M.R.O. 1—77,006—8-6-31.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3072 Press Mis.

52-53

Dated ~~30~~ 4. 10. 1867.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 4th October 1867.

No. 52. Read the following letter from the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Department Public Works, dated Madras, 26th September 1867, No. 84:—

1. I have the honor to forward, for the consideration of Government, a letter, No. 615 of the 13th instant, from the Chief Engineer, Madras Irrigation and Canal Company, applying for further sanction for the Chittravutty gauging, for which a sum of Rupees 1,000 was sanctioned in Proceedings of the Madras Government, No. 2,462, dated 6th August 1866.

With Agent's Endorsement, No. 273 of the 21st idem.

2. The Chief Engineer explains that, owing to the sickness of an Engineer, to the boring tools going to the wrong place, to the pipes and augers not fitting, to the absence of sufficient strength in the lifting gear, &c., the gauging of the river and examination of the gorge have been delayed, and he appends a statement showing that Rupees 812 have been expended, and that Rupees 788 are still required, so that the supplemental sanction needed is Rupees 600.

3. I notice that the boring tools are intended to be sent to Kurnool, after the completion of the Chittravutty observations. This should not be done unless necessary, for it is not likely that any borings will be needed near Kurnool, whereas in the Pennair division, which is comparatively near the Chittravutty, it is probable that borings will have to be taken in several places, particularly at the Pennair and Cheyair, and perhaps at the Booga.

From the Assistant to Chief Engineer, to the Agent and Manager, Madras Irrigation and Canal Company, dated Kurnool, 13th September 1867, No. 615.

1. I have the honor to append a statement of the expenses incurred in gauging the discharge of the Chittravutty river near the Parnapully gorge up to date, and request that you will obtain sanction for a further sum of Rupees 600 to be expended on these observations—(See estimate at end).

2. In doing so I have the honor to offer the following remarks :—

3. When the appointment of a man on Rupees 35 and Rupees 10 allowances per mensem (Mr. Nipps) for one year was sanctioned, it was hoped he would have been able not only to make the observations called for by the Board of Directors, but also to take a number of borings across the gorge at the site of the dam.

4. Everything was prepared for commencing the gauging in September 1866, and Mr. Lowe was at Anantapoor to fix the gauges, but he was invalided and sent home from there, and never saw the river. Thus we lost last freshes.

5. It was impossible to spare an Engineer until Mr. Bradbury visited the place in February 1867, there having been no freshes since October 1866. Our gauging then, begins at the end of last rainy season.

6. Mr. East delayed the departure of the boring apparatus from Somaiswarum till about the beginning of April. That would have allowed ample time had he left Mr. Wait with clear instructions. As it was, the boring tools turned up at Kurnool in May last, the bandymen having apparently confounded Peddacotta with Prattacotta, a village near Puggydial, and when they reached Mr. Nipps in June, he found that the wrong pipes or augers had been sent, so that the latter were all too large for the former. This error is now repaired, after Mr. Nipps had lost a fortnight in trying to bore without pipes.

7. Lastly, when Mr. Nipps had got the first boring down to a depth of about 32 feet on the 20th of June last the raising gear broke, and although no time was needlessly lost in supplying him

gauges

with stronger tackle and levers, yet the rains were upon him before he could do much more than extricate the rods.

8. These repeated *contretemps* have prevented the completion of the borings within the time contemplated by the first estimate submitted 9th July 1866. Early in December I hope Mr. Nipps will be able to resume operations and complete the borings by January 12th, after which a Gumastah may be left in charge of the gauges.

No. 273.

Forwarded to the Consulting Engineer, with a request that he will obtain a further sanction of Rupees 600 to be expended on gauging the discharge of the Chittravutty river. A statement of the amount in detail is herewith attached.

(Signed) F. H. HENSLOWE,
Agent and Manager.

MADRAS,
21*st September* 1867.

CHITTRAVUTTY GAUGE.

Expenditure to date.

	RS.	A.	P.
Expenditure to May 11th. See Form F	475	13	10
Mr. Nipps' pay for May, June, July, August, and 12 days in September	198	0	7
Watchman's pay do. do. do.	30	12	10
Cartage of boring tools, Nellore to Peddacotta...	59	8	0
Miscellaneous, say...	47	13	4
Total...	812	0	0
Amount sanctioned...	1,000	0	0
Remaining to be spent...	188	0	0

Estimate of probable cost to complete second year's observations and borings.

Mr. Nipps' pay for 4 months...	180	0	0
Watchman's do.	28	0	0
Nine borings, say 40 feet deep each, at 8 Annas per foot	180	0	0
Gumastah for 8 months, at 15 Rupees...	120	0	0
Stationery, say	10	0	0
Postage at 5 Rupees for 4 months	20	0	0
Carts removing boring tools, &c., to Kurnool, say 8 carts at 21 Rs....	168	0	0
Painting, repairing gauges, &c., say...	30	0	0
Sundries...	52	0	0
	788	0	0
Deduct amount remaining...	188	0	0
Amount requiring sanction...	600	0	0

(Signed) J. F. SCHWARTZ,
Assistant to Chief Engineer.

No. 53. ORDER THEREON, 4th October 1867, No. 3,072.

IRRIGATION, No. 3.

1. On the 6th August 1866 a sum of Rupees 1,000 was sanctioned by Government for expenditure by the Madras Irrigation and Canal Company in gauging the discharge of the Chittravutty river in connection with the Purnapully reservoir, and in making trial borings at the site of the proposed dam, upon the understanding that the work was to be completed within one year.

2. In the foregoing papers it is explained that, from one cause and another, little or no progress has yet been made towards obtaining the necessary data, although the expenditure has exceeded Rupees 800; and it is stated that a sum, nearly equal to what has already been spent, is still required for the purpose.

3. In expressing their regret that so much valuable time should have been lost, the Government are constrained to observe that the Chief Engineer's explanation now before them does not reflect credit upon the arrangements made by him and his subordinates; and, while sanctioning the additional sum of Rupees 600 now applied for, they trust that the operations will soon be brought to a successful termination, without any further outlay being found necessary.

4. The Chief Engineer's particular attention should be drawn to the Consulting Engineer's remarks regarding the disposal of the boring tools on the completion of the observations in connection with the Chittravutty river.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Under Secretary to Government.

To the Consulting Engineer for Irrigation and Canal Company.
,, Manager for do. do.

Ext S. T. Augustin.

Gauges

Madras Irrigation & Canal Co

No. 615.

Chief Engineer's Office

Kurnool 13th September 1867

To

F. W. Heuslowe Esq.

Agent and Manager

Madras

Sir,

I have the honor to append a Statement of the expenses incurred in gauging the discharge of the Chittravutty River near the Parnapully gorge up to date, and request that you will obtain Sanction for a further sum of Rupees 600 to be expended on these observations (see Estimate at end).

In doing so, I have the honor to offer the following remarks.

When the appointment of a man on Rs. 35 & Rs. 10 allowances per mensem (Mr. Ripps) for one year was sanctioned, it was hoped he would have been able not only to make the observations called for by the Board of Directors, but also to take a number of borings across the gorge at the site of the Dam.

Every thing was prepared for commencing the gauging in September 1866 when Mr. Lowe was at Anantapoor to fix the

gauges

Chittravutty Gauge.

Expenditure to date 9th

Expenditure to May 11th See Form F	475	13	10
Mr. Nipps pay for May, June, July, August and 12 days in September	198	"	"
Watchmans pay do do do	30	12	10
Cartage of Boring Tools & