

(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.	3267	Press
~~B.P. No.~~		~~Mis.~~
Dated	1 - 12	6876 —195—

Not to be folded or roughly handled

Read the following —

No 262 W.

No 61. *Note by the Chief Engineer for Irrigation*

THE following estimates from the Kurnool Range are forwarded by the District Engineer, Kurnool, with his letter marginally noted —
No 36, dated 27th August 1876

Taluq	Village	Work	Amount
Nandikotkur	Motkur	V Tank	Rs 5,120
Do	Boyarevala	V Veerasamudrum Tank	2,940

2. The financial and hydraulic details of the Irrigation works 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	OUTLAY			
					During the previous 4 years	PROPOSED ORDINARY AGRICULTURAL		
						Original Works	Repairs	Average annual portion of charges to Revenue
	ACRES	RS	RS	RS	RS	RS	RS	RS Per cent
Motkur Tank ..	305	1,668	1,285	1,519	382	1,180	3,940	85 6
Boyarevala Veerasamudrum Tank	126	722	976	1,070	464	1,330	1,610	69 7
Total	431	2,390	2,261	2,589	846	2,510	5,550	78 7

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		
Motkur Tank	sq M. 7	C FT 2,470	C FT .	FT W 100 W 260	FT 100 260	FT 15 45	FT 00 20	C FT 950 3 2,470	No
Boyarevala Veerasamudrum Tank .	7	2,470	.	W 100 W 260	100 260	35 40	15 20	950 3 2,470	1

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—Wear with flush crest. E—Escape at ground level. B—Bund of Tank. V—Village.

*Proceedings of the Madras Government, Public Works Department,
1st December 1876 No. 3,261*

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

Motkur Tank — Raising and repairing the bund, reconstructing two irrigation sluices, and extending the masonry escape.

Boyarevala Veerasamudrum Tank — Raising and repairing the bund, clearing bushes, reconstructing two irrigation sluices, and extending the masonry weir.

4 The rate of Rupees 2 per cubic yard for demolishing the old wing wall of the weir of the Motkur tank is far too high, and although the amount involved is small, it should be reduced on principle, Annas 12 should suffice. The rate of Annas 12 for excavating the foundation is also somewhat excessive.

There is no object gained by giving a curved outline to the wings of the Irrigation sluices to be built for this tank. They may be of the form shown in design No 3 circulated with this office circular No 67, dated 13th October 1874, or of those designed for the sluices of the Boyarevala Veerasamudrum tank.

The outlay proposed on the Motkur tank amounts to about four years' average revenue. It should have been stated whether there is any probability of an increase to the cultivated area if the repairs are carried out.

The District Engineer has reported in a late letter that the following items of the estimate for the Motkur tank under review have already been sanctioned by him as emergent —

Reconstructing two irrigation sluices Rs
Repairing a breach in the bund 1,310
consequently only the balance of the estimate needs sanction by Government
The following statement shows the proposed distribution of the outlay recommended for sanction, to the debit of the several heads of account involved

Name of Tank	Items of Estimate.	FUND, ORDINARY AGRICULTURAL		Total for each Tank, &c.
		Original Works	Repairs.	
Motkur Tank	Repairing the bund		Rs 2,590	Rs 2,590
Boyarevala Veerasamudrum Tank	Extending the masonry weir	1,180	960	2,140
	Repairing the bund		650	650
	Reconstructing two irrigation sluices			
	Extending the masonry weir	1,330		1,330

FORT ST GEORGE,
23rd November 1876

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

To the Secretary to Government, Public Works Department.

No 62

ORDER THEREOF, 1st December 1876, No 3,261.
IRRIGATION, No 8
Account.

No 262-W, of 23rd November 1876

The following estimates for Irrigation works in the Kurnool Range, Kurnool District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned —

*Proceedings of the Madras Government, Public Works Department,
1st December 1876. No. 3,261*

Irrigation.

Name of Tank	Provision of Estimate	FUND	Amount	Irrigation Register No
		Ordinary Agricultural		
Motkur Tank	Repairing the bund	Repairs	Rs 2,590	1
	Extending the masonry weir	Original Works	1,180	2
Boyarevala Veerasamudrum Tank	Repairing the bund	Repairs	960	1
	Reconstructing 2 irrigation sluices	Repairs	650	2
	Extending the masonry weir	Original Works	1,330	3

2 These sanctions are registered as shown above.

(True Extract)

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

To the District Engineer, Kurnool
" Collector of do.
" Examiner of Public Works Accounts
" Chief Engineer for Irrigation
" Revenue Department.

Exd E C Shunker
Spare Copies

Tort St George 23rd Nov 1876.

