Public Works (1896) Department.

G.O., No. 5224

Dated 22-6-96

[Despatch Abstract.]

Weir: The estimate of Rs 1,940 and 830, respectively, for constructing a surplus — at the right bank of Waddada channel and at the head of Buradageddy, Gangam Dy, sanctioned.

P. W. 28.
1,000-23-10-89.

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.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated June, 22nd.

Recd. *Encl.*

G.O. No. 522 I., 22nd June 1896.

JUNE.

Weir

The estimates of Rs. 1,940 and Rs. 830 respectively for constructing a surplus — on the right bank of Wadadá channel and at the head of Buradagedda, Ganjám district, sanctioned.

No. 522 I., 22ND JUNE 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

From W. C. DEMORGAN, Esq., Executive Engineer in charge, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 28th May 1896, No. 246 G.N.

I have the honour to submit herewith, for sanction, plans and estimates for the following works connected with the river channels in the Chicacole taluk in the Ganjám division :—

	Rs.
(1) Constructing a surplus weir on the right bank of Wadada channel near the Dusi channel aqueduct in Korlakotta village, estimate	1,940
(2) Constructing a surplus weir at the head of Buradagedda in Korlakotta limits, estimate	830

2. The necessity for the works is explained in the reports accompanying the estimates.

3. The estimates were approved by my predecessor and countersigned by the Collector, but they were detained pending receipt of certain revenue information in connection with the repair estimates for Wadada and Dusi channels which have since been returned to the Executive Engineer for execution.

4. The estimate for "Constructing the left flood embankment to the Langulia river" returned with your memorandum, No. 28 G.N., dated 10th July 1895, will be resubmitted with the necessary estimates and plans for masonry works as soon as they are received from the Executive Engineer—*vide* his letter No. 1517, dated 20th August 1895, copy of which was forwarded to you with this office endorsement No. 532 G.N., dated 28th August 1895.

ENCLOSURES.

REPORT to accompany the estimate for constructing a surplus weir at the head of Buradagedda, Chicacole taluk.

	Rs.
Amount of estimate	830

The Buradagedda, which is the surplus of the Dusi channel No. 158, is also a source of irrigation and has its head at the ruined calingula, 24 feet long, built on the left bank of the Dusi channel about 300 feet above the aqueduct. The waterway of the calingula not being sufficient to pass off the floods received down the channel, the bank of the channel at the down stream side adjacent to the calingula is annually breached and closed again. In consequence of this frequent breaching, deep scours are formed, and the calingula itself is undermined and rendered unfit for working any more. In consequence of this breach the lands under the Dusi channel suffer from scarcity of water. As diversion of the Dusi channel has been proposed, a weir, 84 feet long, as shown on C.S. No. 5 of the sections of the Dusi channel is urgently required to surplus the floods received down the channel, the aqueduct being inadequate to pass down even the full supply of water required for irrigation. Hence the accompanying plan and estimate for a weir is submitted for sanction.

The whole work will be carried out as per standard specifications.

(Signed) J. INGLIS,
Ex. Engr., Ganjám Divn.

REPORT to accompany the estimate for constructing a surplus weir on the right bank of Wadada channel No. 157 near the Dusi channel aqueduct in Korlakotta village, Chicacole taluk.

	RS.
Amount of estimate	1,940

The necessity for this long-desired work has already been detailed in the reports for the diversion of the Wadada channel and the repairs of the aqueduct. The drainage area between the Wadada and the Dusi channel, which is 2 square miles in extent, surpluses into the Wadada channel above the aqueduct carrying the Dusi channel over Wadada channel. The aqueduct not being adequate to carry off the floods thus received from the basin, *i.e.*, 714·32 and amount discharged from head sluice 153 cubic feet per second, the right bank has hence breached every year and frequently during the rainy season causing damage to the cultivation and has endangered the aqueduct very considerably.

It is therefore now proposed to build a surplus weir with its crest at F.S.L. of the channel, *i.e.*, 53·00 to take off this extra water and obviate the difficulty.

The front returns of this new weir will be as noted in the plan, in a line with the terminal points of the wings of the aqueduct on its down stream side, and as the bed of the Dusi channel is, as proposed in the aqueduct plan, 52·20, the drop of the proposed weir will be 0·80 and the floor in the rear of the weir and that of the aqueduct below the drop will be on the same level.

