

9454
Public Works (1896) Department.

G.O., No. 8839

DATED 27th October 1896

[Despatch Abstract.]

Pedapalli Drain Revised estimate of Rs.
13800 for improving the — in the Kistna
Western Delta, sanctioned with remarks.

Government { 1896 } of Madras.
PUBLIC WORKS.

Spare copies

OCTOBER.

Revised estimate of Rs. 13,800 for improving the — in the Kistna Western delta, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From the Executive Engineer, Kistna Western Division, to the Superintending Engineer, II Circle, dated 15th August 1896, No. 193 S.

I have the honour to forward, herewith, revised sections and estimates for improving the Pedapalli drain for your approval and transmission to the Chief Engineer for sanction.

2. The original estimate of Rs. 8,850 was sanctioned in G.O., No. 979 I., dated 10th December 1894.

3. The necessity for the revision is explained in the report accompanying.

4. I have the honour to request that you will be so good as to obtain the sanction to the revised estimate at an early date, as a provision of Rs. 8,500 has been made in this year's budget for this work.

ENCLOSURES.

REPORT to accompany the revised estimate for improving Pedapalli drain.

The necessity for the work has been explained in the report which accompanied the original estimate sanctioned in G.O., No. 979 I., dated 10th December 1894.

2. The original estimate was prepared for widening and deepening the drain along the line of the old drain which follows all the bends in the Nizampatam canal, and runs too close to its left bank. Also the line of the old drain does not cross the good-water channel aqueduct at right angles.

3. The bends in the drain had to be reduced to a minimum so as to make the drain work effectively.

4. The drain had to be re-aligned, so that it may cross the good-water channel aqueduct at right angles.

5. The line of the drain had to be kept at a sufficient distance from the canal bank in order to prevent danger of breaches on account of percolation which cannot be prevented when a deep drain is excavated too close to the canal. This percolation in a sandy soil will also have a tendency to silt up the bed of the drain, and this silting up will also be prevented by keeping the drain sufficiently away from the canal.

6. On these considerations the drain has been re-aligned and the revised estimate prepared. The centre line of the drain has been kept at not less than 70 feet from the canal bank, so as to make room for a 18-feet road way which may have to be formed in course of time, and for a 12-feet berm.

7. This re-alignment necessitates more earthwork as it goes on natural ground and not along the old drain. It also involves taking up more land, and necessary provision for land compensation has been made in the revised estimate.

8. The berm between the canal bank and the drain has to be formed in the bed of the old drain out of the spoil obtained by excavating the drain, and in order to protect the made up slopes and berm from being washed away by floods, ouroo or vedavalli grass will be planted at those places and necessary provision has been made in the estimate for earthwork now submitted.

9. It is absolutely necessary that this work should be carried out at an early date, as permission for breaching the left bank of Nizampatam canal has to be given almost every year. The terms of the Standing Order as it stands now are, "that permission for breaching the canal bank will be given until the Pedapalli drain is improved"; and as pointed out in the original report, it is not advisable to pass such a large discharge down the canal or through the tail surplus weir.

10. The original estimate, amounting to Rs. 8,850, was sanctioned from the provision of Rs. 5,000 under item No. 697, and Rs. 3,850 under item No. 696 of the project statement. The revised estimate amounts to Rs. 13,800 and the excess of Rs. 4,950 may be met with from the following items of the statement printed with G.O., No. 857 I., dated 11th October 1893:—

	RS.
Balance of provision under item No. 696	1,150
From the balance provision under item No. 710	3,800

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.				
	Kistna Delta System.				
	Western Section.				
	I. Works.				
	(4) Drainage and Protective Works.				
	Pedapalli Drain.				
2. Land	1. Compensation for land	800	800		
4. Earthwork	2. Improving the drain	12,820	12,820		
5. Miscellaneous	3. Demarcation stones	180	180		
				13,800	13,800

(Signed) L. D. VENKATARAMA AIYAR,
Asst. Engr. in charge Kistna Western Divn.

No. 1550 K.W.

Forwarded to the Chief Engineer for Irrigation for favour of obtaining the sanction of Government to the revised estimate, amounting to Rs. 13,800, for improving Pedapalli drain in the Kistna Western division.

2. The original estimate, amounting to Rs. 8,850, for the work was sanctioned in G.O., No. 979 I., dated 10th December 1894.

3. The difference of Rs. 4,950 over the original estimate may be met as noted below:—

	RS.
From the balance of the provision as per item No. 696	1,150
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	3,800

(Signed) W. L. C. BADDELEY, Major, R.E.,
Suptg. Engineer, II Circle.

9th September 1896.

No. 194 I.

Note by the Chief Engineer for Irrigation.

The first estimate for this drain was sanctioned in November 1883 and the work carried out in 1885. It was soon discovered that the drain was inefficient and a revised estimate for Rs. 8,850 was prepared and sanctioned in G.O., No. 979 I., dated 10th December 1894. This estimate provided for enlarging the drain while retaining

PROCEEDINGS OF THE MADRAS GOVERNMENT.

