Public Works (1896) Department.

G.O., No. 464 / 464 A

Dated 29-5-96

[Despatch Abstract.]

Rameswaram Channel: Estimates aggregating Rs 6,100 for excavating Nos 1 and 2 proposed branches of —, Attili Canal, Godavari Western delta sanctioned, and a copy of the proceedings ordered to be forwarded to the Govt of India.

=

Forwarded.

÷

[P.W. 20 1000-03-10-96.]

BACK PAPERS.

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

FURTHER PAPERS.

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

No. 464 I., 29TH MAY 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From W. C. DEMORGAN, Esq., Executive Engineer in charge, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 16th April 1896, No. 132 G.D.

With reference to your memo. No. 88 G.D., dated 19th September 1894, I have the honour to submit herewith, for sanction, fresh plans and estimates under "Capital Account" for excavating Nos. 1 and 2 proposed branches of Rameswaram channel, Attili canal, in the Gódávari Western division, amounting to Rs. 2,120 and Rs. 3,300, respectively.

2. The necessity for the excavation of these branch channels is explained in the report accompanying the estimates.

3. The works are classed as "remunerative" and they will be completed before the end of March 1898.

ENCLOSURES.

REPORT to accompany the estimates for the branch channels Nos. 1 and 2 of Rameswaram channel, Attili canal.

Of the lands that are now proposed to be brought into cultivations under these branches, about 550 acres in extent were being cultivated by means of water taken over the Gostanadi drain by troughs from spouts in the Gostanadi and Velpur canal right bank. These troughs wasted a good deal of water and were also obstructing the free flow of the drainage.

They were consequently removed in 1890 and the ryots were told that they would be given branch channels from the Rameswaram channel of the Attili canal. The head sluice for this latter channel is capable of irrigating 2,350 acres as shown below:—

F.S.L. in canal	= 28·59
F.S.L. in channel	= 26·75
Vent of head sluice	= 6·75 square feet.
Discharge	= CA $\sqrt{2gh}$
	= $\frac{5}{8} \times 6{\cdot}75 \times \sqrt{64} \times \sqrt{1{\cdot}84}$
	= $\frac{5}{8} \times 6{\cdot}75 \times 8 \times 1{\cdot}35$
	= 46 cubic feet nearly.

which will irrigate 2,350 acres at 50 acres per cubic foot per second. The present irrigation under the channel is less than 1,600 acres, and the channel can therefore very well irrigate these 550 acres.

The lands under the branches being high, a dam is required to be built below the head of No. II branch for raising water level one foot more than O.F.S.L. This dam will be at the site of the mamul cross bund at 5 miles 4 furlongs 330 feet.

The probable amount of compensation for land has been settled by Revenue Department and the same is entered in the estimate.

ESTIMATE FORM—*Abstract—Classified.*

Sub-head.	Names of works.	Amount of estimate for individual works.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	RS.
	49. *Irrigation.*				
	Gódávari Delta System.				
	Western Section.				
	Open Capital Account.				
	Attili Canal.				
	Rameswaram Channel.				
	(3) Distributaries.				
	No. 2 Proposed Branch Channel.				
	Remunerative Work.				
	I. Works.				
2. Land ..	1. Compensation for land	1,730	1,730		
3. Works ..	2. Constructing bridge	150			
	3. Masonry shoot at end of channel	80	230		
4. Earthwork ..	4. Excavating No. 2 branch	980	980		
5. Miscellaneous ..	5. Demarcation stones	150			
	6. Pipe sluices	210	360		
				3,300	

ESTIMATE FORM—*Abstract—Classified.*

Sub-head.	Names of works.	Amount of estimate for individual works.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	RS.
	49. *Irrigation.*				
	Gódávari Delta System.				
	Western Section.				
	Open Capital Account.				
	Attili Canal.				
	Rameswaram Channel.				
	(3) Distributaries.				
	No. 1 Proposed Branch Channel.				
	Remunerative Work.				
	I. Works.				
2. Land ..	1. Compensation for land	740	740		
3. Works ..	2. Constructing masonry shoot at end of channel ..	80	80		
4. Earthwork ..	3. Excavating No. 1 branch	940	940		
5. Miscellaneous ..	4. Demarcation stones	180			
	5. Pipe sluices	180	360		
				2,120	

(Signed) L. L. WICKHAM,
Ex. Engineer, Gódávari Western Divn.

ORDER—No. 464 I., dated 29th May 1896.

Gódávari Delta System.
Open Capital Account.

		RS.	RS.
Land	... ...	2,470	
Works	... ...	2,950	
	Total, I. Works ...		5,420
	II. Establishment ...		679
	III. Tools and plant ...		1
	Total ...		6,100

The estimates aggregating Rs. 6,100 as shown in the margin for excavating Nos. 1 and 2 proposed branches of Rameswaram channel, Attili canal, Gódávari Western delta, are sanctioned.

