST CIRCLE
No. 4155
14 JUN. 97

~~Order~~

No. $\frac{I}{11 \text{ V.Z.}}$

Forwarded to the Supg Engineer – First Circle, for perusal of remarks and return.

W. Hughes
Chief Engineer for Irrign.

Ootacamund
4th June 1897

CHIEF ENGINEER FOR IRRIGATION.
No: 3396 V.Z.
23 JUN 1897
No. 18 V.Z.

Remarks noted and returned with necessary replies. Please see herewith no orders passed.

J C Larminie
Superintending Engr
Dowlaishwaram
18 June 97.
1st Circle
19/6
desp 21.6.97

From J. C. Larminie Esq
Suptg. Engineer, 1st Circle
To The Chief Engineer, for Irrigation

No. 232 V.Z.

Dated 22.5.97

Received 27.5.97

Enclosures –

Spare copies

SUBJECT.

Sarada River Straight cut and Tatakulapalem Channel — Submits copy of S.E.'s inspection notes on the —

JH 3/6/97

D.E.I
E.I
MH 4.6.97

LCS 27/5/97

6/97

BACK PAPERS.

R ~~G.O.~~ J	No.	Department.	Date.
R	4362 ay		

FURTHER PAPERS.

G.O.	No.	Department.	Date.
R	18	Vz 7	11-6-97
R	3	Vz 7	8-2-98

Inspection Notes of J C Larminie Esquire, M.I.C.E. Superintending Engineer 1st Circle for May 1897

Sarada River Straight cut below Murukada Village Est Rs 10,000.

This is a new cut being dug about 2900 feet in length with a view to do away with a rather tortuous length of the Stream.

2. The x work was started by the Exe Engineer without sanction on the urgent representations of the Collector to provide useful employment (to avert necessity for famine work) for this part of the Country (where it maybe remarked the villages are large and flourishing situated around and in the middle of a fine alluvial plain, watered by the Sarada River.

x It seems it formed part of ~~an~~ TRS estimate for Rs 27000 for the improvement of Chatalurupalem Channel

3. As an Engineering improvement, the work is simply folly - above and below the cut the river varies in bedwidth

bedwidth between 30 and 40 feet. There is nothing to be gained by accelerating the velocity along this short length. On those rare occasions when a flood reaches so far down the river, it simply spills harmlessly over the wide plain through which the stream flows.

4. The head of the Tatakula-palem Channel is just at end of the straight cut. Here water was turned down the Channel by a low rough stone dam 30 feet in length. It is now proposed to build a regular masonry weir of ~~120~~ 127 ft crest.

5. This will be quite unnecessary; the rough stone dam can be reformed a little lower down where the river again narrows in to 40 feet.

6. The fall of the river below Dinili Anicut must be slight as below this it meanders along through the before mentioned alluvial plain and so admits of easy regulation.

7. There are only 600 Coolies at work, mostly men of the able bodied buntadar type. The work must be classed as "Famine" for it cannot in reason be charged to the Agricultural× grant. The sections show a bed width of 100 feet for the new cut but for some reason unknown, the Overseer ordered 127 feet× which has been taken out for about half the length.

8. A little way above this a deep Picottah well has been dug in the River bed and the excavated spoil thrown below the well so as to almost block the waterway. A sudden fresh down the river might in consequence breach the banks there. The removal of the spoil should be

× or Irrigation

× it appears it was ordered by the SDO. with a view to accentuate the increment!

Dinili Anicut.
13.5.97.

These are very common all along this river & in places are very objectionable be insisted on, if necessary, by inducing the Tahsildar to take action.

Kuttubolu Anicut.

9. This is placed just below a sharp pinch in the river. The anicut is 120 feet in length, while the width of the river a little way up is only 40 feet and this reduced section is still further blocked by a picottah and a Dhobie man's well which should be removed.

10. In all years of ordinary rainfall, so much water is drawn off by the numerous river channels above Dimili that the reduced river section is quite sufficient to carry the remainder.

11. Only on the rare occasions when high freshes occur (as far as I can make out there has not been one now since 1876) will the anicuts and the main River channels prove insufficient to carry off the water. When

When spill will take place, this fact must be recognised and no further attempt made to confine the river between banks. It is a question if far too much has not already been done in this direction.

Maripalem Anicut.
15.5.97

12. This is the last anicut on the Sarada River. It is 80 feet in length, river bed a little lower down being 27 feet. A rough stone dam would have served all requirements. Flood of 1876 is recorded on the wing as 11 feet over crest. This would be over the wings which have above been paved with stone. For about 1/4 of a mile up, the river has been banked in. The best thing that could be done would be to level them to the ground and protect the wings of the anicut by some flank revetment.

Tatakulapalem Channel.

13. This takes off about a

a mile above the Mairpalem anicut. The pearwing returns of the head sluice have cracked and have been pushed out. They should be rebuilt of heavier section and greater height so as to support the slope properly. The Channel for the first mile or so is a clean cut 10 feet bed width (a little clearing is required at the head) below this the Channel becomes more like what is called a "field bodi" in the Deltas. It winds about in various directions through the flat alluvial plain up to near the salt creek which forms the outfall of the Sarada and Varaha Rivers. This creek is now tidal. ~~I understand that~~ Estimates amounting to Rs 21236 for the improvement of this Channel were prepared by the T R S

vide note outside The estt. referred to was returned for revision & has not been sanctioned apparently

8/6

Please turn over

The Channel is one of those, that with a little aid from the Cultivators takes care of itself. Possibly a few pipe sluices might be built to the branch heads. The irrigation must be very precarious under the Channel (it failed last year) When sufficient water comes so far down the river it finds its way into the Channel without difficulty and irrigation goes on. It would be of very little use embanking the Channel. The whole of the surrounding plain is not much above sea level and in times of flood must be submerged. So banks would only be swept away. There is a breach in the Right bank about a mile below the head which should be closed.

(Sd) J C Larminie
Supdg Engr.

P.T.O.

No: 232 V.Z. dated 22nd May 1897

Copy submitted to the
Chief Engineer for Irrigation

CHIEF ENGINEER
FOR IRRIGATION
27 MAY 1897
No. N4362

FO[illegible]
17 JUL. 1897
No. 23 EW/2

J C L[illegible]
Supdg Engineer 1st Circle

28/5/97

An estimate of the work in hand should be submitted. The Supd Engr. does not seem to have seen this office No 1540 d/ 27.10.93 to which his attention is requested –

It is presumed the Supd Engr. has made full enquiry regarding the action of the Subdn. Officer in excavating the channel referred to in para 7 and expressed his disapproval of the S.D.O. has exceeded his powers.

W Hughes
S.I

4.6.97

Will soon be forwarded

It merely returned for revision estimates of which ought never be carried out.

16/6/97

J C L
12/6
S.E. 1st Circle