

9152
Public Works (1896) Department.

G.O., No. 849

DATED 21st Oct 1896

[Despatch Abstract.]

Erivai Kuntam ancient system. Reminder from the Govt of India requesting that the explanation asked for as to why the demand of Rs. 30000 for the — was not put forward earlier, may be expedited, recorded.

T.C. 21/10

Abstract comparing the revised amounts with the estimates printed, &c.—cont.

	Sanctioned estimate (vide G.O., No. 577 I., 1st October 1888).	REVISED ESTIMATE.		
		Outlay to end of 1892-93.	Further outlay.	Total.
<i>Western Section—cont.</i>	RS.	RS.	RS.	RS.
4. Drainage and protective works—cont.				
Bhattiprolu drain—				
2. Land	..	..	5,000	5,000
3. Works	15,601	22,684	..	22,684
4. Earthwork	28,166	2,158	48,166	50,324
5. Miscellaneous ..	2,439	26	2,584	2,609
Total ..	46,206	24,867	55,750	80,617
Peddapalli drain—				
2. Land	123	96	..	96
3. Works	2,210	1,930	5,000	5,000
4. Earthwork	..	..	5,000	6,930
Total ..	2,333	2,026	10,000	12,026
Nizampatam drain—				
2. Land	3,350	..	..	..
3. Works	6,740	..	6,740	6,740
4. Earthwork	6,801	..	6,801	6,801
Total ..	16,891	..	13,541	13,541
Tungabhadra drain—				
1. Preliminary expenses	..	252	328	580
2. Land	17,172	4,959	13,691	18,650
3. Works	99,794	2,497	1,89,157	1,91,654
4. Earthwork	4,92,153	1,87,966	4,90,577	6,78,543
5. Miscellaneous	6,152	1,141	5,140	6,281
Total ..	6,15,271	1,96,815	6,98,893	8,95,708
Romperu drain—				
2. Land	2,593	976	1,500	2,476
3. Works	21,790	..	15,000	15,000
4. Earthwork	1,59,717	99,190	1,49,763	2,48,953
Total ..	1,84,100	1,00,166	1,66,263	2,66,429
Vetapalem-Kunderu drain below Vetapalem—				
4. Earthwork	..	2,699	..	2,699
Koppalla drain—				
2. Land	..	..	1,540	1,540
3. Works	..	320	1,330	1,650
4. Earthwork	..	..	1,910	1,910
Total, Koppalla drain ..	..	320	4,780	5,100
1. Preliminary expenses	..	..	90	90
2. Main canals and branches—				
11. Buildings	..	..	25,000	25,000
Total, Western section	31,13,200	19,49,640	18,30,640	37,80,280
Unforeseen works ..	2,57,998	..	3,75,257	3,75,257
Total for works ..	1,07,30,994	76,92,184	30,38,810	1,07,30,994
Establishment	25,07,268	18,33,752	6,73,516	25,07,268
Tools and plant	6,68,043	5,23,564	1,44,479	6,68,043
Loss by exchange	20,000	9,929	10,071	20,000
Total ..	1,39,26,305	1,00,59,429	38,66,876	1,39,26,305
Less receipts on capital account ..	6,521	15,196	—8,675	6,521
Net Total ..	1,39,19,784	1,00,44,233	38,75,551	1,39,19,784
<i>Indirect Charges.</i>				
Capitalized abatement of Land Revenue	5,52,200	4,16,204	1,35,996	5,52,200
Leave and pension allowances	4,28,960	3,34,667	94,293	4,28,960
Total indirect charges ..	9,81,160	7,50,871	2,30,289	9,81,160
Grand Total ..	1,49,00,944	1,07,95,104	41,05,840	1,49,00,944

28th Sept. 1893.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Secretary to Govt., P.W.D.

ORDER—dated 11th October 1893, No. 857 I., Public Works.

The statement showing the works of the Kistna delta system on which expenditure has still to be incurred is approved and will be printed with the two abstracts appended to the note by the Chief Engineer for Irrigation.

2. The Superintending Engineer, II Circle, will expedite the submission of the estimate called for by the Chief Engineer for Irrigation for rendering the Ryves canal efficient for the contemplated extension of irrigation under that canal.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India with a request that the extension of sanction accorded to the Kistna delta completion estimates in the Government of India letter, No. 10 I., dated 22nd January 1889, which expired on the 31st March 1893, be extended for a further period of 5 years from 1st April 1893.

[Here enter No. 858 I., dated 11th October 1893.]

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation, with two statements
" Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. C. A. Muniswamy.
Spare Copies

N 8914793

IRRIGATION.
ACCOUNT.

Govt. of {1893} Madras.
PUBLIC WORKS.

Dated October, 11th.

Recd.

Encl.

G.O., 11th Oct. 1893, No. 857 I.

