

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2299	Press
B.P. No.		Mis.
Dated	30-8-	876 195

Refused

Not to be folded or roughly handled

Report of Mr J. C. Johnston
Asst Engineer for the week
ended 11th August 1876.

In attempting to note down
in the survey plan, made when
Mr. Turner, now, I think was Range
Officer, the levels of the ground taken
at over 220 ft. I found that
the channels had not been correctly
surveyed in, at least that part
between the town and Fair 1/2. I have
applied for the Village maps of Fumblum
or, as they are not yet ready, for any
other maps issued by the Revenue
Survey showing the town and channels.
At the same time an indent has
been submitted for prismatic
Compasses and a theodolite, so that
if the Revenue survey maps are not
forthcoming we may be able to make
a correct survey ourselves.

I would have indented for these
instruments before, but I depended

upon the Dumpy Levels to be supplied from Madras, being furnished with revolving cards for surveying purposes.

Overseer Annisamun Chetty is proceeding with his levels & levels and I hope this week he will be able to complete all the ground surface levels of that part of the country lying NE of the Gundlucamma bund which is commanded by the Kankalagundi, Pedda Lumbum and Kairail, Putha Channels.

Definite instructions are awaited as to the proposals submitted by Major Hasted with regard to the new channel and the maximum distances apart at which cross sections of the channels are to be taken. It would be advisable to note the lengths of the channels permanently in miles and furlongs, and to frame estimates mile by mile, and for this purpose quarters chains (100 ft) would be more convenient than the 100 ft chains.

Since Thursday I have been suffering from intermittent fever, due more I believe to exposure to the sun than to the climate. I expected a return today

but not having had it. I believe it to be checked. I shall however have to be very careful if I wish to remain here to complete the works, as I certainly wish to do.

My Head Quarters have been fixed at Candlapuram 3 miles NE of Lumbum. Rayapand would be very inconvenient as a site for when fields are all planted with paddy. I should have no means of communication with the Tank, except by making a detour of nearly 10 miles from Candlapuram. I shall be able to inspect the Kankalagundi, Pedda Lumbum and Kairail, Putha Channels and the Tank without any difficulty and it is just as healthy as Rayapand.

Lumbum
14.8.76

J. C. Hurston
Assistant Engineer

P.S.
I am glad to report that the Surveyor recommended by Major Hasted, arrived this morning.

For more papers vide Ch. 586.

D.W.D.
1876

From the Special Officer
Cumbria
Noted in ^{the} August 1876

Report on the Survey
for water on land 11 August
1876.

No. 160-W

Note by the Chief Engineer for Irrigation

Mr. Johnston can exercise his discretion as to the distances apart of the cross sections of the channels. When channels are irregular some points need many others few cross sections. Gunter's chain may be used if desired, but there is nothing to prevent the miles and furlongs being conveniently fixed with any chain. Gunter's chain is convenient for measuring miles and for land measurement. The 100 feet chain is the more convenient for earthwork calculations, which apparently are intended by Standing Order No. 1 of 1876 to be shown in hundreds of cubic feet.

Colacannund
22nd August 1876

Wm. L. St. Colman Esq.
Chief Engineer for Irriga

To the Secretary to Govt. P.W.D.

Cir - 23-8-76 B.L. 33-876
Respt to Govt 18-8-76

P.W.D.

2 SEP 76

P I Form No 22

No 2299

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 30th Aug^r 1876

READ the following —

Note by the Ch Engr. for Supt. re No. 8 of 22 Aug^r 76

Recorded.

14.1.22/8

The Chief Engineer, in Briefing
The Secretary, to Govt.
P.W.D.

Dated 22 August 1876

Sd/-

M. H. S. - 11

Maximum tank Channels—
Turner District — Note stating
that the distance apart at which cross
sections of the — are to be taken, can be
fixed according to the nature of the
ground with respect to the frequency
Channel may be conveniently
fixed.

Spl of Spring Lambur
C. C. Engr
Dated 19/7/76

6351.

Govt. of Madras.

PUBLIC WORKS.

To *the Officer in Charge, Cumbum*

Dated

Issued

Recd

Encl

G. O. No. 1-78, No 2299

Nos.

Cumbum Tank
Channel. Kumbol

Note by the
Chief Eng^r for
issuing instructions
for the guidance of the
Siccar Asst^t Eng^r
for taking down the
distances apart at
which cross sections
of the — can
be fixed

20-9-78