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Government of Madras.

Public Books DEPARTMENT.

Con 31/12/59

G.O. No. 2969 Press / Mis.

10-11

Dated 21—12—1859

Not to be folded or roughly handled

No. 10. Read the following letter from Lieutenant-Colonel J. H. BELL, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 16th December 1859, No. 8408.

1 Letter from District Engineer, dated 4th November 1859.
1 Do. to do. 18th do. No. 7395.
1 Do. from do. 28th do. No. 164.
1 Do. from do. 3rd December 1859, No. 173.

In his season report for October 1859, the acting District Engineer, Kistna division, brought to notice that no rain having fallen since the first week in October, the want of water was severely felt more especially in the Masulipatam delta, and that great apprehensions were entertained of the total destruction of the wet crops. Tanks which are not fed by river water were almost all dry and even the dry crops had suffered from the want of rain. The District Engineer has urged, therefore, the necessity of adopting some means whereby an increase in the supply of water in the main channels may be ensured. The works provided for in the following estimates which have already received the sanction of Government contemplate the attainment of this object.

		Amount of estimate.	Date of sanction.
Item No. 199 of budget, statement No. 2 for 1859-60.	For sloping the banks of the main duct from the Kistna anicut on the northern side of the river in the Masulipatam district.	Rs. 20,240.	10th December 1856, No. 2287.
Item No. 210 of budget, statement No. 2 for 1859-60.	For sloping down the banks of the main channel from the southern or Guntúr flank of the Kistna anicut in the Masulipatam district.	Rs. 22,870.	18th December 1856, No. 2358.
		43110	

2. The District Engineer* considers the first of these projects to be comparatively of greater importance. By carrying out the works provided for in the estimate for the same, the erosion of the sides by the current and rain, and the consequent choking up of the channel will be prevented. As reported in the late Chief Engineer's letter of the 18th November 1856, No. 8207, the section of the channel is at present but little more than sufficient to supply the water required for the Pulairú channel, the cultivation under which has considerably increased, and as the extent of ground under the Mopedévi and Masulipatam channels and the Pulairú is given at 100,000 acres, the capacity of the main duct must be increased to carry a volume of water sufficient for 300,000 acres.

* Letter dated 28th November 1859, paragraph 2.

3. The Government have in Extract Minutes Consultation, 10th December 1856, No. 2287, admitted the necessity of the work, and as the District Engineer states that he anticipates being able to perform the same out of the funds allotted for repairs to works in the Masulipatam district, I recommend compliance with his request by the removal of the restriction on the works in question in consideration of the urgent necessity which exists for increasing the supply of water in the main channels.

4. I request that the Government will be pleased to pass early orders on the subject of this application, to enable the District Engineer to collect workmen and to provide hutting and accommodation for them.

5. The proposition of the acting District Engineer for raising the anicut will be considered.

No. 11. ORDER THEREON, 21st December 1859, No. 2964.

It does not appear that the opinion of the Collector has been obtained on the project recommended in this letter; but the Government must have it, before passing an order for so large a diversion of the funds allotted to ordinary repairs in the district.

2. In sending up the Collector's opinion the Chief Engineer will be pleased to supply information on the following points:

1st. Whether the mere "sloping" of the banks will so enlarge the capacity of the channel at the low level at which in the drought described the water will flow, as materially to augment the supply.

2nd. Whether the work can be performed, without for the time, and that a critical time, impeding the flow of water down the channel.

3rd. Whether the work can be completed soon enough to affect the crops of the present year.

3. In his progress report for October in which this work is first suggested, the acting District Engineer says (November 4th) that all depends on the ensuing week or ten days, and that a good fall of rain within that time and a small fresh in the river is wanted to save the crops. The Government believe that much rain fell about the time here specified; and if so the necessity of special measures may be assumed to be much diminished.

4. The Government wish to have the opinion both of the Chief Engineer and of the Collector on the whole question. It is not sufficient that there is a present want of water; it is also necessary to consider whether the proposed method of remedying that want is suited to the emergency, and may reasonably be expected to have the effect intended.

(Signed) J. D. BOURDILLON,
Secretary to Government.

Central Office
Fort Saint George
16th December 1859.

P. No. 8408

From
The Chief Engineer
To
The Secretary to Government
Public Works Department

Sir,

Irrigation—
Enclosures 4—
1 Letter from Dy Collr
4th Octr
1 Ltr to Collr 15th Octr
1 Sketch
1 Ltr from Dy Collr 27th Octr
1 Do 1st
1 Ltr — — 3rd Decr
—143—

In this season Report for October 1859, the Actng District Engineer Eastern Division brought to notice that no rain had fallen since the first week in October the want of water was severely felt more especially in the Masulipatam Delta, and that great apprehensions were entertained of the total destruction of the wet Crops. Tanks which are not fed by river water were almost all dry and even the dry Crops had suffered from the want of rain. The District Engineer has urged, therefore, the necessity of adopting some means whereby an increase in the supply of water in the main channels

read

pleased

many) the remarks on the works provided for in the following Estimates which have already received the sanction of Government contemplate the attainment of this object.

