

REVENUE DEPARTMENT.

Paper taken out of the Records from the charge of the Record-keeper.

Regular
Miscellaneous No. 175221-4 of 189

FOR WHAT CURRENT.		To whom given.	When taken out.
No.	Year.		
646	5/9	to	
370	9	to	
462	07	V. N. M.	27-10-00
1839	01		12/3/01
294	18	PD	12/2/00
309	84	1901/12/18/84	

Revenue (1897) Department.

MISCELLANEOUS SERIES.

G.O., No. 1752

DATED 1st April 1897

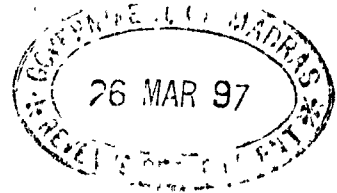
[Despatch Abstract.]

Comm^d to the M^r. of Rev. P^rios. P. W. O.
deferring sanction to the estimate for
excavating a supply channel to the Pedda-
mallalamanna Tank Kurnool Dist. till
the necessity for the execution of the
work under "33 Famine Relief" arises

Ch. 254 of 16-11-
of papers

IRRIGATION.

Government {1897} of Madras.
PUBLIC WORKS.



Sp 1/4

Recd. 26th March }
Regd. 26th } 1897.

Enclosures

Spare copies

G.O., No. 190 I., 23rd February 1897.

FEBRUARY. Com. No. 1752 d/1 ²⁵ April 97

for communication
to the Board of Rev.

18th Feb. Rth. No. 5-4-97

rs

Peddammallalammah Tank

Deferring sanction to the estimate for excavating a supply channel to the —, Kurnool district, till the necessity for the execution of the work under "33. Famine Relief" arises.

Sam. and
26/3/97
27/3

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

From W. B. DEWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation (through the Collector of Kurnool), dated Chintagunta, 17th November 1896, No. 18-C.

I have the honour to forward, herewith, an estimate for excavating a supply channel to Peddamallalammah tank of the Velgode group, Velgode project (in part), amounting to Rs. 1,04,380 for very early sanction as a famine-relief work.

2. The report fully explains the nature of the work.
3. It will give 3,000 people employment for six months.
4. I have ordered the first three miles to be laid out ready for commencement of work at short notice in anticipation of sanction.

ENCLOSURE.

REPORT to accompany estimate for "Digging a supply channel to Peddamallalammah tank of the Velgode group, Velgode project (in part)."

This estimate provides for carrying out the major portion of what is known as the Velgode project, which forms part of the famine programme of the Kurnool district.

2. The project may conveniently be divided into parts—
- (1) The excavation of a channel from 74 miles, Kurnool-Cuddapah canal, to the Peddamallalammah tank, the nearest of the Velgodo group of tanks, a distance of 22 miles.
 - (2) The excavation of a channel from the end of (1) to connect such of the tanks as do not receive the surplus of the Peddamallalammah tank.
- Details are ready for No. (1) and not for No. (2), so No. (1) is submitted at once.
3. The channel will eventually irrigate 8,226 acres as follows:—

Under channel	...	...	...	...	...	...	...	...	ACS.
" tanks	...	...	...	...	...	...	...	...	5,830
									2,396
Total	...								8,226

It is not expected that this will occur immediately or even in the near future, but eventually as population increases and the ryots become accustomed to irrigation, the land is sure to be taken up, and meanwhile the channel will protect dry crops in years of drought. It is therefore recommended as a famine work.

4. The channel is laid out throughout its length on a falling contour of 2 feet per mile, and its excavation presents no difficulties whatever, the ground being level across and the cross drainage small. A great deal of jungle will, however, have to be cleared.

5. The hydraulic details on which the channel has been designed are as follows :—

Area to be irrigated	...	...	...	...	...	8,226 acres.
Duty per cubic foot	...	...	...	...	...	50
Required discharge	...	...	...	...	...	165 c. ft. per second.
Fall per mile	...	...	...	...	...	2 feet.
Depth of water	...	...	...	...	...	3 "

