

6077

Gobt. of 1875 Madras.
PUBLIC WORKS.

The S. S. S. S. S.
Indra

expenditure to be charge
to Capital, Godavery
Ancient.

G. O. S. S. S. S. No. 2692

No. 419 - 420

Shutter & gear on Capt.
Brockman's design, for
the Dowlaishweram
under sluices. — App.
of the construction of
as — & making
available for the purpose
a sum of Rs. 750 from
the grant for Minor New
Works, Agricultural. The

Rs. 750 - 750 - 750

No. 419. Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 7th September 1875, No. 1,042 :—

From Major J. BEATTY, R.E., Acting Superintending Engineer, Godavery District, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Dowlaishweram, 25th August 1875, No. 1,595.

In continuation of my letter, No. 1,450, of 7th August 1875, and with reference to your memorandum, No. 212, of 17th February 1875, I have now the honor to forward Captain Brockman's revised design for under sluice shutters and gearing.

1 Original design.
1 Specification of the above.
1 Revised design.
1 Do. specification.
1 Estimate.

2. The new design provides for working all the shutters by one transportable oscillating screw box, and one screw. To the end of the screw is forged a double pronged hook which engages a T head attached to the top of the lower shutter.

3. The one screw box with its screw is to be moved from vent to vent by a couple of lascars, who are provided for this purpose with a suitable lever.

4. In all other respects the design is similar to the one previously submitted, and calculations of pressure, &c., have now been given as you requested.

5. The estimate provides for making and fixing one pair of shutters with the revised pattern of screw gearing at the Dowlaishweram under sluices.

6. For convenience of reference I send the original plan and specification, together with the revised design, specification and estimate amounting to Rupees 691.

7. This design is simpler and less expensive than Mr. Larminie's, and I think more likely to prove a success.

SUBMITTED for the consideration of Government in continuation of this office note No. 943, 21st August 1875, with a recommendation that an experimental shutter and gear on Captain Brockman's design for the Dowlaishweram under sluices may be sanctioned, and that Rupees 750 be placed at the disposal of the Superintending Engineer, Godavery, for this purpose from the grant for Minor New Works, Agricultural. The outlay, though small, being a part of a much larger sum, about Rupees 8,500 which will be proposed for sanction when the design shall have been practically and finally settled in detail, should be charged to Capital, Godavery Anicut.

2. There are one or two points on which it may be desirable to consider whether some alteration of design may not be necessary. The beam with the recess to carry the gear will need to be very strong to stand the transverse strain; the lower part of the lifting hook does not look strong enough, but the undersigned has not had an opportunity of seeing shutters worked in grooves of Captain Brockman's design.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,
20th September 1875.

No. 420. ORDER THEREON, 20th September 1875, No. 2,692.

IRRIGATION, No. 39.

Account.

THE construction of a shutter and gear for the Dowlaishweram under sluices on Captain Brockman's design, dated 10th August 1875, is approved, and the sum of Rupees 750 as recommended by the Chief Engineer for Irrigation will be made available for this experimental set from the grant for Minor New Works, Agricultural, the expenditure being charged to Capital, Godavery Anicut.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Godavery.
" Chief Engineer for Irrigation.
" Controller of Public Works Accounts.

Exd. E. C. Shunker.

Spare Copies

No 2692
Proc. of the Madras Government

Under date the 20th Sept 1875

Read the following:-

From
The Chief Engr. for Irriga. (H. E. No. 1042 of 10th Sept 1875)

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a shutter and gear for
the Dowlaishweram
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Works Agricultural

the

the expenditure being
charged to Capital.
Godavery Ament.

by 13/9

by 13/9

D.R. Godavari 9 : returned 1/11/75
Ching for Engrs 5 - with 5 Engrs
Cmtr P. H. W. 5 - with 1 ab.
Colmalle

N^o 44-420

sc Dispd. 5-10-75

N^o 1042.

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Wm. L. L. L. L.
Chief Engineer for Irrigation

Olatocamund
7th Sept 1895

To The Secretary to Government.
P.H.L.

N. 419

22/9/95

6077

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The St. George.

Indra

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G. O. 20 Sept. No. 2692

No. 419-420

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P. W. 1895 Sept.
No: 6077

From

The Chief Engr.
for design

Dated 7 Sept 95
Recd. 22 - 1895

E. 6 No: 1042

Submitting letter from
the Lt. Engr. Goddard
forwarding Capt. Brock-
man's revised design
of under bluish shut-
ters and framing.

P. 6. 2632. 20-9-95.