4

No. 883 I., 27TH OCTOBER 1896.

the previous alignment. The estimate now submitted retains the dimensions provided in the second estimate but with an improved alignment, the reasons for which are given in the Division officer's report.

2. The bulk of the excess, including Rs. 800 for compensation for land, is due to the re-alignment. There is a trifling increase of rates which may be passed. The estimate is recommended for sanction.

14th October 1896.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 883 I., dated 27th October 1896.

The revised estimate, amounting to Rs. 13,800, for improving the Pedapalli drain, in the Kistna Western delta, is sanctioned in supersession of the estimate of Rs. 8,850 sanctioned in G.O., No. 979 I., dated 10th December 1894, Rs. 1,150 of the excess of Rs. 4,950 being met from the provision made for item 696, and the balance, viz., Rs. 3,800, from that made for item 710 of the statement printed in Proceedings of Madras Government, No. 857 I., dated 11th October 1893.

2. This sanction is registered as No. 129 I. of 1896-97.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.

„ Superintending Engineer, II Circle, with eleven enclosures.
„ Examiner, Public Works Accounts.

Ezd. T. K. Narayana Aiyangar.

H.E.
No. 883 I of 27th October 1896.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From Supp Engr, II Circle, No. 1530 K.W. & 9.9.96
Note by the Chief Engr for Irrigation.

Improving Pedapalli Drain
Revised Estimate Rs. 13,800

No. 94 I of 14. 10. 96

The first estimate for this drain was sanctioned in No. 85/83 & the work carried out in 1885. It was soon discovered that the drain was inefficient & a revised estimate for Rs. 8,850 was prepared & sanctioned in G.O. No. 979 I, 9.10.94. This estimate provided for enlarging

the drain while retaining
the previous alignment.
The estimate now sub-
mitted retains the
dimensions provided
in the second estimate
but with an improved
alignment, the reasons
for which are given
in the Division Officer's
report.

2. The bulk of the
excess, including Rs
800 for compensation
for land, is due to
the re-alignment. There
is a trifling increase
of rates which may
be passed. The
estimate is recom-
mended for sanc-
tion.

Order thereon
The revised

7.9.11
23.10.96

estimate, amty. to
Rs 13,800, for improving
the Pedapalli Drain,
in the Krishna Western
Delta, is sanctioned
in supersession of the
estimate of Rs 8,850
sanctioned in G.O.

No. 979 J. of 10th Dec/94,
Rs 1150 of the excess
of Rs 4,950 being met
from the provision
made for item 696, &
the balance, viz Rs
3,800, from that made
for item 710 of the
statement printed
in P.W.D. No 857 J. of
11th Oct/93.

96
66
86

To the Chief Engineer
Superior with 11 enclrs.
Sd/- J. W. R.
129 J of 1896-97-
This sanction
is registered as n.
14/10/96
W.H.

Public Works (189) Department.

Ct 1
CURRENT *NB. 96*

Order

From

R2896
The *Suez* *Co.*
II Circle.

No. 1550 NW

Dated 9 September 1896

Received 12

Enclosures 10

Spare copies

SUBJECT.

Improving the Proa.
- pally & drain in New
Forwards for Sanction
revised estimates &c.

18/9
12.9.96

Entered
18/9

BACK PAPERS.

FURTHER PAPERS.

Recd. by G.O. Serial	No.	Department.	Date.
R	932	W.	10.12.94

G.O.	No.	Department.	Date.

Letter from the Executive Engg.
This is a western Division, to the Sub-
Engineer, II Circle, No. 193 S, 7/15-8-96.

I have the honour to forward
herewith Revised sections and estimate
for improving the Medapalli Drain
for your approval and transmission
to the Chief Engineer for sanction.

2. The original estimate of Rs 8850
was sanctioned in G.O. No. 979 S, 7/10-12-94.

3. The necessity for the revision
is explained in the report accompa-
-nying.

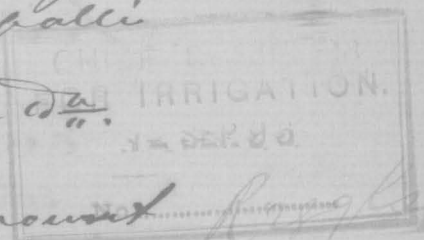
4. I have the honour to request
that you will be so good as to
obtain the sanction to the revised
estimate, at an early date, as a
provision of Rs 8,500/- has been made
in this year's Budget for this work.

Encls: 10 N^o 1550 KW
9.9.96

1 Report
1 Comparative Statement
1 Classified Abstract
2 Estimates
1 Sketch map
4 Drawings

Forwarded to the Chief Engg.
for sanction for favour of obtaining

the sanction of Government to the revised estimate, amounting to Rs 13,800/- for improving Pedapalli drain in the Krishna Western D^o.



