M.R.O. 1—77,006—8-6-37.

(1) Number of pages 10

(2) Date of repair 10-11-43

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

[illegible] DEPARTMENT.

G.O. No. 2923 Press Mis.-

443-44

Dated 24 11 1942.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 24th November 1862.

No. 443. Read the following letter from Lieutenant-Colonel J. OUCHTERLONY, R. E., Deputy Chief Engineer, Southern Circle, to Colonel W. I. BIRDWOOD, R. E., Secretary to Government, Public Works Department, dated Madras, 20th November 1862, No. 122 :—

SIR,

With reference to the accompanying correspondence* with the District Engineer of Tanjore and to my letter No. 85, dated 23rd September 1862, disposed of in G. O. No. 2,375, dated 3rd October 1862, I have the honor, under the explanation given by Mr. Fraser, C. E., to recommend that a "Warner's Tub Garden Engine," of 24 gallons capacity, may be indented for from England (with spare fittings), for use at Negapatam in watering trees and shrubs planted to protect the spit at that port.

1 Letter with its enclosure as above.
* No. 208, dated 25th October 1862.

No. 444. ORDER THEREON, 24th November 1862, No. 2,823.

The attention of the Deputy Chief Engineer, Southern Circle, is requested to the Proceedings of Government No. 2,701, dated 10th November 1862.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

No. 202 of 1862/63

4th Dy. Dangs Office

Negapatam 11th October/62

From,

W. Fraser Esquire C. E.

1st Dist. District Engineer

To

Captain J. Mullins

Ag. District Engineer Tanjore

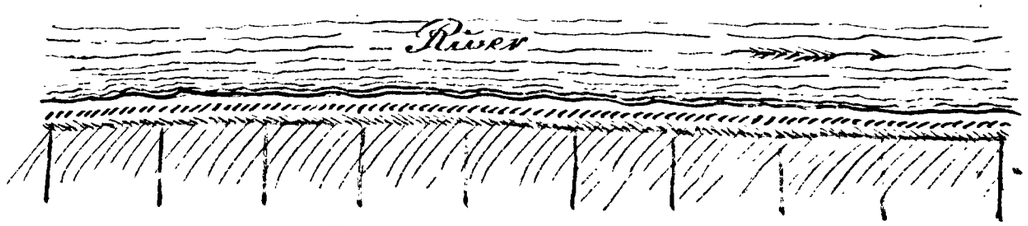
Sir,

I have the honor to acknowledge the receipt of the Proceedings of the Madras Government No. 2375 under date 3rd instant

2. In Para 3 of his letter Colonel Buchterlony objects to the use of Fraser's Sub Engine, as with 240 lbs (24 Gallons) of water in the tank, it would be very heavy to move about.

3 It was not intended that the Engine should be moved about except when empty or nearly so.

The Skeleton wheel barrow recommended by Colonel Buchterlony, although it would be very useful under other circumstances, is not applicable to the Case of the Spit. Thus.



The trees &c to be watered are planted over the Space hatched across in the above sketch, as also upon the Banks.

This Space is about 800 or 900 yards long and 30 to 40 wide:—

The water is taken from the River, which runs fresh from 2 to 4 hours at low water— but the distance to be walked over by the Coolies going back and forward between the River and the plants, renders it impossible, except with Considerable numbers, to water the whole during the times within which the water is available:

The same objection would apply to the use of the Skeleton wheel Barrow.—

4. With a garden Engine the mode of operation would be thus: The Engine would be moved empty, along the top of the bank, halting at certain places where it would be filled by a Couple of women Coolies: The man would then direct the water upon the plants, all of which would be within the Command of an Engine of moderate power When emptied the Engine would be moved a little farther, filled again, and so on:—

In this way one man and two women Could water the whole once a day.—

5. I foresaw the probability of being obliged to take off the small wheels which Garden Engines generally have, and put on two larger ones with broad tyres: What we want is the perfect Control which the apparatus gives over the water and by which one man Can distribute it— over a Considerable Space without— moving from the engine.

6 Should there be any difficulty or delay in getting a Garden Engine of sufficient power I will rig up a first rate apparatus if you Can send to get for me the following:

I. A forcing pump sufficiently strong to throw a half inch jet of water say 40 yards: This should be provided with an air vessel.

II Gutta purcha feed pipe to fit the Pump: This should not be less than 2— or 2½ inches diameter and it should be 20 feet in length.

