

9454
Public Works (1896) Department.

G.O., No. 8839

DATED 27th October 1896

[Despatch Abstract.]

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

[illegible][illegible]

Government { 1896 } of Madras.
PUBLIC WORKS.

Spare copies

G.O., No. 883 I., 27th October 1896.

OCTOBER.

Pedapalli Drain

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

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.

Exd. T. K. Narayana Aiyangar.

H.2.
No. 883 I of 27th October 1896.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Examination
Account

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. 979 I. of 10.12.94. 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. of 10.12.94. This estimate provided for enlarging

the drain while retaining 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.

Order thereon
The revised

29/6
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, or Rs 3,800, from that made for item 710 of the statement printed in P.W.D. No. 857 J. of 11th Oct/93.

10/11/96. This sanction is registered as No. 129 J of 1896-97 -
The Chief Engineer
Superior with 11 encls.
Sd/- J. W. R.
LCB
14/10/96
W.H.

Public Works (189) Department.

C61
CURRENT *NB. 96*

Order

From

Regts
The *Suez* *Eng.*
The *Circ.*

No. 1550 *KW*

Dated 9 September 1896

Received *12*

Enclosures *10*

Spare copies

SUBJECT.

Improving the *Proa.*
- *pulling* *Adm* in *Reeds*
Forwards for Sanction
revised estimates &c.

12.9.96

Entered
18/9
1896

BACK PAPERS.

FURTHER PAPERS.

Recd. No.	No.	Department.	Date.
R	932	W..	10.12.94

G.O.	No.	Department.	Date.

Letter from the Executive Eng.
 Krishna 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 Pedapaki Drain
 for your approval and transmission
 to the Chief Engineer for sanction.

2. The original estimate of Rs 8550
 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 Eng.
 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 Krishna Western D^o.

2. The original estimate amount-
ing 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 pro-
- vision as per item No. 696.

Rs 3800/- from the balance of the pro-
- vision 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. 388.

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 lands in the Nizampatnam 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 lands 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
by keeping the Drain sufficiently away from the
canal.

6. On these considerations the Drain has been

20.5.14
9454/85

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, ~~Cuscuta~~ 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 Vizampatam 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.

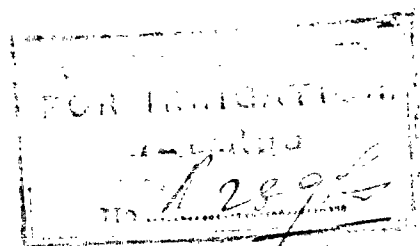
The Revised estimate amounts to Rs 13800 & the excess of Rs 4950 may be met with from the following items of the statement printed with G.O. No. $\frac{8578}{11.10.93}$.

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

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

P. Venkatarammam
16/8.

Assistant Engineer Incharge
Kistna Western Division.



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 Kistna Delta System. Western section. I works. (4) Drainage & Protection works. Pedapalli Drain.					5
2	Land Compensation for land	800	800			
4	Earth work & Improving the Drain	12820	12820			
5	Settlement & Demarcation stones	180	180			
			13800		13800	

Cancelled in G.O. No. 873 of 1906-07
 Registered in G.O. No. 1299 of 1906-07

W. B. Baddley

Major R. E.
Supl. Engr. 2nd Circle

W. K. S. S. S. S.
14/8.

Assistant Executive Engineer,
Incharge Kistna Western Div.

STATION *P. 4*
Dated *11-9-96*
2,000-15-5-96.

8/10 *19/10*

Kistna Western Division
Pedapalli Drain.
Report to accompany
Revenue estimate for inv.
- proving -

0251
94520/96

Public Works (1896) Department.

CURRENT No. 9454

Order within

From

The Chief Engineer
for the Government

No. 194 - I

Dated 14.10.96

Received 24.10.96

Enclosures 1 (5 plans)

Spare copies

SUBJECT.

Revised Estimate for
improving Peddapalli
Drain in Krishna Delta

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

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 25 mile of Vizampetam
canal.

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

OWS-3
9452/96

BACK PAPERS.

G.O.	No.	Department.	Date.
S.O.	8899	P.W.	8-11-83
"	8579	"	11-10-73
"	9799	"	10-12-74

FURTHER PAPERS.

[illegible]