

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Publications DEPARTMENT

G.O. No.	1077	Press
B.P. No.		Mis.
Dated	17-6-	1875-195-

Not to be folded or roughly handled

Read the following papers :—

No. 450. From W. A. GOODCHAP, Esq., District Engineer, Kurnool, to
Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation,
dated Kurnool, 9th December 1874, No. 31.

I HAVE the honor to forward the following Irrigation repair estimates for your
approval and sanction :—

				Rs.
<i>Nundial Taluq.</i>				
Situatd above the Madras Irrigation and Canal Company's Canal. Breached in June.	1.	Pedda Devalapuram Tank	...	2,040
	2.	Chinna do.	...	1,820
	3.	Santajutur Sautanapu Tank	...	2,940
				6,800
<i>Nundial Taluq.</i>				
	4.	Galichennapaliem Nemilla Kunta	...	1,130
	5.	Alamur small tank	...	690
				1,820
<i>Sirwell Taluq.</i>				
	6.	Kotakonda Golla Iyennah Tank	...	740
	7.	Gangavaram Dokku Tank	...	740
	8.	Vellajalapully Gungama Tank	...	650
				2,140

2. I beg to report that Nos. 1, 2, and 3 are tanks situated above the Madras
Irrigation and Canal Company's Canal, and which were reported on in the Chief
Engineer's (Mr. Latham) report for September 1874. A report will be forwarded
shortly on the state of all tanks above the canal, as requested in your memorandum,
No. 52, dated 20th August 1874. In the meantime arrangements have been made
to close all breaches and enlarge the natural surplus escapes.

3. With regard to rates, I have to observe that every effort has been made to
reduce them, and even the Collector has tested the rates before passing the esti-
mates, by a reference to the Revenue authorities in each taluq.

4. It is anticipated that next year further reductions in rates will be made,
but it cannot be done all at once; up to the present time the rates have been
reduced fully 75 per cent.

No. 319-A.

No. 450A. Note by the Chief Engineer for Irrigation.

The following estimate has been submitted by the District Engineer, Kurnool :—

Kotakonda Kota Iyennah Tank	...	Rupees 740
Ayacut area	...	Acres 38
„ assessment	...	Rupees 192
Average revenue	...	„ 211

There is no record of expenditure on this tank.

*Proceedings of the Madras Government, Public Works Department,
17th April 1875.*

The catchment basin is reported to be 7 square miles, and the drainage from this should be capable of irrigating five times the area in the ayacut. Surplus is to be discharged over a length of 180 feet of hard laterite soil, and the difference between F.T.L. and M.W.L. is to be $2\frac{1}{2}$ feet as a maximum. The bund will be high enough if made 5 instead of $5\frac{1}{2}$ feet above F.T.L. The tank has a good stone revetment.

2. Vellajalapully Gungama Tank	Rupees 660
Ayacut area	Acres 78
" assessment	Rupees 305
Average revenue	" 458

No repairs have been done during the last four years.

In the report the irrigation area is entered as 120 acres, and so the tank would appear to be capable of supplying much more than its ayacut.

The drainage basin is 6 square miles, and the maximum flood discharge will be about 1,848 cubic feet a second. Consequently the natural escape of 200 feet may be one foot higher than the masonry weir of 32 feet, and this will save the former from being eroded by the water in ordinary seasons.

The rates are much too high, and the District Engineer must set his face steadily against all wasteful expenditure on this account. In this case the lead is stated to be 23 yards, and consequently 20 yards being the distance for the lowest rate, this should be but very slightly exceeded; 4 Pies a cubic yard from the earthwork and 1 Pie from the tamping may well be deducted. Ten per cent. for sundries and superintendence is also high. The estimate may be reduced by Rupees 120, and its amount will then be Rupees 540.

3. The other estimates received with the same letter from the District Engineer have been returned for the reasons stated in memorandum, No. 319, dated 20th instant.

No. 31, 9th December 1874.

FORT ST. GEORGE,
20th March 1875.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation

No. 451. ORDER THEREON, 17th April 1875, No. 1,077.

IRRIGATION, No. 51.

THE following tank repair estimates of the Kurnool District are sanctioned:—

1. Kotakonda Kota Iyennah Tank	Rupees 740
2. Vellajalapully Gungama Tank	" 540

The District Engineer's attention should be specially directed to the execution of work at reasonable rates. From estimates which have on several occasions been before Government it is apparent that there has been a great tendency in the Kurnool District to enhance the rates to an extent not justified by the cost of labor, and it is of great importance that the entries in all estimates should, until the lowest rates consistent with efficient work have been re-introduced, be justified

*Proceedings of the Madras Government, Public Works Department,
17th April 1875.*

for each part of the work, by particulars of soil, lead lift, &c. It will but seldom happen that one rate will be proper for all parts of a tank.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the District Engineer, Kurnool.
" Controller of Public Works Accounts.
" Chief Engineer for Irrigation.

Exd. E. C. Shunker.
Spare Copies

No. 3/ District Engineer's Office,
Kurnool.

The 9 December 1874.

From, The District Engineer,
Kurnool.

To, The Chief Engineer
for Irrigation
Madras.

Enclosures,

Subject. Estimates for Sanction.

Sir, I have the honor to forward the following
Irrigation repair Estimates for your approval
and sanction.

