

- (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. 1427	(2)	Press
B.P. No.		Mis.
Dated 7-6-		1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
7th June 1876.*

Read the following :—

No. 58 W.

No. 136.

Note by the Chief Engineer for Irrigation.

THE following estimates from the
Kurnool and Cumbum ranges are for-
warded by the District Engineer, Kurnool, with his letter marginally noted :—

Taluq.	Village.	Work.	Amount.
Nundicoteoor	...	Dumaguttah V Tank	RS. 1,670
Markapur	...	Gobbore V. Tank	140

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.		
						Capital.	Revenue.	Average annual proportion of charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Dumaguttah Tank	38	Not given.	337	370	150	465	1,205	108
Gobbore Tank	43	459	195	344	377	...	140	53

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.				
Dumaguttah Tank	...	SQ. M.	C. FT.	C. FT.	FEET.	FEET.	FEET.	FEET.	C. FEET.	No.	
	6	2,227	...		Not stated.	Not stated.	4.5	2.5	0.0	Not stated.	
					W. 150	220	4.5	2.5	1868.9		
					E. 70		124	6.0	4.0	785.5	
					E. 124		124	6.0	4.0	785.5	1
Gobbore Tank	...	3	1,170	...							

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. V.—Village. S.—Revenue Survey.

*Proceedings of the Madras Government, Public Works Department,
7th June 1876.*

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

Dumaguttah Tank.—Raising, repairing, and lengthening the bund, repairing the sluice, constructing a masonry weir, widening the existing natural escape, and constructing an irrigation sluice in lieu of the old one worn out.

Gobbore Tank.—Repairing the bund and sluice.

4. It is stated that the proposed alterations to the Dumaguttah tank will result in large increase of revenue. The reasons for forming this anticipation should have been more fully detailed. The amount of increased storage capacity given to the tank by the extension of the bund should have been approximately stated as well as the authority on which it is taken for granted that there is additional land fit for irrigation and that it will be taken up.

The catchment basin is certainly of considerable size and can supply a very much larger area, so that the view taken by the officers concerned is probably correct. It would have been better had some demonstration been volunteered. The estimates are recommended for sanction.

5. 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.			Total for each Tank, &c.
		Capital, Ordinary.	REVENUE. Extensions and Improvements.	Repairs.	
<i>Dumaguttah Tank</i> ...	<i>Kurnool Range.</i> Repairing the bund and sluice ...	...	...	905	} 1,670
	Constructing a masonry weir ...	465	...	...	
	Widening the existing natural escape ...	...	20	...	
	Reconstructing an irrigation sluice ...	...	...	280	
<i>Gobbore Tank</i> ...	<i>Cumbum Range.</i> Repairing the bund and sluice ...	...	...	140	} 140
	...	...	...	...	

(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. 137.

ORDER THEREON, 7th June 1876, No. 1,427.

IRRIGATION, No. 11.

Account.

No. 58 W., dated 31st May 1876.

The following estimates for Irrigation Works in the Kurnool and Cumbum Ranges, Kurnool District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned.

*Proceedings of the Madras Government, Public Works Department,
7th June 1876.*

Name of Work.	Item of Estimate.	Fund.	Amount.	Irrigation Registry No.
<i>Dumaguttah Tank</i> ...	<i>Kurnool Range.</i> Repairing the bund and sluice ...	Revenue—I.B. Maintenance and Repairs.	905	44 I
	Constructing a masonry weir ...	Capital, Ordinary ...	465	1 44 I
	Widening the existing natural escape.	Revenue—I.A. Extensions and Improvements.	20	2 44 I
	Reconstructing an irrigation sluice ...	Revenue—I.B. Maintenance and Repairs.	280	3 44 I
<i>Gobbore Tank</i> ...	<i>Cumbum Range.</i> Repairing the bund and sluice ...	Revenue—I.B. Maintenance and Repairs.	140	4 45 I
	...	...	...	...

2. These sanctions are registered as shown above.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

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

Exd. E. C. Shunker.

Spare Copies

No 5824

31st May 1876

Note by the Chief Engineer for Irrigation.

No. 10

Dated 30th March 1876.

Encls. 11

The following Estimates from the *Kurnool & Anaburnu* Range are forwarded by the *District* Engineer *Kurnool* with his letter marginally noted:—

Taluq.

Village.

Work.

Rs.

Amount.

Kundicot cor. Damaguttah - V. Tank - 4670
Markapur. Gobbore - V. Tank - 140

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

I.—Financial Details.