2. This sanction is registered as No. 43 I. of 1896–97 and will expire on the 31st March 1898.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. $\frac{464}{A}$ I., dated 29th May 1896.]

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, I Circle, with 17 enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

ENDORSEMENT—No. $\frac{464}{A}$ I., dated 29th May 1896.

Forwarded.

(By order.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated May, 29th.

Read. *Encl.*

G.O., Nos. 464, $\frac{464}{A}$ I., 29th May 1896.

MAY.

Rameswaram Channel

Forwarding a copy of the Proceedings sanctioning estimates aggregating Rs. 6,100 for excavating Nos. 1 and 2 proposed branches of —, Attili canal, Gódávari Western delta.

A

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

No 464 I dated 29 May 1896

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Chief Engr. 1st Circle No 1329 dy 16 April 96

Godavari Delta System
Open Capital Account.

	Rs
Land . .	2470
Works . .	2950
Total I Works . .	5420
II Establishment.	679
III Tools & Plant.	1
Total	6100

A.SH 20.6.96

The estimates aggregating Rs 6100 as shown in the margin for excavating Nos. 1 & 2 proposed branches of Rameswaram channel, Attili Canal, Godavari Western Delta, are sanctioned.

2. This sanction is registered as No 439 of 1896-97 & will expire on the 31st March 198.

3. Ordered that a copy of these Proc: be forwarded to the Govt of India for information.

No 406 Dated 29 May 1896

Endorsement.

Forwarded:

Revd 13/5/96

11/5

To
The Chief Engr for I.
Supdg Engr 1st with 17 enclos.
4th I Cir
Revd Dept

VCW 7/5

7.5.96

29/5

VCW 25/5

1/6

26/5

Estimates for opening No 1 & 2 branches of Rameswaram Channel Attili Canal, Godavari Eastern Delta.

Indemnity

Report to accompany the Estimates for the branch channels Nos 1 & 2 of Rameswaram channel Attili Canal.

280

Of the lands that are now proposed to be brought into cultivations under these branches, about 550 acres in extent were being cultivated by means of water taken over the Godavari drain by troughs from spouts in the Godavari & Vellur canal Right bank. These troughs wasted a good deal of water and were also obstructing the free flow of the drainage.

They were consequently removed in 1890 and the ryots were told that they would be given branch channels from the Rameswaram channel of the Attili Canal. The head sluices for this latter chal: is capable of irrigating 2,350 acres as shown below.

F. S. L in canal 28.59

F. S. L in channel 26.75

Vent of head sluice = 6.75 Sqft.

Discharge = $c A \sqrt{2gh}$

$= 5/8 \times 6.75 \times \sqrt{64} \times \sqrt{1.84}$ ✓

$= \frac{5}{8} \times 6.75 \times 8 \times 1.356$ ✓

$= \frac{46}{4}$ Cft nearly ✓

which will irrigate 2,350 acres at 50 acres per cft per second. The present irrigation under the channel is less than 1600 acres and the channel can therefore very well irrigate these 550 acres.

The lands under the branches being high a dam is required to be built below the head of No. II branch for raising water level 1ft more than O.F.S. This dam will be at the side of the Mannel Cross bund at 5 M 4 F. 330 ft.

The probable amount of Compensation for land has been settled by Revenue Dept. & the Same is entered in the Estimate.

L. L. Hickham
Exe Engineer G. W. Dn

31-3-96

W Morgan
16/4

Exe Engineer in Ch. in field.
Dated 16th April 1896.

CHIEF ENGINEER FOR IRRIGATION 27 MAR 96 No. 2490

3/1496

Chief Engr
Irrig
16/4/96

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Works.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each Main head.	Remarks.
1	2	3	4	5	6	7
	Capital Expenditure not charged to Revenue					
	49 Irrigation.					
	Godavari Delta System.					
	Western Section.					
	Open Capital account					
	Attili Canal.					
	Rameswaram Channel					
	(3) Distributaries					
	No. 2 proposed branch					
	Remunerative Works.					
	I. Works					
2. Land	1. Compensation for land	1,730	1,730			
3. Works	2. Constructing bridge	150				
	3. Masonry shoot at end of ch. No.	80				
4. Earth Work	4. Excavating No. 2 branch	980 440	230 440			
5. Miscellaneous	5. Demarcation Stones	150				
"	6. Pipe Sluice	210	360			
				3300		

W Morgan
16/4

Exe Engineer in Ch. in field.
Dated 16th April 1896.

STATION _____
Dated _____
2,000—15-5-95.