OCTOBER.

Kistna Delta System

The statement showing the works of the — on which expenditure has still to be incurred, approved, and a copy of these Proceedings ordered to be forwarded to the Government of India for an extension of the sanction to the completion estimates for a period of five years from 1st April 1893.

IRRIGATION.
ACCOUNT.

Government {1896} of Madras.
PUBLIC WORKS.

Recd.

Enclosures

Regd.

1896.

Spare copies

G.O., No. 813 I., 9th October 1896.

OCTOBER.

Channel

Estimate of Rs. 6,600 for improving the head sluice —, Bank Canal, Kistna Western division, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle,
to the Chief Engineer for Irrigation, dated Bezwada, 25th August 1896.

I have the honour to forward herewith, for your approval and sanction of Government, plan and estimate amounting to Rs. 6,600 for improving the head sluice channel of the Bank canal, Kistna Western division, and to request that you will be so good as to sanction the estimate from the balance of the provision as per item No. 710 of the statement printed with G.O., No. 857 I., dated 11th October 1893.

2. The report which accompanies the estimate explains the necessity for the work.

ENCLOSURE.

REPORT to accompany estimate for improving the head sluice channel of the Bank Canal.

Amount of estimate	RS.
	6,600

2. The estimate is prepared under instructions of the Superintending Engineer.
3. The head sluice channel of the Bank Canal is in very bad order.

The scour hole in rear of it has gone down to 16 feet below true bed level at the deepest point, the sides continue to scour out and the revetments slip and cannot be properly maintained.

Owing to the strong current from the head sluice, navigation into and out of the lock is difficult and the left bank below the lock is also being eroded.

4. The estimate provides for the following work :—

- (1) To demolish the small piece of revetment on right bank of head sluice channel and rebuild it in a new alignment with a masonry footing wall and a 9-feet apron and continue it to the end of the 30-feet apron in rear of the retaining wall.
- (2) To demolish the existing revetment in left bank of lock channel below sounding line No. 11 and rebuild it in a correct alignment and continue it to 100 feet below the 30-feet apron in rear of retaining wall.
- A masonry footing wall is not required to

A masonry footing wall is not required to this revetment, but it will be taken down to 2 feet below correct bed level.

- (3) To construct a cross retaining wall with a 30-foot apron as shown on survey. The retaining wall to be of the sections shown in sketch, and its top and the apron below it will be laid at 1 foot below true bed level. The object of this is that it may be found necessary hereafter to run the canal 7 feet instead of 6 feet deep.

- (4) To demolish the existing revetment between sounding lines Nos. 5 and 6 at nose of lock island and build masonry wall running out to a point 2½ feet wide at sounding line No. 9.

The foundation of this wall will average about 10 feet below correct bed level, and the average section will be somewhat as shown in sketch.

This wall is necessary to protect the boats entering and leaving the lock channel from the action of the strong current which flows down the head sluice channel.

- (5) A bank across the whole width of the channel on sounding line No. 9, a partial cross bank on sounding line No. 6 and a connecting bank as shown on the survey.

The two banks on sounding lines will have the section shown in sketch.

The stone wall on the top of the quarry rubbish bank will be built in mortar across the lock channel to prevent damage from poling bamboos.

The connecting bank will be found entirely of quarry rubbish.

The object of the connecting bank is (1) to protect foundations of the masonry nose wall against scour, and (2) to restrict the space and facilitate baling when the foundations of the wall are being put in.

The other cross banks are intended to check the scouring action in the bed.

(6) A special provision of 10 per cent. under contingencies to meet unforeseen expenditure which is likely to occur in laying the foundations of the nose wall at the required level, it may be necessary to put in some piling for this work and to allow for earthwork which cannot be foreseen and estimated.

(Signed) L. D. VENKATARAMA AIYAR,

Asst. Engr. in charge, Kistna Western Divn.

28th July 1896.

No 813. I of 9th October 1896.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 6 P

READ the following

Handwritten: From Supp Eng. & Civil. No 1373 K.W. 925-8-96

The following estimate is sanctioned from the balance of the provision made for item 710 of the statement printed in P.W. 857. I. of 11th Oct/93:—
Capital Expenditure not charged to Rev.

- 49. Irrigation
- Kistna Delta System
- Western Section
- I. Works.
- Bank Canal
- 2. Main Canals & Branches
- 11. Earthwork.

Improving the head sluice channel.

Estimate Rs. 6,600

This sanction is registered as No. 111 I. of 1896-97.

Handwritten: To the Chief Engineer & Civil. Supp Eng. & Civil. & Rev.

Handwritten: Recd. 12/9/96. L.C. 25/9 1896

Handwritten: Recd. 19/9/96

No. 813 I., 9TH OCTOBER 1896.

ORDER—No. 813 I., dated 9th October 1896.

