

Public Works (1897) Department.

G.O., No. 792

DATED 30. August 1897

W. P. P.

~~W. P. P.~~

Placed and printed
copy by Monday
in office

10/9/97

[Despatch Abstract.]

Kistna Aqueduct. Govt of India letter sanctioning
an estimate of Rs. 6,680 for fitting experi-
mental shutters to the crest of the —, Com R.
to officers concerned and S.E.s requested to
give a trial to certain type of shutters
and report on the experiment.

220
12

Government of India letter sanctioning an estimate of Rs. 6,180 for fitting experimental shutters to the crest of the —, communicated to officers concerned, and Superintending Engineers requested to give a trial to certain type of shutter and report on the experiment.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation,
Account.

READ—the following paper:—

From N. F. MACKENZIE, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 14th August 1897, No. 214 I.

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 641 I., dated the 12th July 1897, copy received under your endorsement No. 642 I. of the same date, and, in reply, to communicate the sanction of the Government of India to the estimate, therewith forwarded, amounting to Rs. 6,180, including establishment and tools and plant charges, for fitting experimental shutters to the crest of the Kistna anicut chargeable to "49. Capital expenditure not charged against Revenue," Kistna delta system.

2. With regard to these experimental shutters, I am to suggest that it would be as well to try also the type of shutter in use on the headworks of the Lower Ganges, Agra, Sirhind and Chenab canals, which revolves on a horizontal axis at foot of the shutter and is held in position by a strut (as at Okla), or by a tie as on the other works with a simple relieving gear. The advantages of this system are that the gates can be let down gradually as required and that they can be more effectually tamped if it is an object to prevent leaking. On the other hand, it is probably a little more difficult to raise them than the shutters on the Sone canal system. Colonel Smart who has visited all the works referred to, will probably be able to advise on this point.

3. The sanction accorded in paragraph 1 has been registered as No. 16 I. of 1897-98, and the plans and estimates forwarded with the Proceedings of the Madras Government under acknowledgment are returned herewith.

ORDER—No. 792 I., dated 30th August 1897.

Communicated to officers concerned for information.

2. The Superintending Engineers will be requested to give the shutters, referred to in paragraph 2 of the letter read above, a trial and report on the experiment. Colonel Smart will also be asked to furnish Government with full particulars regarding these shutters.

3. This sanction is registered as No. 78 I. of 1897-98.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.

" Superintending Engineers of Circles.

" the Superintending Engineer on Special Duty, Cauvery Completion Estimates.

" the Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

READ the following:—

India's sanction to the estimate of Rs 6180 for fitting experimental shutters to the crest of the Kistna anicut -

Letter from the Govt of India - 18214. I. of 14. 8. 97

Communicated to officers concerned for information -

2. The Superintending Engineers will be requested to give the shutters referred to in para 2 of the letter read above, a trial and report on the experiment. Col. Smart will also be asked to furnish Government with full particulars regarding these shutters

His sanction is registered as No. 78 I. of 1897-98.

*To the Chief Engineer for Irrigation
- Sups Engrs of Circles
- The Sups Engr on Spl Duty, Cauvery Completion Estimates
- Exd of P. W. Accts.*

20 is to be made with 5 plans + 2800 (particulars + abstract) in m/s with 6 plans + 2800 (particulars + abstract) 16/9/97

Thro 7th I. Plans Separately + m/s I.

Public Works

(1897)) Department.

CURRENT No. 8612

From The Govt. of India
O.W.D.

Order

No. 214. I

To

I

Draft order submitted
for approval -

21/8

Dated 14th August 1897

Received 20th - 8

Enclosures ^{Repts: 27-8-97} 8 (6 blanks)

Spare copies

SUBJECT.

Kistna Ancient. Communicates
with remarks the sanction of
the Govt of India to the estimate
of Rs 6,180 for fitting experimental
shutters to the crest of the —

27

Irrigation.

The Secretary to the Government of Madras,
Public Works Department.

Simla, the 14th August 1897.

Sir,

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 641 I., dated the 12th July 1897, copy received under your endorsement No. 642 I., of the same date, and, in reply, to communicate the sanction of the Government of India to the estimate, therewith forwarded, amounting to Rs. 6,180, including Establishment and Tools and Plant charges, for fitting experimental shutters to the crest of the Kistna anicut chargeable to "49-Capital expenditure not charged against Revenue", Kistna Delta System.

2. With regard to these experimental shutters, I am to suggest that it would be as well to try also the type of shutter in use on the head works of the Lower Ganges, Agra, Sirhind and Chenab Canals, which revolves on a horizontal axis at foot of the shutter and is held in position by a strut (as at Okla) or by a tie as on the other works with a simple relieving gear. The advantages of this system are that the gates can be let down gradually as required and that they can be more effectually tamped if it is an object to prevent leaking. On the other

other hand it is probably a little more difficult to raise them than the shutters on the Sone Canal System. Colonel Smart who has visited all the works referred to, will probably be able to advise on this point.

3. The sanction accorded in paragraph 1 has been registered as No. *16* I., of 1897-98 and the plans and estimates forwarded with the Proceedings of the Madras Government under acknowledgment are returned herewith.

I have the honour to be,

Sir,

Your most obedient servant,

N. F. Mackenzie

Under Secy. to the Govt. of India.

Documents accompanying:-

(1) Detailed estimate

(2) Abstract estimate

(3) 6 plans.

sent in a separate parcel