

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works

DEPARTMENT

G.O. No.	2403	Press
B.P. No.		Mis.
5-56		
Dated	1-10-	195/873

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st October 1873.*

Read the following papers :—

No. 5. From Major J. O. HASTED, R.E., District Engineer, Kistna, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Camp at Guntoor, 30th August 1873, No. 61.

I HAVE the honour to forward a supplemental estimate of the cost of establishment required during the present year for preparing the Eastern Delta Project and revising the Western Delta Project.

2. The sum already sanctioned in G. O., No. 1,870, dated 23rd July 1873, would have probably sufficed to complete the Eastern Delta Project; but to revise the Western Delta Project, and to alter the other plans and estimates in accordance with suggestions now made, will require the employment of a considerable establishment for some time.

3. The out-door work is now done so far as can be seen at present, and it will be noticed that the establishment now asked for provides principally for men on low pay who will be required simply to copy plans, estimates, statements, etc. Estimators have, of course, to be paid at rather high rates.

4. The Range Office Establishment which has been lately reduced are fully employed, and will be able to give no assistance in carrying out the work.

No. 620.

No. 5A. *Note by the Chief Engineer for Irrigation.*

I HAVE as yet been able to examine only a portion of the completion estimates for the Western Delta of the Kistna, viz. :—

The Main and Nizampatam Canal
The Bank Canal.
The Repalli Main Drainage and Subsidiary Works.

These require extensive revision, and probably the rest of the estimates will have to be similarly treated.

2. The Eastern Delta estimates, the District Engineer finds, will need to be revised, in accordance with the instructions given regarding those of the Western Delta.

3. The additional establishment asked for by the District Engineer is recommended for sanction. The sanction now in force was given in G. O., No. 1,870, 23rd July 1873.

FORT ST. GEORGE, 11th September 1873. (Signed) J. MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 6. ORDER THEREON, 1st October 1873, No. 2,408.

ESTABLISHMENT, No. 3.

THE following establishment, chargeable to Loan Funds, is sanctioned, in addition to that detailed in Proceedings of Government, No. 1,870, 23rd July 1873, for the completion of the estimates for the Eastern and Western Sections of the Kistna Delta.

Proceedings of the Madras Government, Public Works Department,
1st October 1873.

Statement showing the details of Survey Establishment proposed to be employed on Eastern and Western Delta Projects during 1873-74, Kistna District.

Details of Establishment.	Period for which required.	Total Amount.	Particulars of Survey on which engaged.	Grants on which it is expected that the project will be undertaken from Loan Funds.	Remarks.
Eastern Delta Range.					
1 Estimator for 4 months, at Rs. 40 ...	...	160			
1 Do. for do. at " 25 ...	...	100			
1 Do. for do. at " 20 ...	...	80			
1 Draughtsman for 4 months, at Rs. 30 ...	...	120			
5 Do. for do. at " 20 each ...	...	400			
1 Writer for do. at " 15 ...	...	60			
1 Do. for do. at " 14 ...	...	56			
1 Do. for do. at " 12 ...	...	48			
2 Do. for do. at " 10 each ...	...	80			
Office furniture rent for do. at Rs. 6 ...	...	...			
Total ...	...	1,128			
Contingencies for 4 months, at Rs. 14 ...	...	56			
Total Eastern Delta Range ...	...	1,184			
Western Delta Range.					
Details as above for 2 months ...	Two months.	592			
Total Western Delta Range ...	...	592			
Grand Total ...	...	1,776			

(True Extract.)

To the District Engineer, Kistna.
" Chief Engineer for Irrigation.
" Officiating Controller of Public Works Accounts.
Exd. E. C. Shunker.
Spare Copies.

Colonel, R.E.,
Secretary to Government.

The Chief Engineer's memorandum on Western Delta plans having necessitated many alterations on the Eastern Delta Project, it will take longer to complete than was anticipated. The Western Delta plans will nearly all have to be redrawn.



1861.

Madras (District
Engineer's Office)
Camp Guin
30 August 1873
Proposed Sept.

Memorandum

Major J. C. Wasted R.E.
District Engineer Madras

To
Lieut Colonel C. J. Mullins R.E.
Chief Engineer for Irrigation

Enclosure 1

I have the honor to forward a supplemental estimate of the cost of establishment required during the present year for preparing the Eastern Delta Project and revising the Western Delta Project.

The sum already sanctioned in G.O. no 1870 dated 23 July 1873 would have probably sufficed to complete the Eastern Delta Project, but to revise the Western Delta Project and to alter the other plans and estimates in accordance with suggestions now made will

will require the employment
of a considerable establishment
for some time.

The outdoor work is now
done, so far as can be seen at
present, and it will be noticed
that the establishment now
asked for provides principally
for men on low pay who will be
required simply to copy plans,
estimate, statements &c. &c. Esti-
mators have of course to be
paid at rather high rates.