III Gutta purcha delivery pipe 10 feet in length: It need not be more than 1 inch in diameter but it should fit on to the delivery pipe of the Pump: We Can get a nozzle made to suit our purposes.—

7 I Could get the above rigged up in a Skeleton wheel Barrow, at a very small

Cost

No 208 of 1862.

Sub Assistant Engineer's Office
Cuttack 25th October 1862.

From

Captain J. Williams
Actg Executive Engineer

To

The Deputy Secretary to Government
Public Works Department
Fort William

Sir,

With reference to your No 8[illegible] dated 23d ultimo, I have the honor to forward a Petition from Syud Ahmed Ali Sirdar of Cuttack No 2052 of 1862 praying for the grant of a piece of land for the purpose of erecting a Mosque thereon.

2 The Petitioner has been informed that he must apply to the Collector of Cuttack for the land he requires.

I have &c

(Signed) J. Williams Captain
Actg Executive Engineer

(True Copy)

Lt. Col. Cullen
Offg Director of Irrigation

Cuttack, 22nd October 1862.

Copy of the above letter with its enclosure is forwarded to the Executive Engineer of the Orissa Division for information.

(Signed) W. Brasyer Esqre C.E.
Offg Director of Irrigation

(True Copy)

Lt. Col. Cullen
Offg Director of Irrigation

To Govt 20th Nov/62 No 122.

1/34/62

Enclosure in a letter from the Director Irrigation No 208 dated 25th Octr 62.

P.W. 3005/62

Copy of a letter from Mr Fraser regarding the method of protecting the Plants on the spit at Rajapatam

Castle of delivery pipe, which however could be easily fitted to the Nozzle of the Engine — I think an Engine could be obtained from Calcutta at but a small Advance on English prices —

† Say 100 feet.

I have &c

W. Mullins Captain
Acting District Engineer

To Govt. Agent P.W.D. No. 122

Sir

I have the honor to forward herewith Copy of Plan & Report on the Water Supply of Cannanore & Tellicherry, with its Enclosures, as per Margin.

I have &c

W. Mullins Captain
Acting District Engineer

Tellicherry 25th October 1862

To Lieut. Col. J. Cruickshank
Deputy Chief Engr. S.C.

Sir

I have the honor to forward herewith Copy of Plan & Report on the Water Supply of Cannanore & Tellicherry, with its Enclosures, as per Margin.

I have &c

W. Mullins Captain
Acting District Engineer

Tellicherry 25th October 1862

To Lieut. Col. J. Cruickshank
Deputy Chief Engr. S.C.

9B

Southern Circle Office P.W.D.

Madras 20 November 1862

No. 122

From Lieut. Colt. J. Cruickshank R.E.
Deputy Chief Engineer S.C.

To Colonel W. J. Birdwood R.E.
Secretary to Government P.W.D.

Sir,

Public.

× No. 208
dated 25th Octr. 62.

Enclosures 2
Letter with its Enclosures above

With reference to the accompanying correspondence† with the District Engineer of Tanjore and to my letter No. 85 dated 23d September 1862 disposed of in G.O. No. 2375 dated 3d October 1862. I have the honor, under the explanation given by Mr. Fraser, C.E., to recommend that a "Warner's Tube Garden Engine", of 24 gallons capacity, may be indented for from England, (with spare fittings) for use at Negapatam in watering trees and shrubs planted to protect the spit at that point.—

I have &c

J. Cruickshank Lt. Colt. R.E.
Deputy Chief Engr. S.C.

P.W. 1862 Dispatches
Gen.l of Gov.t for Navy
From No. 3506.

Lt. Colt. J. Ouchterlony R.E.
Dy. Chief Engineers &c.

Col. W.F. Birdwood R.E.
Secretary to Govt.
P.W.D.

No. 122
Dated 20th November 1862
Recd. 27th November 1862

Enc. 2.

I Recommend that a Warner's Tube Garden Engine of 24 Gallons capacity may be indented for from England with spare fittings for use at Negapatam in watering trees & shrubs planted to protect the fort at that port.

With my order
No. 2823-26 November

From the Dy. Ch. Engr.
S.C. Dy. 6 June 1863
Ar. 18

No. 443. 444.

No. 2823.

I am directed by the Chief Engineer S. Circle to request that the Proceedings of Govt. No. 2701 dated 10th November 1862.

Chepauk
24th Nov. 62

2 Copies

for the Dy. Chief Engr. S.C. Dispd. 25th

No. 87.