- Situated above
the M. D. H. Company
Canal.
Breached in June.
- | | |
|---------------------------------|-----------|
| 1. Pedda Devalapuram Tank | Rs 2,040. |
| 2. Chiina do | Rs 1,820 |
| 3. Santa juthi Santanapur Tank | Rs 2,940 |
| | 6,800 |
| 4. Galicheunapalem Amilla Kunta | Rs 1,130. |
| 5. Mamiur Small tank | Rs 690 |
| | 1,820 |
| 6. Hotakonda Golla Dyamma Tank | Rs 740. |
| 7. Gangavaram Dokku Tank | Rs 740. |
| 8. Velagalapalle Gangamma Tank | Rs 660. |
| | 2,140 |
- Santhal Taluk
Santhal Taluk
Santhal Taluk

2. I beg to report that Rs 1,293 are Tanks

situated above the Madras Irrigation and Canal Company's Canal, and which were reported on in the Chief Engineer's (Mr Latham's) report for September 1874. A report will be forwarded shortly on the state of all tanks above the Canal as requested in your Memorandum No 52 dated 20 August 1874. In the meantime arrangements have been made to close all breaches and enlarge the natural surplus escapes.

3 With regard to rates I have to observe that every effort has been made to reduce them, and even the collector has tested the rates before passing the estimates, by a reference to the Revenue authorities in each Taluk.

4. It is anticipated that next year further reductions in rates will be made, but it cannot be done all at once; up to the present time the rates have been reduced fully 75 percent.

I have the honor to be
Sir,

Your most Obedt Servt.

L. A. Goodchap
District Engineer.

11/1/76

original fully

To D. D. S. Kumool
 Nos 291 & 3197
 13 & 20 March 75
 & to sent No 3198 of 20 July 75

Q. No 2376
 1875-76

From
 The District Engineer
 Kumool

To
 The Chief Engineer
 for Irrigation
 Madras

No. 31

Dated 9th Dec 1874
 Received 17th

ENCLOSURES. 21.

Subject. Forward certain
 estimates for sanction

N-450

P. No. 2107/75
 4.6.11/75

oochap
 requires

No 3198

Note by the Chief Engineer for
 Irrigation

The following estimate has been
 submitted by the District Engineer, Kumool
 Katakonda Katakammah tank - No 740
 Ayacut area Acres 38
 Excessment Surplus 192
 Average revenue 211

There is no record of expenditure
 on this tank

The catchment basin is reported
 to be 7 square miles and the drainage
 from this should be capable of irrigating
 5 times the area in the ayacut. Surplus
 is to be discharged over a length of 100 feet
 of hard laterite soil and the difference
 between F.T.L. and M.W.L. is to be 2 1/2
 feet as a maximum. The bund will
 be high enough if made 5 instead of
 5 1/2 feet above F.T.L. The tank has a good
 stone pivotment

2. Vellayalappally

2. Vallajalapully Lingama tank Rs 660
Ayant area - acres 48.
" Assessment - Rupees 305.
Average revenue - 458.

No repairs have been done during the last 4 years.

In the report the irrigation area is entered as 120 acres, and so the tank would appear to be capable of supplying much more than its ayant.

The drainage basin is 6 square miles, and the maximum flood discharge will be about 10486 feet a second. Consequently the natural escape of 200 feet may be 1 foot higher than the masonry weir of 32 feet, and this will save the former from being eroded by the water in ordinary seasons.

The rates are much too high and the District Engineer much set his face steadily against all wasteful expenditure on this account. In this case the head is stated to be 23 yards, and consequently, 20 yards being the distance for the lowest rate, this should be but very slightly exceeded - 4 pies a cubic yard from the earthwork.

earthwork and 1 pie from the tamping may well be deducted. Ten per cent for salaries and superintendence is also high. The estimate may be reduced by Rs 120 and its amount will then be Rupees 540.

2. The other estimates received with the same letter from the District Engineer have been returned for the reasons stated in memo No 319 dated 20th instant.

Fort St. George.
20th March 75.

John L. Col. R.E.
Chief Engr. In Design.

To The Secretary to Government
P.W. Department

Mr. & Mrs. (3)

No of the Madras post
Read the following
From the Chief Eng for
Brishton

No. 319 A of 20 March/75

4077

The following tank
repair estimates of the
Kurnool District are pre-
-sented

1. Katakonda Kota Sriniah tank
Rs-740
2. Bellajalapilly Kungama tank
Rs-540

The District Engineer
attention should be specially
directed to the execution of
work at reasonable rates.
From estimates which have
on several occasions been
before Govt, it is apparent
that

none

P. W. 1895 No. 2104.

From
The Chief Eng for
to the Secretary & Engr
Kurnool District

Dated 20 March 1895
Received 21/3

Recd from 3/11/95

Note on the estimate
for repairs to the Katakonda
Kota Sriniah tank
Kurnool District
Kurnool District

G.O. No. 1699 of 19.4.95

61-11-75

No. 450A

that there has been a great
tendency in the Kurnool
District to enhance the
rates to an extent not
justified by the cost of
labour, and it is of great
importance that the
entries in all estimates
should, until the lowest
rates consistent with
efficient work have been
re-introduced, be justified,
for each part of the work,
by particulars of soil, lead,
lift, &c. It will but seldom
happen that one rate will
be proper for all parts of
a tank.

G.M.M.

Dist. Insp. Kurnool ✓
Asst. M. W. S. ✓
Asst. Insp. ✓
Recd with 2 Encls to the Chief Secy
19-4-78

2107
Govt. of 1875 Madras.

PUBLIC WORKS.

To. *Int Engrs*
Engrs

Dated

Recd.

Encl.

G.O., 17 April 1875, No. 1077

Nos. 450-457.

Tank. Kurnool Dist.

The estimate for the
repair of the Kote Ronda
Kote Eyennah and Vel-
lalalapully Gungama
tanks, sanctioned with
remit Rs.