

(1) Number of pages_____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	607	Press	<i>Original</i>
~~B.P.~~ No.		~~Mis.~~	
Dated	8. 3.	195	
		1876	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
8th March 1876.*

Read the following :—

No. 239.

No. 88. *Note by the Chief Engineer for Irrigation.*

The following estimate from the Sidhout Range is forwarded by the District Engineer, Cuddapah, with his letter marginally noted :—
No. 1,275, dated 9th September 1875.

Talug.—Pullumpett. Estimate No.—1875. Work.—Munnoor Kitchumma Tank.
Amount.—Rupees 820.

2. The Financial and Hydraulic details of the irrigation work concerned are exhibited in the following statement :—

I.—Financial Details.

Name of Work.	Ayscut Area.	Assessment.	Average Revenue for 5 years.	Highest Revenue for 5 years.	Expenditure during previous 4 years.	AMOUNT OF ESTIMATE.		
						Capital.	Revenue.	Total.
Munnoor Kitchumma Tank ...	ACRES. 102	RS. 604	RS. 466	RS. 472	RS. 282	RS. 292	RS. 528	RS. 820

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE.		AVERAGE HEIGHT OF BUND.		Surplus discharged at M.T.L. per Section.	Tanks above.
		Catchment per Second.	Channels per Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
Munnoor Kitchumma Tank ...	SQ. M. 9	C. FT. 2,640	C. FT. ...	FT. W. 109	FT. 262	FT. 4'25	FT. 2'25	C. FT. 1,036	NO. ...
								2,490	

NOTE.—The proposed dimensions of escapes and heights of bund are printed in large type. The existing dimensions in small type. The following abbreviations are used :—C.—Calingulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

3. The following is a summary of the work proposed to be carried out :—

The bund west of the west weir is to be raised to a uniform height $4\frac{1}{2}$ feet above crest and sectioned, and the width at top of bund is to be 2 yards. A new masonry weir 150 feet in length is to be constructed, also a guide or training bank 460 feet in length, and that portion of the bund where it breached in October 1874 is to be revetted, as well as some other portions where necessary.

4. The District Engineer reported in his letter of the 9th September 1875, No. 1,275, that the Collector objected to his proposals for locating the additional weir necessary at the south-eastern end of the bund in continuation of the existing weir there, because there was no proper outlet for the surplus. As the result of further investigation, the Chief Engineer recorded his opinion that the surplus, if allowed to pass as proposed, would not do any real injury to cultivated land, that it was necessary

*Proceedings of the Madras Government, Public Works Department,
8th March 1876.*

to increase the surplus discharge in that direction because the Railway Engineers had provided additional waterway across the line; that however in deference to the opinion of the Collector the additional discharge should consist in simply restoring to the south-east weir as a whole the floor which was cut off when that weir was raised in 1874, and that the remainder of the surplus should be disposed of by lengthening the north-east weir.

It was also pointed out that the Railway officers should be informed that the discharging capacity of the last-mentioned weir was about to be increased in order that they might, if necessary, provide additional waterway to pass the water across the line.

The District Engineer has now forwarded an estimate for lengthening the north-west weir, but he has not provided for any addition to the south-east weir, nor has he alluded to the arrangement laid down with respect to it.

He should report distinctly whether the Railway officers are fully aware and have been officially informed of the proposed arrangements.

5. The repair of the tank bund and the construction of the weir can no longer be delayed, and the estimate as forwarded is recommended for sanction. The following will be the distribution of the expenditure to account:—

Name of Tank.	Nature of Work.	HEADS OF ACCOUNT.			
		Capital Ordinary.	REVENUE.		Total for each Tank
			Extensions and Improvements.	Repairs.	
		RS.	RS.	RS.	RS.
Munoor Kitchamma ... {	Repairing the bund and forming training bank ...	...	...	528	} 820
	Building a new Weir... ..	292	...	...	

FORT ST. GEORGE,
28th February 1876.

(Signed) A. DEC. SCOTT, Major, R.E.,
Asst. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 89.

ORDER THEREON, 8th March 1876, No. 607.

IRRIGATION, No. 10.
Account.

The following estimate for irrigation work in the Sidhout Range, Cuddapah District, forwarded by the Chief Engineer for Irrigation with his Memorandum,

No. 239, dated 28th February 1876, is sanctioned:—

Munoor Kitchumma Tank—Repairing the bund, &c. Revenue (Repairs) ...	RS. 528
Do. Building a weir. Capital, Ordinary ...	292
Total ...	820

This estimate is registered as Irrigation, No. 35 I. of 1875-76.

*Proceedings of the Madras Government, Public Works Department,
8th March 1876.*

2. The District Engineer will report further in reference to the remarks in the 4th paragraph of the Chief Engineer's Note.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Cuddapah.

- „ Collector of do.
- „ Chief Engineer for Irrigation.
- „ Examiner of Public Works Accounts.
- „ Revenue Department.

Exd. S T. Austin.
Spare Copies

Fort St. George 28th Feby. 1875.

No. 239.

Note by the Chief Engineer for Irrigation.

No. *1275-*

Dated *9th Sep. 1875.*

The following Estimate from the *Sidhant* Range *is* forwarded by the *District* Engineer *Guddapah* with his letter marginally noted:—

Taluq.