The following estimate is sanctioned from the balance of the provision made for item 710 of the statement printed in Proceedings of Madras Government, No. 857 I., dated 11th October 1893:—

- Capital Expenditure not charged to Revenue.
- 49 Irrigation.
- Kistna Delta System.
- Western Section.
- I. Works.
- Bank Canal.
- 2. Main Canals and Branches.
- 11. Earthwork.
- Improving the head sluice channel.

Estimate RS. 6,600

2. This sanction is registered as No. 111 I. of 1896-97.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

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

Public Works (1896) Department.

Receipt
CURRENT No. ⁸⁵⁸³27948

Order

From

The Supdg. Engineer
II Circle.

No. 1373 P.W.

Dated 25th August 1896.

Received 28 — do — 24.9.96

Enclosures 4 5 (1 plan)

Spare copies

SUBJECT.

Head sluice Channel
of the Krishna Western
Dist. — Forwards for sanc-
- tion an estimate of Rs 6600
for improvements to the

025440 27/10

2. The report which accompanies the estimate explains the necessity for

for the work.

I have the honour to be,
Sir,



Your most Obedt Servant From,

W. B. Baddley Major R.E.

Supg. Engineer, II Circle To,

The Superintending Engineer,
II Circle.

The

Dated

Received

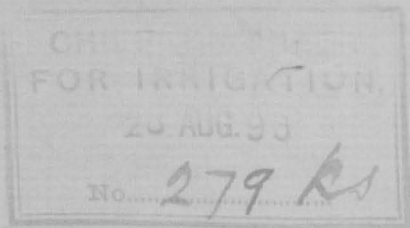
18

Enclosures.

NO.

SUBJECT.

From



The Supg Engineer
Second Circle

To The Chief Engineer
For Irrigation

Dated 25 August 1896

Encls 4

No. 1373 NW

Head Sluice channel
of the Bank Canal & NW.

— Forwards for
sanction, an estimate
of Rs 6600 for
improvements to —

Report to accompany Estimate for
Improving the Head sluice channel
of the Bank Canal.

1. Amount of Estimate Rs 6600.
2. The Estimate is prepared under instructions of the Superintending Engineer.
3. The Head Sluice channel of the Bank Canal is in very bad order.

The scour hole in rear of it has gone down to 16 ft below true bed level at the deepest point, the sides continue to scour out & the revetments slope & cannot be properly maintained.

Owing to the strong current from the Head Sluice, navigation into & out of the lock is difficult & the Left Bank below the lock is also being eroded.

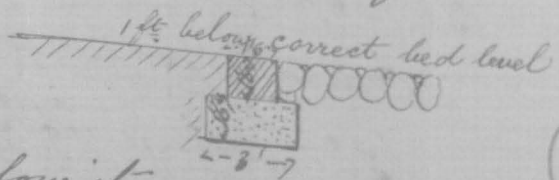
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correct alignment & continue it to 100 ft below the 30 ft apron in rear of retaining wall.

A masonry footing wall is not required to this extent but it will be taken down to 2 ft below correct bed level.

(3) To construct a cross retaining wall with a 30 ft apron as shown on survey.

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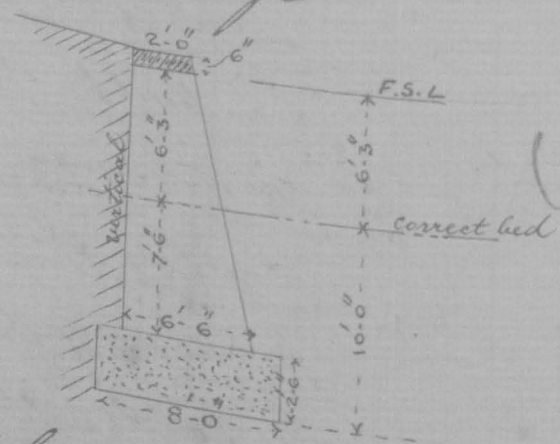


(1)

The object of this is that it may be found necessary hereafter to run the canal 7 ft instead of 6 ft deep.

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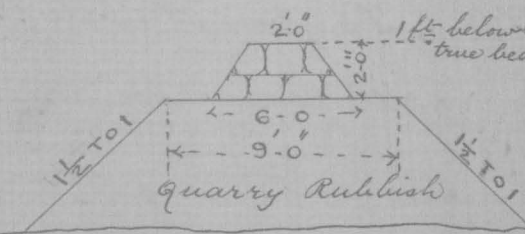


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This wall is necessary to protect the boats entering & leaving the lock channel from the action of the strong current.

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(6) A special provision of 10 per cent under Contingencies to meet unforeseen expenditure which is likely to occur in laying the foundations of the nose wall at the required level, it may be necessary to put in some piling for this work & to allow for earth work