2. The original estimate amounting to Rs 8,850/- for the work was sanctioned in G.O. No. 979 I, 27.10.12-'94.

3. The difference of Rs 4,950/- over the original estimate may be met as noted below:-

Rs 1150/- from the balance of the Provision as per item No. 696.

Rs 3800/- from the balance of the Provision as per item No. 710 of the statement printed with G.O. No. 8572, dated 11-10-'93.

W. S. Baddley

Major R.E.

Sab. Engin^r.
II Circle.

Report to accompany the Revised Estimate for Improving Pedapalli Drain.

The necessity for the work has been explained in the report which accompanied the original estimate sanctioned in G.O. No. 979 I, dated 10.12.94.

2. The original estimate was prepared for widening and deepening ^{along the line of the old drain} the Drain, which follows all the bends in the Vizampatam canal, and runs too close to its left bank. Also the line of the old Drain does not cross the good-water channel Aqueduct at right angles.

3. The bends in the Drain had to be reduced to a minimum so as to make the Drain work effectively.

4. The Drain had to be realigned so that it may cross the good water channel Aqueduct at right angles.

5. The line of the Drain had to be kept at a sufficient distance from the canal bank in order to prevent danger of breaches on account of percolation which cannot be prevented when a deep Drain is excavated too close to the canal. This percolation in a sandy soil will also have a tendency to silt up the bed of the Drain, and this silting up will also be prevented by keeping the Drain sufficiently away from the canal.

6. On these considerations the Drain has been

Rs 5.14
9454/26

realigned and the revised estimate prepared.

The centre line of the Drain has been kept at not less than 70 ft from the canal bank so as to make room for a 18 ft road way, which may have to be formed in course of time, and for a 12 ft berm.

7. This realignment necessitates more earth work as it goes on natural ground and not along the old Drain. It also involves taking up more land, and necessary provision for land compensation has been made in the Revised estimate.

8. The berm between the canal bank and the Drain has to be formed in the bed of the old Drain out of the spoil obtained by excavating the Drain and in order to protect the made up slopes and berm from being washed away by floods, ~~currow~~ or Vedavalli grass will be planted at those places and necessary provision has been made in the Estimate for earth work now submitted.

9. It is absolutely necessary that this work should be carried out at an early date, as permission for breaching the left bank of Vizampattam canal has to be given almost every year. The terms of the Standing order as it stands now are "that permission for breaching the canal bank will be given until the Pedapalli Drain is improved," and as pointed out in the original Report it is not advisable to pass such a large discharge down the canal or through

the tail surplus weir. 14 SP

10. The original estimate amounting to Rs 8850 was sanctioned from the provision of Rs 5000 under item No. 697 & Rs 3850 under item No. 696 of the Project Statement.

The Revised estimate amounts to Rs 13800 & the excess of Rs 4950 may be met with from the following items of the statement printed with G.O. No. $\frac{8578}{11.10.93}$.

Rs 1150 - Balance of provision under item No. 696.

Rs 3800 from the balance provision under item No. 710.

W. Venkatarammam
16/8.

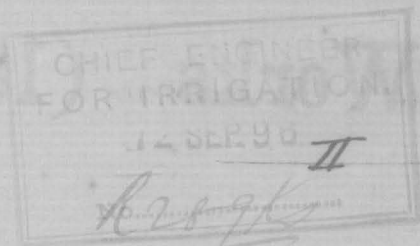
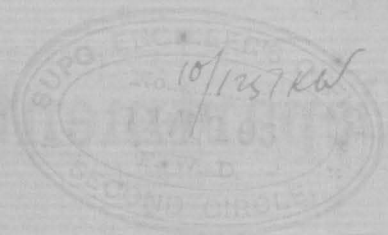
Assistant Engineer Incharge
Kistna Western Division.

005.1
94524/96

[illegible]

Dated _____
2,000-15-5-26.

C. H. Kerkham
16/8.
Assistant Executive Engineer.
Incharge Krishna Western &



No. 126.)

CIRCLE.

DIVISION— *Krishna Systems*

DISTRICT *Krishna*

ESTIMATE FORM—Abstract—Classified.

To accompany the Detailed Estimate No.
of 189 -9 for * *Improving Peddapalli*
drain at 20 mile of Nizampetam
canal.

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

Pa 5-3
94524/96

Public Works (1896) Department.

CURRENT No. *9454*

Order within

From

The Chief Engineer
for Krishna

No. *194-I*

Dated *14-10-96*

Received *24-10-96*

Enclosures *14 (5 plans)*

Spare copies

Issue

M.H. 26/10

B.R.
26/10/96

SUBJECT.

Revised Estimate for
improving Peddapalli
drain in Krishna delta

H.E. 22/10.R 26/10.

BACK PAPERS.

FURTHER PAPERS.