As the crest of the surplus weir or the F.S.L. of the Wadada channel is 53·00 and M.F.L. of the channel is 57·00, while the F.S.L. of the Dusi channel is 54·70, screw-gearing shutters are provided with grooves, &c., for the weir to prevent the Dusi channel water flowing back into the Wadada channel when the former flows full.

The whole work will be carried out as per standard specification.

(Signed) J. INGLIS,
Ex. Engr., Ganjám Divn.

ORDER—No. 522 I., dated 22nd June 1896.

The following estimates are sanctioned :—

Irrigation.
43. Minor Works and Navigation.
Minor Works for which Capital and Revenue Accounts are kept.
Ganjám Minor Rivers and System.
Capital Account.
2. Main Canals and Branches.
4. Falls and Weirs.

	RS.
(1) Constructing a surplus weir on the right bank of Wadada channel	1,940
(2) Constructing a surplus weir at the head of Buradagedda ...	830
	2,773
Total I. Works	637
II. Establishment	3
III. Tools and plant	
Total ...	3,410

2. This sanction is registered as No. 72 I of 1896–97.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

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

Exd. S. J. Pereira.

Spare Copies

A. No. 522 I, d 22nd June 1896.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From Supt. Engr. 1st Circl. No. 246 G.N. dt 28. May 96.

The following estimates are sanctioned :—

Irrigation

43. Minor Works Navigation.

Minor Works for which Capital Accts are kept.

Ganjam Minor Rivers System.

Capital Account.

2. Main Canals & Branches

4. Falls & Weirs.

1. Constructing a surplus weir on the right bank of Wadada channel - Rs 1940

2. Constructing a surplus weir at the head of Buradagedda . . 830

Total I. Works. 2778

II. Establishment 637/3

III. Tools & Plant

Total 3410

This Anchor is registered as No 72 of 1896-97.

Rueds 11/6/96

11/6/96

Estimate for constructing surplus weirs for Tirs. channels of Ganjam Minor Rivers System

Issue

Rueds 5/6

I

7.2.9. 20/6

Regd 22/6/96

To The Chief Engr I
Supdg Engr 1st Circle with 8 encls.
Sr T. 52.

6 JUL 96

Report to accompany the estimate for constructing a surplus weir at the head of Buradagedda Chicacole Taluq.

Amount of Estimate Rs 830

The Buradagedda which is the surplus of the Dusi Channel No 158 is also a source of irrigation and has its head at the ruined Calingula 24 ft long built on the left bank of the Dusi channel about 300 feet above the Aqueduct. The waterway of the Calingulah not being sufficient to pass off the floods received down the channel, the bank of the channel at the downstream side adjacent to the calingulah is annually breached and closed again. In consequence of this frequent breaching, deep scours are formed, and the calingulah itself is undermined and rendered unfit for working any more. In consequence of this breach the lands under the Dusi Channel suffer from scarcity of water. As diversion of the Dusi Channel has been proposed, a weir 84 feet long as shown on C.S. No 5 of the sections of the Dusi Channel is urgently required to surplus the floods received down the channel, the aqueduct being inadequate to pass down even the full supply of water required for irrigation. Hence the

Accompanying

the accompanying plan and Estimate for a weir is submitted for sanction.

The whole work will be carried out as per standard specifications.

/Sd/ Ch Traish
Supervisor

CHIEF ENGINEER FOR IRRIGATION.
2ND JUN. 95
No. 4984/3

John Inglis
Executive Engineer
Ganjam Division

15-5-95

SUPERINTENDING ENGINEER
No. 11145
18 MAY. 95
FIRST CIRCLE.

C Ahmed
Supg. Engineer i/c
Dated 5 June 1895.

Ch/
13/5

R 4-3
5 JUNE 95

4 & P

Report to accompany the estimate for Constructing a surplus weir on the right bank of Wadada Channel at 157 near the Dusi Channel Aqueduct in Korlakota village Chicacole Taluq.