Name of Works.	Ayacut Area. Acres.	Assessment. Rs.	Average Revenue for 5 years. Rs.	Highest Revenue for 5 years. Rs.	During the previous 4 years. Rs.	OUTLAY		
						Proposed.		
						Capital Rs.	Reve- nue. Rs.	Average annual proportion of Charges to Revenue. Rs.
<i>Damaguttah Tank</i>	<i>38</i>	<i>20</i>	<i>337</i>	<i>370</i>	<i>150</i>	<i>465</i>	<i>1205</i>	<i>108</i>
<i>Gobbore Tank.</i>	<i>43</i>	<i>459</i>	<i>196</i>	<i>344</i>	<i>377</i>	<i>4</i>	<i>140</i>	<i>53</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.	Ft.	Ft.	Ft.	Ft.	C. ft.	No.	
Dammaguttah Tanks	6	2227							

Note.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. The following abbreviations are used:—K.—Kalingulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank. N.—Village. S.—Revenue Survey.

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

Dammaguttah Tank.—Raising, repairing and lengthening the bund, repairing the sluice, constructing a masonry weir, widening the existing natural escape and constructing an irrigation sluice in lieu of the old one worn out.

Gobbore Tank.—Repairing the bund and sluice.

4. It is stated that the proposed alterations to the Dammaguttah tank will result in large increase of Revenue. The reasons for forming this anticipation should have been more fully detailed. The amount of increased storage capacity given to the tank by the extension of the bund should have been approximately stated as well as the authority on which it is taken for granted that there is additional land fit for irrigation and that it will be taken up.

The catchment basin is certainly of considerable size and can supply a very much larger area, so that the view taken by the officers concerned is probably correct. It would have been better had some demonstration been volunteered.

2. 8. 1876 Dep't
S. H. 133

The estimates are recommended for sanction.

5. 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.				Total for each Tank.
		Capital	Ordinary	Improvements	Repairs	
Kurnool Range	Repairing the bund & sluice				905	
Damagutta Tank	Constructing a masonry weir	465				
	Widening the existing natural escape		20			1670
	Reconstructing an irrigation sluice				280	
Cumbum Range						
Gobbare Tank	Repairing the bund and sluice				140	140

M. 136
Major S. H.
By Chief Engr. for Insign.
for Chief Engr. for Insign.
Y. 48
Shd recty. to Govt. P.W.D.

E. I. Form No. 8.

No. 1427 of 7 June 76

THE following Estimates for Irrigation works in the Kurnool & Cumbum Ranges Kurnool District, forwarded by the Chief Engineer for Irrigation with his Memo. marginally noted are sanctioned:—

No. 5821

dated 22nd May 1876.

Name of Work.	Item of Estimate.	Fund.	Amount	Irrigation Registry No.
Kurnool Range	Repairing the bund & sluice	Revenue - Repairs	905	41
Damagutta Tank	Constructing a masonry weir	Capital	465	42
	Widening the existing natural escape	Ordinary	20	43
	Reconstructing an irrigation sluice	Revenue - Improvements	280	44
Cumbum Range				
Gobbare Tank	Repairing the bund and sluice	Revenue - Repairs	140	45

2. These sanctions are registered as shown above.

S. E. Kurnool. ✓
Collector - do ✓
C. E. for Insign. ✓
Engr. for Insign. ✓
Rev. Secy. ✓

Desd 17/5/76

31-5
11/16

FORMER CASES.

R No. 10KR of 1876

" "

Issue Case.

I. E. Form No. 31.

P. W. 1876. Ref. #
 Chief Engineer for Irrigation.

RECEIPT No. 58W

Dated 31st May 1876.

Received by *[Signature]*

Issue No.

Dated

LATER CASES.

No. of 187

" "

Subject:—

*Damagutta & Gobore
 Tanks. Kurnool District*

*Submits for sanction
 plans & estimates for
 repairing the —*

Sent to Government with No.

18

W. of

Printed with G. O. No.

dated

ENCLOSURES. //

REMINDERS ISSUED.

No. 1, dated

187

" 2, "

"

" 3, "

"

" 4, "

"

" 5, "

"

KEEP-WITH.

*136-137
 2-6-76 Dtd 7-6-76
 O. H. Chatt 42. May*

Shree Chy. to Govt. P.W.D.

4133/CH

Govt. of Madras

PUBLIC WORKS.

The P. & M. M. M.

Date

Place

By

For

G. O. 7th June 1878, No.

1427

Nos. 135/7

Tanks. M. M. M.

Estimates for the
repair of certain —
sanctions

Est. in P. & M.
19-8-78