No 262-W

Note by the Chief Engineer for Irrigation

No 36

Dated 27 Aug 1876

Sunder H

The following Estimates from the *Thurnool* Range are forwarded
by the *Assistant* Engineer *Thurnool* with his letter
marginally noted —

Talag	Village	Work.	Rs.	Amount
-------	---------	-------	-----	--------

Nandakothur Mathur & Tank 5120

Boyaravala & Varasamudrum d. 2940

2 The Financial and Hydraulic details of the Irrigation works 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	OUTLAY			
					During the previous 4 years	Proposed		
						Ordinary Agricultural		
						Capital Rs.	Revenue Rs.	Average annual proportion of Charges to Revenue
	Acres	Rs	Rs	Rs	Rs	Rs	Rs	Rs percent
<i>Mathur Tank</i>	<i>315</i>	<i>1668</i>	<i>1235</i>	<i>1519</i>	<i>382</i>	<i>1180</i>	<i>3940</i>	<i>85.6</i>
<i>Boyaravala Veera samudrum d.</i>	<i>121</i>	<i>722</i>	<i>976</i>	<i>1070</i>	<i>464</i>	<i>1330</i>	<i>1610</i>	<i>69.7</i>
<i>Total</i>	<i>436</i>	<i>2390</i>	<i>2211</i>	<i>2589</i>	<i>846</i>	<i>2510</i>	<i>5550</i>	<i>78.7</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 F	Above T L		
	Sq M	C ft	C ft	Ft	Ft	Ft	Ft	C ft	No
Mathur Tank. --	7	2470	"	W 100	100	15	00	9503	"
Royarewala Serramudrum d.	7	2470	"	W 100	100	35	15	9503	1

Note—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions are in black. The following abbreviations are used—K—Kalingulab with dam stones W—Weir with Pash cross
E—Escape at ground level B—Bund of tank V—Village

3 The following is a summary of the work proposed to be carried out in each case—

Matthar Tank. Raising and repairing the bund, reconstructing two irrigation sluices and extending the masonry escape.
Rogarewala Serramudrum Tank. Raising and repairing the bund, clearing breaches reconstructing two irrigation sluices and extending the masonry weir.

The rate of Rs 2 per cubic yard for demolishing the old wing wall of the weir of the Matthar Tank is far too high & although the amount involved is small it should be reduced on principle. Annex 12 should suffice.

Note for the Red entries in this note are to be printed in the note and note in para 2 should be sent.

713
The rate of Annex 12 for reconstructing the foundation is also somewhat excessive.

There is no object gained by giving a curved outline to the wings of the irrigation sluices to be built for this tank. They may be of the form shown in design No. 3 circulated with this Office Circular No. 64 dated 13th Oct 1874 or of those designed for the sluices of the Rogarewala Serramudrum Tank.

The outlay proposed on the Matthar Tank amounts to about four years average revenue. It should have been stated whether there is any probability of an increase to the cultivated area if the repairs are carried out.

The District Engineer has reported in a letter that the following items of the Estimate for the Matthar Tank under review have already been sanctioned by him as urgent.

Reconstructing two irrigation sluices Rs 1310
Repairing a breach in the bund --- 50
Consequently only the balance of the Estimate needs sanction by Government.

The following statement shows the proposed distribution of the outlay recommended for sanction, to the debit of the several heads of account involved.

Kaur

Name of Tank	Items of Estimate	Fund Agricultural		Total for each Tank
		Original work	Repairs	
Mothur Tank	Repairing the bund...	-	2590	3770
	Extending the masonry wall	1130	-	
Boyaravala Veeramudrum Tank	Repairing the bund	-	960	2640
	Reconstructing 2 irrigation sluices	-	650	
	Extending the masonry wall	1330	-	

Ans. Sd/-

M. J. S. D.
Deputy Chief Engineer & Irrigation
for Chief Engineer for S. D. S.

To
The Secretary to Government
Public Works Department

C. S. D.

R I Form No 3

No. 3261 of 21 Dec/76 *115* *1976*

The following Estimates for Irrigation
Works in the *Kurnool* Range,
Kurnool District, forwarded by
the Chief Engineer for Irrigation with his
No. 262-W of 23 Nov 1876. Memorandum marginally noted are sanctioned.

Irrigation

Name of Tank.	Provision of Estimate.	Fund	Amount	Irrigation Register No
Mothur Tank	Repairing the bund	~~Original~~ Repairs	2590	185-I
	Extending the masonry wall	Original Work	1130	
Boyaravala Veeramudrum Tank	Repairing the bund	Repairs	960	186-I
	Reconstructing 2 irrigation sluices	Repairs	650	
	Extending the masonry wall	Original work	1330	

These sanctions are regis-
tered as shown above

Ans. Sd/-

M. Kurnool ✓
Collector do ✓
S. P. W. Accts ✓
Ch. Engr. Irrig with 11 Enclosures ✓
Revenue Dept ✓

C. S. D.

19-12-76

P.W/S.

24 NOV 76

From NR 8545

The Chief Engineer for Proj.

Dated 23 } Nov. 1976
Dec 24 }

Encls 11

No. 262-W

Mothur & Royarewala Sanku -
Kurnool District - Note for
roadway for Sanku, estimates
for improvements to the -

No 61/2

434 B

Govt. of 1876 Madras.

PUBLIC WORKS.

To

Mr. N. G. Kinnock

Dated

Issued

Recd.

Let

G. O. 1st Dec. 1876, No. 561

Nos. 11-12

Not. for and, Somarevala
Lauki, M. M. S. S. S.

Estimates for certain works
here — sanctioned

1876-77