Chief Engr
Irrig
16/4/96

L. L. Hickham
Executive Engineer.
31-3-96

Index No 15

(E. No. 126.)

Guntur Circle.

Division— Western

District Godavari

ESTIMATE FORM—Abstract—Classified.

To accompany the Detailed Estimate No.

of 189 -9 for* Excavating No 2 proposed branch of Rameswaram channel, Attili Canal.

Estimate Rs 2300.

Remunerative Works

---

* Here enter the Name and Description of work in full.

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Works.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each Main head.	Remarks.
1	2	3	4	5	6	7
	Capital Expenditure not charged to Revenue					
	49 Irrigation					
	Godavari Delta system					
	Western section					
	Open Capital account-					
	Attili Canal.					
	Rameswaram Channel					
	(3) distributaries					
	No 1 proposed branch					
	Remunerative Work.					
	I Works.					
2 Land	1 Compensation for land	740				
3 Works	2 Coursing Masonry sheet at ends of cls.	80	740			
4 Earth Work	3 Excavating No 1 branch	940	80			
		1,400	940			Rd
5 Miscellaneous	4 Demarcation Stones	180	1,400			Rd
				2,400		Rd
"	5 Pipe sluices	180	4			
			360			
				2,120		

Ex Engineer's Circle-
Dated 16 April 1896

Station

Dated

2,000—15-5-95.

Chd Fd

L. L. Nicholson
Executive Engineer.
31-3-96

Indexed 15

(E. No. 126.)

7th Q.D.

Division— Western

District Godavari

ESTIMATE FORM—Abstract—Classified.

To accompany the Detailed Estimate No. of 189 -9 for* Excavating No. 1 proposed branch of Rameswaram channel Attili Canal Estimate Rs. 2120-

Remunerative Work

* Here enter the Name and Description of work in full.

2/16 GD

Q.S.I. 45875

No. 132 G.D. Camp Dulcishwaram Dated 16/4/96.

From W. C. DE Morgan Esq. Exe Engr in Ch 1st Cnstr

To The Chief Engineer for Irrigation Madras.

Encls. 18.

Sir,

With reference to your memorandum No: 88 WD dy 19.9.94, I have the honour to submit herewith for sanction fresh plans and Estimates under "Capital account" for excavating Nos: 1 & 2 proposed branches of Rameswaram Channel Attili Canal in the Godavari Western Division amounting to Rs 2120 and Rs 3300 respectively.

2. The necessity for the excavation of these branch Channels is explained in the report accompanying the Estimates.

3. The works are classed as "Remunerative" and they will be completed before the end of March 1898.

I have the honor to be, Sir Your most obedt Svt

WDMorgan

17/4 Exe Engr ch 1st Cnstr

Exd. M.

F. W. GÜRNETT No. 4888

From W. C. De Morgan Esq
Ex Engr: Inch. Circle

To The Chief Engineer
For Irrigation,
Madras.

Dated 16 April 1896
Disp. 21st

No. 132 G.
Encls. 18.
Subject

Rameswaram Channel, Attili
Canal — Submits fresh plans
and Estimates for excavating Nos 1 & 2
improved branches of the — for
sanction

Encl. to 20 (5 Plans)
Recd 29.5.96

4663, dy 1-June-96.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Endorsement from the Revenue Department (H.E.No:R.651 dated 25th March 1896)

A.S.H 15.5.96

The Superintending Engineer on special duty, Cauvery Delta Completion Estimates, will in communication with the Superintending Engr: Fifth Circle, and the Executive Engineer concerned, intimate to the Collector, the Irrigation questions affecting the French Settlement of Karikal which require settlement by personal conference with Mr: Cussy, the Chief Supervisor of Public Works under the French Government.

J.L. 22/4

Amedk 23/4

DESPATCHED
1- JUN. 96

To,

The Chief Engineer for Irrgn:
" Supg: Engr: on special duty,
Cauvery Delta Completion Estimates
"Supg: Engr: Fifth Circle
"Collector of Tanjore
"Revenue Department

d BR

Translation of a Communication from the Administrateur Principal à Karikal to the Collector of Tanjore No. 31 dated 8th February 1876. —

I have the honor to inform you that I have received just now a letter from the Director of the Interior, which informs me that the Government of Pondicherry proposed during the month of December last to His Excellency the Governor of Madras in forwarding to him Copies of our letters on the subject of the Vanjeas, a meeting of Engineers of the two Governments for the definite settlement of the several irrigation questions now pending

Letter from Collector of Tanjore regarding settlement by personal conference with the Chief Supervisor of Public Works under the French Govt.

No 4662 dy 1st Dec 1876

Issue.

