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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1215 Press Mis.
635-636

Dated 28- 6- 1864.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 28th April 1864.

No. 655. Read the following letter from Lieutenant-Colonel W. E. MORTON, R. E., Secretary to Government, North-Western Provinces, Public Works Department, to the Secretary to the Government of Madras, Department Public Works, dated Camp Nynee Tal, 29th March 1864, No. 1,238 A :—

SIR,

The Ganges Canal. A discussion regarding the projection and present state of the Ganges Canal, and the measures required to make it reliably useful and profitable.

1. With reference to a pamphlet named in the margin printed for private circulation by Major General Sir A. Cotton, R. E., and of which it is presumed that the Government of Madras has received a copy, I am directed by the Honorable the Lieutenant-Governor North-Western Provinces, to request the favor of being furnished with such information regarding some of the principal Anicuts in the Madras Presidency, and the rivers on which they have been constructed, as will enable this Government fully to understand the various arguments adduced by General Cotton in favor of those works.

2. As an illustration of what this Government desires to obtain, I am to mention the following documents connected with the Palaur Anicut :—

First.—A longitudinal section of the river bed, from a point a mile or two above the Anicut to a point at about the same distance below it.

Second.—Transverse section of the river channel in the neighbourhood of the Anicut, with highest and average flood level shown.

Third.—Sections of the country in the vicinity of the same work.

Fourth.—Plan and section of the Anicut, with specification, and a Memorandum of rates for the several kinds of work executed on it, *e. g.*, stone masonry in foundation and superstructure brick work, do. do. excavation for foundation, &c.

Fifth.—The calculated highest flood discharge and the ordinary discharge during the dry season of the Palaur river.

Sixth.—The distance from which stone used on the Anicut was procured, the nature of the stone and the mode of conveyance from quarries to works.

Seventh.—The period in which the Anicut was completed; if work was carried on during the rainy season the mode adopted for protecting the unfinished Anicut from floods, and any other information which it may be possible to supply.

3. The Lieutenant-Governor has selected the Palaur Anicut because from General Cotton's pamphlet, it appears to be the one which is constructed on a river with the greatest slope of bed, but His Honor would be glad to have similar information regarding any of the other principal Anicuts, such as those on the Godavery, Kistna, Cauvery, &c.

4. I am to add that any of the documents asked for which the Madras Government desire merely to lend, will be returned at the earliest possible date.

No. 656. ORDER THEREON, 28th April 1864, No. 1,215.

Communicated to the Superintending Engineers 1st, 2nd, 4th and 6th Divisions, who will be requested to furnish full information on the several points referred to as regards the Godavery, Kistna, Palaur and Upper Coleroon Anicuts.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 1st Division.
Do. do. 2nd do.
Do. do. 4th do.
Do. do. 6th do.

Exd. S. T. Augustin.

a Memorandum of rates for the several kinds of work executed on it, e.g. stone masonry in foundation & superstructure

3X

From No. 1238 A of 1864

Lieut Col W. E. Morton R.E.
Secretary to the Govt Irrn. D. P. W. D.

To

The Secretary to the Government of Madras
Department Pub: Works

D. Camp Byrraal the 29th March 1864

W. D. Irrn. D. No.

With reference to a Pamphlet bearing the heading printed for private Circulation by Major General Sir A. Cotton K.E. and of which it is presumed that the Govt of Madras has received a Copy, I am directed by the Honble the Lieutenant Governor Irrn. D. to request the favor of being furnished with such information regarding some of the principal Anicuts in the Madras Presidency and the Rivers on which they have been constructed as will enable this Government fully to understand the various arguments adduced by General Cotton in favor of those works.

Govt. Consult. a section regarding objections and proofs of the Ganges Canal, and the measures to make it secure & profitable.

2. As an illustration of what this Government desires to obtain, I am to mention the following documents connected with the Pallaur Anicut.

1st A longitudinal Section of the River bed, from a point ~~a furlong~~ two above the Anicut to a point about the same distance below it.

2d Transverse Section of the River Channel in the neighbourhood of the Anicut with Highest & average Flood Level shown

3d Sections of the Country in the vicinity of the same work

4th Plan and section of the Anicut, with specification and a Memorandum of rates for the several kinds of work executed on it, e.g. Stone Masonry in foundations &c &c &c

Brick work &c &c Excavation for foundations &c

5th The Calculated Highest Flood discharge, and the Ordinary discharge during the dry season of the Pallam River

6th The distance from which stone used on the Anicut was procured, the Nature of the stone and the mode of Conveyance from Quarries to works.

7th The period in which the Anicut was completed, if work was carried on during the Rainy season the mode adopted for protecting the unfinished Anicut from floods.

And any other information which it may be possible to supply.

3. The Lieutenant-Governor has selected the Pallam Anicut because from General Cullen's Pamphlet, it appears to be the one which is Constructed on a River with the greatest slope of bed, but His Honor would be glad to have similar information regarding any of the other principal Anicuts such as those on the Godavery, Kistnah, Cauvery &c.

4. I am to add that any of the documents asked for which the Madras Govt desire merely to lend, will be returned at the earliest possible date.

I have the honor to be
Sir
Your most Obedient Servant
(Signed) Lieut Colonel
Secy to the Govt Revd Pubc &c

5X

P.W. 1864 — Departt
Pro. of Govt for April
No 1665
From the Secy to Govt
W. W. P.
P.W.D
Dated 29th March —
Recd 1st April/64
No 1238

No 1215 — 28th April/64

Requesting to be furnished with certain information regarding some of the principal Anicuts in the Madras Presy, and the Rivers on which they have been constructed —

With an Order

No. 655-656

C. 18th April 1864 — No. 210

Circular

No 1215

Communicated to the Superintgrs 1st, 2nd — 4th & 6th Divns, who will be requested to furnish full information on the several points referred to as regards the Godavery and Kistnah Delta Anicuts —

To the Superintgrs 2nd Div
Do 4th & 6th Divs

Dated 29th April —

Chepauk
28th April/64

x 87