Amount of Estimate Rs 1940 vide 1860

The necessity for this long desired work has already been detailed in the reports for the diversion of the Wadada channel and the repairs of the Aqueduct

The drainage area between the Wadada and the Dusi Channels which is 2 sqr miles in extent surplusses into the Wadada Channel above the aqueduct carrying the Dusi Channel over Wadada Channel. The Aqueduct not being adequate enough to carry off the floods thus received from the basin ie 714.32 ∴ amount discharged from head sluice 153 cft per second, the right bank has hence breached and every year and frequently during the rainy season and causing damage to the cultivation and has endangered the Aqueduct very considerably.

It is therefore now proposed to build a surplus weir with its crest at F.S.L. of the channel ie 53.00 to take off this extra water and obviate the difficulty.

The front returns of this new weir will be

as noted in the plan, in a line with the terminal points of the ~~parabolic~~ wings of the Aqueduct on its downstream side and as the bed of the Dusi Channel is as proposed in the Aqueduct plan 52.20 the drop of the proposed weir will be 0.80 and the floor in the rear of the weir and that of the aqueduct below the drop will be on ~~a level~~ the same level.

As the Crest of the Surplus weir or the ~~F~~. S. L. of the Wadada Channel is 53.00 and ~~d~~ F. L. of the Channel is 57.00, while the F.S.L. of the Dusi Channel is 54.70, Screw gearing shutters are provided with ~~a~~ groves to the weir to prevent the Dusi Channel water flowing back into the Wada-da Channel when the former flows full.

The whole work will be carried out as per standard specification.

b/f C. W. Travis
Sub Dl. officer

John Inglis
Executive Engineer
Gangam Division.

SUPERINTENDING ENGINEER No. 14/115 18 MAY. 95 FIRST CIRCLE.

CHIEF ENGINEER FOR IRRIGATION. 8/6 - JUN. 96

8/6 13/6 4.9.N

Supdg. Engineer 1st Circle
Dated 5th June 1895.

No. 246 Gn.

FROM

W.C. Dr Morgan Esqr.
~~SUPERINTENDING~~ ENGINEER 1st Circle
Expee

FIRST CIRCLE.

Enclosures. 8.
2 Plans.
2 Estimates
2 Reports.
2 Data Sheets.

TO

THE CHIEF ENGINEER
FOR IRRIGATION.

~~DOWLAISHWERAM,~~ Waltair 28. May 1896.
Dpd 30.5.96

SIR,

I have the honour to submit herewith for sanction plans and Estimates for the following works connected with the river Channels in the Chi-Cacole Taluq in the Gangam Division

(i) Constructing a Surplus weir on the right bank of Wadada Channel near the Dusi Channel aqueduct in Korlakota Village
Estimate Rs 1940-- --

(iii) Constructing a Surplus weir at the head of Buruda-gedda in Korlakota limits
Estimate Rs 830-- --

2.

2. The necessity for the works is explained in the report accompanying the estimates.

3. The Estimates were approved by my predecessor and Countersigned by the Secretary but they were detained pending receipt of certain revenue information in Connection with the repair estimates for Wadada and Dusi Channels which have since been returned to the Exec Engineer for execution.

4. The Estimate for "Constructing the left flood embankment to the Langulia river" returned with your memorandum No: 28 G.M. dated 10 July 95 will be resubmitted with the necessary estimates and plans for Masonry works as soon as they are received from the Exec Engineer Vide his

Vide R 69 G.M/95

his letter No: 157 dated 25th August 1895 Copy of which was forwarded to you with this office endorsement No: 532 G.M. dated 28 August 1895.

I have the honor to be,

Sir,

Your most obedt Servt

W Dunnigan

30/5

Exec Engineer in Ch Western

Du 29/5.

CHIEF ENGINEER
FOR IRRIGATION.
2- JUN. 96
No. 497 N

P. W. CURRENT No. 5584
P. E. I 500—13-2-95

1

FROM

SUPERINTENDING ENGINEER

FIRST CIRCLE.

Enclosure (2 plans)
Recd. 19.6.96

TO

THE CHIEF ENGINEER

FOR IRRIGATION

DATED 28
DESPATCHED 30 } May 1896
RECEIVED

NO. 246 Gn

ENCLOSURES 8

SUBJECT.

Two works connected with irrigation-cuts in the Chicacole Taluq in the Ganjam District — Submits plans & estimates for — for sanction.