Taking a bed width of 23 feet and side slopes of $1\frac{1}{2}$ to 1

$$R = \frac{82.5}{33.8} = 2.44.$$

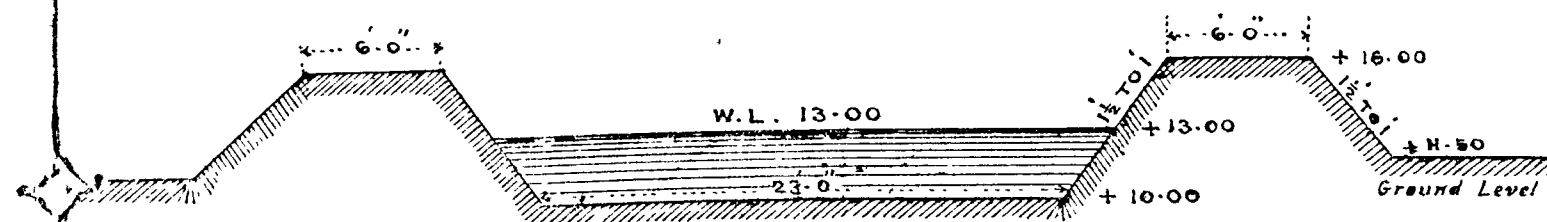
$$S = \frac{1}{2640}$$

C=66.5

$$v = 66.5 \sqrt{\frac{2.41}{2640}} = 2.$$

$$D = a\sqrt{h} \\ = 82.5 \times 2 = 165 \text{ c. ft. per second} = \text{discharge required.}$$

6. The channel will therefore have the following section :—



Only 1½ feet of cutting is allowed, because there is only that average depth of surface soil, the sub-soil being shale, very expensive to remove. The balance of earth required for banks will be obtained from side pits.

7. The land is all Government waste, no compensation is therefore required.
8. Lump sums are entered for the masonry works required. Their designs will be submitted for sanction as soon as possible.

(Signed) W. B. DEWINTON,
Superintending Engineer, III Circle.

17th November 1896.

Forwarded for favour of early sanction.

(Signed) C. M. MULLALY,
Collector.

20th November 1896.

No. 219 I.

Submitted to Government with a recommendation that the estimate forwarded by the Superintending Engineer, III Circle, be sanctioned for execution as a famine-relief work if required. The estimate is only a rough one and, if the work is taken up, a regular estimate will have to be made in order to determine how much of the cost should be charged to Irrigation funds. It would appear from paragraph 6 of the

No. 190 I., 23RD FEBRUARY 1897.

Superintending Engineer's report and the details of the estimate that the project is not likely to prove one which can be confidently recommended merely on its merits as an irrigation work.

30th November 1896.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

No. 63 W.

Forwarded to the Secretary to Government, Revenue Department, with the request that it may be ascertained from the Commissioner whether the work is now required for relief purposes.

8th December 1896.

(Signed) F. J. WILSON,
Dy. Chief Engineer for Irrigation.

READ—the following G.O., Mis. No. 254, Revenue, dated 16th January 1897:—

Read—the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 14th January 1897, Mis. No. 270:—

Read—the following letter from M.R.Ry. D. JAGANATHA RAO Pantulu Garu, Head-quarter Deputy Collector of Kurnool, to the Collector of Kurnool, dated 4th January 1897, R.C. No. 2274-Rev.

With reference to your endorsement, C. No. 3054-Eng. of 1896, dated 20th December 1896, on Board's Proceedings, Mis. No. 6559 (Revenue Settlement, Land Records and Agriculture), I have the honour to report that there is no necessity to undertake either the whole or any portion of the Velgode project in the present circumstances of the weather. It may be found necessary to undertake it if the next south-west monsoon fails.

2. The Tahsildar reports that the project has already been investigated by the Public Works Department, and that all the papers connected with the project are either in your or the Executive Engineer's office. He, however, sends in a statement showing the probable revenue derivable by the project at Rs. 25,330.

No. 66-Eng.

Copy submitted to the Secretary to the Commissioner of Revenue Settlement, Land Records and Agriculture, Madras, with reference to Board's Proceedings, Mis. No. 6559 and Mis. No. 6830, dated 14th and 24th December 1896, respectively.

2. The enclosures received with the first of the Board's Proceedings are herewith returned.

3. The undersigned agrees with the Deputy Collector.

KURNOOL,
7th January 1897.

(Signed) C. M. MULLALY,
Collector.

Resolution—dated 14th January 1897, Mis. No. 270.

Submitted for the information of Government with reference to G.O., Mis. No. 5031, dated 9th December 1896.

(True Copy and Extract.)

(Signed) R. V. SRINIVASIAH,
Secretary.

No. 190 I., 23RD FEBRUARY 1897.

Order—Mis. No. 254, Revenue, dated 16th January 1897.

Transferred to the Public Works Department.

(True Extract.)

(Signed) LIONEL DAVIDSON,
Under Secretary to Government.

ORDER—No. 190 I., dated 23rd February 1897.

In the circumstances reported by the Board of Revenue, sanction to the estimate for excavating a supply channel to the Peddamallalammah tank is deferred till the necessity for the execution of the work under "33. Famine Relief" arises.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.

" Superintending Engineer, III Circle, with two enclosures.
" Revenue Department.