Rec.- 20 May 1869 Nº 485-6

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PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,

2ND DIVISION.

&c., &c., &c.

Dated *August*, 31st.

Recd. 1st Sept.

Encl.

G. O., 31st August 1869; No. 2,833.

AUGUST.

Nos. 620-621

Fish-ladder.—The Superintending Engineer of the 2nd Division requested to prepare a specific design of such a fish-ladder as may be considered suitable for the Kistna Anicut, and submit it with an estimate of the probable cost of its construction.

From the Public Works
Nº 21 - Feby 70 Pkg. 550.

13 Feby 70 Rec. 21 Feby 70

No. 620. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Public Works Department, dated Bezoarah, 7th August 1869, No. 71:—

In reply to G. O., No. 1,580, of 13th May 1869, I have the honour to observe that the fall between the under-sluice of the Kistna Anicut and the lower pool of the river would prevent the construction of a lock in the vents, as proposed by Dr. Day. It appears to me that that gentleman scarcely understands the working of a lock, as he seems to think we can open the door one-and-a-half feet high against a considerable body of water.

2. The opening could be effected by raising the shutter, but the velocity of the stream would be greater than a fish could stem. The still-water pool, as of a lock, could only be obtained, in my opinion, by building a new work altogether close to the bank of the river.

3. I do not find any statement that it is ascertained that the fish come *up* the Godavery irrigation-channels, which they could only do by passing the locks; they can go *down* through the head-sluices and over the calingulahs; and with deference I would beg to suggest a doubt as to fishes remaining eight hours in a lock-chamber waiting for the opening of the gate.

4. The temporary ladder described in paragraph 33 failed from its nature; the water leaked through the rough-stone walls, and no pools sufficed to receive the fish; but I see no reason to suppose that the anicut would suffer from a substantial ladder built into it at any point on the plan No. 1, which would cost probably Rupees 600, but far less than the lock.

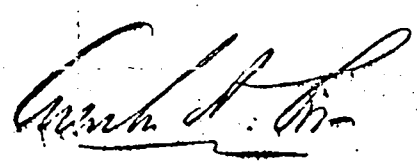
5. The Kistna channels open into the sea at Masulipatam and Nizampatam, so that I do not understand why if fish wish to pass above the anicut, they have not come up these irrigation-channels as well as those of the Godavery.

No. 621. Order thereon 31st August 1869, No. 2,833.

IRRIGATION, No. 28.

The Superintending Engineer of the 2nd Division will prepare a specific design of such a fish-ladder as he may consider suitable for the Kistna Anicut, and will submit it with an estimate of the probable cost of its construction.

(True Extract.)



Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 2nd Division.
" Revenue Department.

Fd. F. R. Bantleman.