Reed 18/5/76

E. I. Form No. 1—500—14-6-95

0-L S-26

the Karikal Collector having
yet received a reply on the
subject, he is about to write
a post to His Excellency
the Governor of Madras to
remind him of the matter.
Mons. the Director of the In-
terior has instructed me
to inform you that he awaits
the reply which will be given
by the Government of Fort
Saint George.

(Signed) V. Muttusamy Pillai
for Collector

(True Copy)

O/23
1895/96

Mazimbaumy
Lemetayz

1896
REVENUE DEPARTMENT
Received
2090

Encl. 1/5

Translation of a Communication
from the Administrateur Prin-
cipal a Karikal to the Collector
of Tanjore No. 48 dated 21st
February 1896.

In Continuation of my letter
of the 8th February Current No.
31, I have the honor to inform
you that His Excellency the
Governor of Madras having
accepted the Conference
of Engineers of the two Govern-
ments to settle the irrigation
questions of Karikal, Mons.
Cussey, principal Conducteur
des ponts and chaussées has
been nominated to represent
our Government.
I shall be obliged if you will
fix

for the date of that Conference and if you will let me know the place of meeting of the Engineers

(Signed) [illegible]

for Collector

(True Copy)

[illegible]
Secretary

REVENUE BOARD OFFICE
MADRAS.

Proceedings of the Board of Revenue

(Revenue Settlement, Land Records and Agriculture.)

Dated 17th March 1896.

No. 1348 Misc

READ the following letter from the Collector of Tanjore, dated 27th February 1896, Ref: on. cur. No. 95/G&B of 96:-

Adverting to the Board's Proceedings, dated 19th February 1896, No. 877 Misc, Communicating Government Order on the question of investigating the project for the correct redistribution of flood waters and of water for irrigation in the Cauvery Delta in Consultation with the Engineer of the French Territory

Corresp: with the Collr. of Tanjore G.O. Rd 563 8.2.96

Das-2
2855/96

1896
REVENUE DEPARTMENT
Enclosure No. 2
Received 14 March 1896

Territory of Karikal, I have the honor to enclose translations of two letters addressed to me by the Administrateur of Karikal and to request instructions as to what questions are to be submitted to the Conference for settlement.

Resolution

Submitted for the orders of Government, with reference to G.O. No. 563 Dis: dated 8th February 1896.

(True Copy and Extract)

Rejd 25/2/96

Benjamin
Secretary

To The Secretary to Government
Revenue Department with two Enclosures

Copy to Collector of Tanjore.

Not Communicated

Compare 9 & 10 Annual Report
1895

Revenue (1896.) Dept

Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

MADRAS.

(Sett. 20—2,000-27-11-95.)

To

The Secretary to Government,

Revenue Department

End: No. R. 651 d/21st March

Transferred to the Public Works Department.

A. Arundel
Ag Secretary to Govt
21.3

Fort St. George
21st March 1896

No. of Enclosures.

Rec. 18/3 — Encl. 2

Proceedings, dated 17th March 1896.

No. 1348 Irri

Subject.

Submitting, for the orders of Government with reference to G.O. 562 Irri 8-2-96, letter from the Collector of Tanjore requesting to be informed what questions are to be submitted for settlement by the Conference of the British and French Engineers.

Ex. 19/3 — Tanjore.

* No. 46639 1-6-96

Link.

EQ
20/3.

No. 42 Irri 6-1-96
785 Irri 23-9-95
606 Irri 1-8-95
691 Irri 5-8-93
337 Irri 14-4-93
3792 W & A 22-12-94

Ltr. 26

Pub

Original of form 785 I, 23/9/95

No. 785 I., 23RD SEPTEMBER 1895.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

G.O. No. 3292 W., Public Works, dated 22nd December 1894.
Note by the Chief Engineer for Irrigation, dated 2nd August 1895, No. 161 I.
Note by the Secretary to Government, Revenue Department, dated 12th August 1895.

ORDER—No. 785 I., dated 23rd September 1895.

Recorded.

2. The following letter will be sent in the Political Department:—

* * * * *

(True Extract.)

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

To the Superintending Engineer, V Circle,
" Chief Engineer for Irrigation,
" Revenue Department,
" Political Department, with draft letter to His Excellency the Governor of the French Settlements in India.
} with copy of letter to His Excellency the Governor of the French Settlements in India.

Exd. T. K. Narayana Aiyangar.

Spare Copies

IRRIGATION.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated September, 23rd.

Read. *Encl.*

G.O. No. 785 I., 23rd Sept. 1895.

SEPTEMBER.

Irrigation in the Cauvery Delta

Correspondence regarding a project for the proper distribution of flood water and of water for —, recorded; and a letter to the Governor of the French Settlements in India inviting the co-operation of His Excellency's Government in the investigation of the project ordered to be sent in the Political Department.