Estimate No.

Work *...* Amount *...*

Rs.

... *1875* *...*
Pullampett - Munoor Kitchum
ma Tank - 820 -

2. The Financial and Hydraulic details of the Irrigation work concerned

are exhibited in the following statement:—

I.—Financial Details.

Name of Work.	Ayacut Area.	Assessment.	Average Revenue for 5 years.	Highest Revenue for 5 years.	Expenditure during previous 4 years.	Amount of Estimate		
						Capital.	Revenue.	Total.
	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Munoor Kitchum</i>								
<i>ma Tank</i>	<i>102</i>	<i>604</i>	<i>466</i>	<i>472</i>	<i>282</i>	<i>292</i>	<i>528</i>	<i>820</i>

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	Maximum Supply.		Length of Escape.		Average Height of Bund.		Surplus discharged at M. T. L. per Sec.	Tanks above.
		Catchment per Second	Channels per Second	Total.	Effective.	Above F. T. L.	Above M. T. L.		
	Sq. M.	C. ft.	C. ft.	Feet.	Feet.	Feet.	Feet.	C. ft.	
Munoor Kitchamma Tank	9	2600	nil	129	109	4.25	2.25	1035	nil

NOTE.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. In the MS. the entries in red denote proposed dimensions. The following abbreviations are used:—C.—Calingulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

3. The following is a summary of the work proposed to be carried out.—

The bund west of the west weir is to be raised to an uniform height $4\frac{1}{2}$ feet above crest and sectioned, and the width at top of bund is to be 2 yards. A new masonry weir 150 feet in length is to be constructed, also a guide or training bank 240 feet in length.

length, and that portion of the bund where it breached in October 1874 is to be revetted, as well as some other portions where necessary.

The District Engineer reported in his letter of the 9th September 1875, No 12/75 that the Collector objected to his proposals for locating the additional weir necessary at the south eastern end of the bund in continuation of the existing weir there. because there was no proper outlet for the surplus. As the result of further investigation the Chief Engineer recorded his opinion that the surplus if allowed to pass as proposed would not do any real injury to cultivated land, that it was necessary to increase the surplus discharge in that direction because the Railway Engineers had provided additional waterway across the

the line, that however in deference to the opinion of the Collector the additional discharge should consist in simply restoring to the south-east weir as a whole the flow which was cut off when that weir was raised in 1874, and that the remainder of the surplus should be disposed of by lengthening the north-east weir.

It was also pointed out that the Railway Officers should be informed that the discharging capacity of the back-mentioned weir was about to be increased in order that they might, if necessary, provide additional waterway to pass the water across the line.

The District Engineer has now forwarded an estimate for lengthening the north-west weir, but he has not provided for any addition to

Note for P. M. S. ...

to the south-east weir, nor has he alluded to the arrangement laid down with respect to it. It should also report distinctly whether the Railway officers are fully aware and have been officially informed of the proposed arrangements. The repair of the tank bund and the construction of the weir can no longer be delayed, and the estimate as forwarded is recommended for sanction. The following will be the distribution of the expenditure to account.

		Heads of Account				
Particulars	Native of Work	Capital	Ordinary	Revenue	Expenditure	Total
		Rs.	Rs.	Rs.	Rs.	Rs.
Mannoor Repairing the bund				528		820
Kitchumma forming training bank						
Building a new weir	292					

Ans. Scott
Major R. H. Scott
Chief Engineer for Irrigation
To The Secretary to Govt. Public Works Dept. - C. W. R.

P. H. 1876 Dept

No 1573

From

The Chief Eng^r for
Irrigation

Dated 28th Feb 3 1876
Recd 3 March 3
C. J. No 239.

Note on Estimate for
Repairs &c to the Mannoor
Kitchumma Tank, in the
Sidhout Range, Cuddapah
Dist

No 8 March 76 B. N. 88

No 607 Public Works Dept
Proceedings of the Madras Government
Under date the 8th March 76.
Read the following:-

From

The Chief Engineer } (C. L. No 239 d/28th Feb 1876)
for Irrigation

The following
estimate for Irrigation
work in the Sidhout
Range, Cuddapah
District, forwarded
by the Chief Engineer
for Irrigation with
his Memo. No 239, dated
28th February 1876, is
sanctioned.

Mannoor Kitchumma Tank. Repairing the
bund to Revenue (Repairs) Rs. 528.

— C. J. — Building a weir, Capital
ordinary — — 292
Total Rs. 820

This estimate is registered
as Irrigation No 35

1 of 1875-76.

2 The District
Engineer

Engineers will report
 further in reference
 to the remarks in
 the fourth para of
 the Chief Engineer's
 note.

Adms

Gump

88-89

J. E. Cuddapah - 5-
 Collector - do - 5-
 C. E. for J. write 7 Prof. Eng. 15-
 En. 11-
 Ren. Dept.
 Dated - 21-3-76

1573
Govt. of 1876 Madras.

PUBLIC WORKS.

To
The District Engineer
Cuddalore

Dated

Issued

Recd

Encl

G. O. 8 March 1876, No.

607

Nos. 88-89.

W
Mannoor Kitchumma
Tank, Sidhont Range
Cuddalore Dist —
Estimate amounting to Rs
820 for repairing the —
and for constructing a weir,
sanctioned.