

(1) Number of pages 6
 (2) Date of repair 11-11-1947
 (3) Initial's of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	837	Press
548-549		Mis.
Dated	27 3	1865.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th March 1865.*

No. 548. Read the following Endorsement of the Secretary to the Government of India,
No. 214 C—1,081 :—

From the Secretary to the Government of India, Public Works Department, to the Secretary to
the Government of North-Western Provinces, in the Public Works Department, dated
Fort William, 25th February 1865, No. 212 C—1,081 :—

Sir,

It having been brought to the notice of the Governor General in Council that the formulæ
for calculating velocities and discharges of open canals, obtained from Neville, Dubuisson and
other writers on Hydraulics, are not reliable when dealing with large volumes of water, I am
directed to state that His Excellency in Council cannot but consider it a matter of regret
that notwithstanding the advantages afforded by the Ganges and Baree Doab Canals for making
experiments of this nature, no advance should have been made in the knowledge of this subject

2. A few disconnected efforts on the part of Executive Officers, who seldom have leisure
from the current duties of their divisions, are unlikely to lead to any valuable result. His Excel-
lency in Council is of opinion that an officer should be deputed for the special purpose of con-
ducting experiments on an extensive scale, from which the laws governing large bodies of moving
water may be determined with some amount of accuracy.

3. Such information would prove invaluable in framing future projects, and I am there-
fore to request that the Honorable the Lieutenant Governor may be moved to place an officer
under the orders of Colonel Dyas to carry out a series of experiments of the nature spoken of.
I am to remark that any intelligent young officer may be employed upon this duty, and that all
that could be desired might be accomplished in the course of two or three months, if a plan of
operations is previously prepared and precise instructions drawn up by Colonel Dyas for the
guidance of the officer selected for the duty.

No. 213 C—1,081.

Copy forwarded to the Government of Punjab, with remark that like measures may advan-
tageously be adopted there also.

Copy forwarded to the Governments of Madras and Bombay for information.

(Signed) E. C. S. WILLIAMS, Captain, R. E.,

For Secy. to the Govt. of India.

No. 549.

ORDER THEREON, 27th March 1865, No. 837.

Ordered to be recorded.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

Exd. S. T. Augustin.

A very desirable arrangement but I doubt
the effects for a month's experiments
one Supt opens a door to another, and
should be very sorry to see the series checked
or broken in upon. (W.D.)

Unless the experiments extend over
a considerable period of time, and
are made with great care &
accuracy I should think they
would be useless & worth little
to be tried - Further we have
no special officer to spare for the
duty. (W.D.)

WEST OF N W COR

SECY. TO GOVT. OF INDIA,

C.
1.

no. 837-27th March 1865.

Communicates orders for carrying out experiments
in view to ascertaining data for calculating the velo-
cities and discharges of large volumes of wa-
ter moving in open Canals.

Recorded

272. *Manulob 865*