For clearing the banks of the Main Duct from the Mistria Anicut on the Northern side of the River in the Masulipatam District ..... Rs. 20,240 - 15th Dec. 56 No. 2287 — Chan. No. 144 of Bundle Statt. No. 14 for 1856/57

For clearing down the banks of the Main Channel from the Southern or Cumbior flank of the Mistria Anicut in the Masulipatam District ..... 22,870 - 15th Dec. 56 No. 2368 — Chan. No. 2/3 of Bundle Statt. No. 12 for 1856/57

2. The District Engineer considers Letter dated 28th Nov. 56 para 2. the first of these projects to the comparatively of greater importance. By carrying out the works provided for in the Estimate for the same, the erosion of the sides by the current and rains, and the consequent choking up of the Channel will be prevented. As reported in the late Chief Engineers letter of the 18th November 1856, No. 8207, the section of the Channel is at present but little more than sufficient to supply the water required for the Culairu Channel, the cultivation under which has considerably increased, and as the extent of ground under the

Nojadeé

5

Nojadeé and Masulipatam Channels and the Culairu is given at 100,000 Acres, the capacity of the main duct must be increased to carry a volume of water sufficient for 300,000 Acres.

3. The Government have in Letter from Chief Engineer No. 2287, dated 17th December 1856 para 2 admitted the necessity of the work, and as the District Engineer states that he authorities being able to perform the same out of the funds allotted for repairs to works in the Masulipatam District, I recommend compliance with his request by the removal of the restriction in the works in question in consideration of the urgent necessity which exists for increasing the supply of water in the Main Channels.

4. I request that the Government will be pleased to pass early orders on the subject of this application, to enable the District Engineer to collect workmen, and to provide huttings and accommodation for them.

5. The proposition of the Revenue Dis[trict]

District Engineer for raising the Amount will be considered.

Fort Saint George
16th December 1857

Have the honor to be,
Sir
Your most Obedt Servants

Lieut Colonel
Chief Engineer

To
The Secretary to Government
Military Department

Read

Public Works Dept

No 2964.

Proceedings of the Madras Government

Under date the 21st December 1859.

Read the following letter from the Chief Engineer.

Recommends that the Estimate of Rs 20,240 entered in the Budget for sloping the main dwat from the Kristna anicut on the other side of the river may be sanctioned for execution out of the repair fund if it will bear it.

Fort St George 16th December 1859
No 8408

Submitted with opinion that the opinion of the Collector has been obtained on the project recommended in this letter; but the Govt must have it, before passing an order for so large a diversion of the funds allotted to ordinary repairs in the District.

2. In sending up the Collector's opinion the Chief Engineer will be pleased

Recd 16th Decr
Answd 17 "

No 3309.

Dated 16th Decr 1859
with Mr Colln's letter 8408.
No 2964. 21st Do Draughtsman
Submitted the Collector's opinion
Dated 20th inst
Signed Dy Secy

No 10.

21st December 20

pleased to supply information on the following points.

1st Whether the mere "closing" of the banks will so enlarge the capacity of the Channel at the low level at which in the drought described the water will flow, as materially to augment the supply.

2nd Whether the work can be performed without for the time, and that at a critical time, impeding the flow of water down the channel.

3rd Whether the work can be completed soon enough to effect the crops of the present year.

3 In his Progress Report for October in which this work is first suggested, the Acting District Engineer says

says (November 4th) that all depends on the ensuing week or ten days, and that a good fall of rain within that time and a small freshin the river is wanted to save the crops. The Govt believe that much rain fell about the time here specified; and if so the necessity of special measures may be assumed to be much diminished.

4. The Govt wish to have the opinion both of the Chief Engineer and of the Collector on the whole question. It is not sufficient that there is a present want of water; it is also necessary to consider whether

whether the proposed method
of remedying that want
is suited to the emergency,
and may reasonably
be expected to have the effect
intended.



10 Copies to Hon Chief Engrs Dept 2d Inst.

Public Works 1859 Dec.
Pro: of Govt. 31st Dec.

No. 2964.

Pro: of the Madras Govt.
Dt. 21st December 1859.
Forwd. Chief Engr. 27th March 60
No. 771 in Pro: 19th April 60
No. 798

Calling for information on the subject of executing the Estimate entered in Budget for stopping the main duct from the Marlina Anicut on the Northern side of the river.

No. 10 of 11.