Public Works (1896) Department.

G.O., No. 414 I

Dated 13—5—96.

[Despatch Abstract.]

Land. Sanction of the Govt of India, Military Dept, to the transfer to the Civil authorities of a piece of Military — near the Madras Infantry Lines at Berhampur required for a branch of the Ichapur channel, Contt to Supdg Engineer, 1st Circle, with the remark that the Dy: Adjutant General, Madras Command, has been informed that the land need not be transferred as it is not proposed to construct the channel at present.

[P.W. 25. 2,000—25-10-95]

BACK PAPERS.

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

FURTHER PAPERS.

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

W. CURRENT No. 3933

Copy of the foregoing forwarded to the Secretary to the Government of Madras, Public Works Department, for the information of His Excellency the Governor in Council.

21-2 Ch-1008.
27-11-95-3701 C.
28.4.96-380 C.

By Order,

Dues: 27.4.96

Captain R.E.

Asstt. Secy. to the Govt. of India.

13/Ch No. 414 C. dy 13th May 1896.

Communicated to the Supdg Engineer I Circle, for information.

2. The Dy Adjutant General of the Army Madras Command has been informed that the land need not be transferred as it is not proposed to construct the channel at present, but it was too late to stop action on the 1st application.

Rueds

2/5

1/5

DESP. 14 MAY 96

2/5

To Mr Chief Engr for disp Rueds
Supdg Engr I Circle

Cantonments
Lands

M. D. 18.

No. 1093 Mily

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on the subject.

Simla, the 20th April 1896.

To

THE LIEUTENANT-GENERAL

COMMANDING THE FORCES,

Madras ~~COMMAND~~.

SIR,

In reply to your letter No. 589 M., dated the 26th March 1896, I am directed to state, for His Excellency's information, that, under the circumstances therein represented, the Government of India sanction the transfer to the civil authorities of a piece of military land near the Madras Infantry Lines at Berhampur shown on the plan forwarded with your letter under reply, which is required for the alignment of a branch of the Schapur Channel.

I have &c.,

(Sd.) J. Dallas, Captain R.E.

Secretary to the Govt. of India.

Enclosures including one plan returned

Copy.

No. 431 I., 14TH MAY 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 Central Delta, 23rd March 1896, No. 2943 G.D.

I have the honour to submit, herewith, the following estimates, received from the officers in charge of Gódávari Western and Central Divisions, and to request that you will be good enough to obtain sanction of Government to the same.

2. The necessity for the works has been explained in the reports which accompany the estimates.

3. The estimates have been countersigned by the Collector.

	RS.
Gódávari Western Division.	
Diversion of right bank of Aganda Gódávari at 20 miles 4 furlongs above anicut	1,900
Diversion of right bank of Aganda Gódávari at 19 miles 6 furlongs above anicut	1,460
Gódávari Central Division.	
Diversion of Vriddha Gowtami drain at Mettalanka	4,600

ENCLOSURES.

REPORT to accompany the estimate for diverting the right bank of Aganda Gódávari at 20 miles 4 furlongs above anicut.

	RS.
Estimate	1,900

The river margin at 20/3½ has been gradually cutting close to the river bank. It is hardly 6 feet wide between the foot of the river bank and steep margin; it is now in a dangerous position, although there is no set actively working against this portion of the bank yet — one slip of the margin during floods will carry away a portion of the river bank. It is therefore proposed to divert the bank from the 4th furlong in 21st mile and join it to the angle of old diversion bank at a distance of 900 feet. The centre of the proposed bank of the dangerous portion will be at 75 feet from the centre of the existing bank.

No land is available on east side for digging pits unless the existing bank is removed; all the earth required for the new bank to be obtained from one side, viz, on west side. The average sectional area of the new bank being 500 square feet, the land required for pits on west side is 110 feet, of which 70 feet wide will be permanently required to dig pits of 6 feet deep, and the rest 40 feet temporarily to dig pits 2 feet deep. Land statement is accordingly prepared.

(Signed) G. VENKATA RAU PANTULU,
Assistant Engineer.

17th February 1896.

REPORT to accompany the estimate for diverting the right bank of Aganda Gódávari at 19 miles 6 furlongs above anicut.

	RS.
Estimate	1,460

The upper margin of the river has been cutting away gradually close to the foot of the bank having only 10 feet margin. There is no natural set against the bank at this place; but the plantation annually made on the opposite sand shoal in the river bed by Gutala zemindar's diverting the force of the stream towards the river bank, thus causing a set against the bank and gradually cutting away the upper and lower margin. There is broad lower margin of oil clay of 100 feet wide, about 30 feet below the upper margin, and the deep bed of the river at 130 feet from the water edge is 34 feet deep below the lower margin. The space between the foot of the bank and the edge of the upper margin at C.S. No. 3 being only 10 feet, it is feared that one slip during floods may carry away a part or the whole of the river-embankment at this point. It is therefore proposed to divert the river bank at this place from near 19 miles 5 furlongs to beyond 19 miles 6 furlongs, a length of 662 feet, and the space from centre of the existing embankment to centre of the proposed bank at C.S. No. 3 will be 93 feet.

(Signed) G. VENKATA RAU PANTULU,
Assistant Engineer.

22nd February 1896.

Report to accompany estimate for diversion of Vriddha Gowtami drain at Mettalanka.

	Rs.
Estimate	4,600

The accompanying sketch of Vriddha Gowtami drain shows that a short distance above its mouth, it makes a big loop about 2 miles long; so that the proposed diversion, although only 1,300 feet long, will shorten the length of the drain by no less than 1¾ miles.

2. The available surface fall in the drain being exceedingly small (only ·20 foot per mile), any improvement that will increase this fall at a reasonable cost is highly desirable.

3. The level of the floor of Vriddha Gowtami under-tunnel is — 3·50, and the diversion will begin and end at about 66 and 47 chains, respectively, above the under-tunnel.

The area to be drained is 30 square miles, which, with Ryves' formula and the usual deltaic co-efficient of 80, gives a required discharge of 772 cubic feet per second. The proposed bed with of 40 feet, with side slopes to 1 to 1 and maximum depth 10½ feet, will give this discharge.

(Signed) W. J. J. HOWLEY,
Assistant Engineer.

Order—No. 431 I., dated 14th May 1896.

The following estimates are sanctioned:—

Irrigation.
43. Minor works and Navigation.
Agricultural Works.
Original Works.

Gódávari Western Division.

	Rs.
1. Diversion of right bank of Aganda Gódávari at 20 miles 4 furlongs above anicut	1,900
2. Diversion of right bank Aganda Gódávari at 19 miles 6 furlongs above anicut	1,460
Gódávari Central Divisi n.	
3. Diversion of Vriddha Gowtami drain at Mettalanka	4,600

2. This sanction is registered as No. 35 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 twelve enclosures.
,, Examiner, Public Works Accounts.
,, Revenue Department.

Exd. T. K. Narayana Aiyangar.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated May, 14th.

Read. *Encl.*

G.O. No. 431 I., 14th May 1896.

MAY.

Godavari River Bank

Estimates aggregating Rs. 3,360 and Rs. 4,600, respectively, for diverting the above anicut and the Vriddha Gowtami drain at Mettalanka, sanctioned.