The Survey Office Estab-
lishment which has been
lately reduced, are fully em-
ployed and will be able to
give no assistance in carrying
out the work.

I have the honor to be
Sir,

Your most obedient

Wth assted. Major G. C.
District Engineer
Mistha

No. 11
P. O. No. 11181
From The District Engineer
Rajahmundry

To The Chief Engineer
for Irrigation

Dated 30th August
Received 1873
Despatched 2nd September 1873
Recd. 2nd September 1873

Forwards a supplemental
estimate of the cost of
establishment required
during the present year
for preparing the Eastern Delta
and revising that of the
Western Delta for Sanction.

P. W. 5040/73.

No 5

No. 620.
Note by the Chief Engineer for Irrigation

I have as yet been able to
Examine only a portion of the com-
plete estimates for the Western
Delta of the Krishna viz:-

the main and Vizianapatnam Canal

" Bank Canal.

" Repalli main drainage and
Subsidiary works.

These require extensive revision, and
probably the rest of the estimates
will have to be similarly treated.

2 The Eastern Delta estimates
the District Engineer finds, will
need to be revised, in accordance
with the instructions given regarding
those of the Western Delta.

3 The additional establish-
ment asked for by the District
Engineer is recommended for
Sanction. The sanction now
in

in force was given in G. O. No 1870
23rd July 1873.

Fort St. George
11th September
1873

Wentworth Smith Esq. Col. R.E.

Chief Engineer for Irrigation

To
The Secretary to Government
Public Works Dept.

P. M. 1873 Depart
No 20/400 for Delta
No 5040.

From
The Chief Engineer for
Irrigation
To the Secretary of Government
D. P. M.

Dated 11
Sept 13
Received 13th September
1873.

Enclosures - 2.

Recommendations by
Sanction the ^{establishment of} temporary
Establishments to be provided
by the District Engineer
This true for preparing
the Eastern and revising
the Western Delta projects.

No 5A

Recd 6 Oct 13. 8/10/73

No 2403-1 Oct 1/73

Statement showing the detail of Survey Establishment proposed to be employed on Eastern & Western Delta Projects during 1873-74. Rio Grande.

Details of Establishment

Eastern Delta Ranger				Particulars of Survey on which engaged	Particulars of Survey on which engaged
1	Estimator for 4 months at \$10.00 each	160			
1	do for do at 25.00 do	100			
1	do for do at 20.00 do	80			
1	Draftsman for 4 months at 30.00 do	120			
5	do for do at 20.00 do	400			
1	Writer for do at 15.00 do	60			
1	do for do at 14.00 do	56			
1	do for do at 12.00 do	48			
2	do for do at 10.00 do	80			
Office provisions put for do at \$6.			24		
Contingencies for 4 months at \$14.			56		
Total Eastern Delta Ranger			1184		

Western Delta Ranger				Particulars of Survey on which engaged	Particulars of Survey on which engaged
Details as above for 2 months			592		
Total Western Delta Ranger			592		
Grand Total			1776		

District Engineer's Office
 Fort Huachuca
 30 August 1873
 Respd. 2nd Sept

The Chief Engineer's Memo on Western Delta Plans, having necessitated many alterations on the Eastern Delta Project, it will take longer to complete than was anticipated. The Western Delta plans will nearly all have to be redrawn.

John A. S. Major R.E.
 District Engineer, Huachuca

No. 2403 P. M. D.

No. of the Madras Govt.

Read the following:-

From the Secy to Govt. (N.E. No. 2071 Sep/73)
Mysore

The following ~~is~~:-
~~It is~~ established,
chargeable to Loan Funds,
is sanctioned, in addi-
tion to that detailed
in Pros. of Govt. No. 1870
23rd July 1873, for the
completion of the estimates
for the Eastern and
Western Sections of the
Kistna Delta.

Statement

For the purpose of settling the
estimate for the year 1873-74
the following is submitted for
the consideration of the
Govt.

of the Secy to Govt.
for the purpose of settling the
estimate for the year 1873-74

Copy to 30th of August
1873

C. S. 1/11/73
P. M. 5040/73.

Statement showing the
details of the estimate for
the year 1873-74
as sanctioned and
settled by the Secy to Govt.
1873/74

10-5-6

10-5-6

10-5-6 12-6-11/73 R.F.

No 540

Govt. of 1873 Madras.

PUBLIC WORKS.

To the District Engineer
Madrass

Dated

Recd.

Encl. 2

G. O. of 1873 No. 2403.

Nos. 576

Temporary Survey Estab.
Instrument. Certain
Re-establishment sanc-
tioned for employ-
ment during 1873/74
on the Eastern and
Western Sections of
the Krishna Delta.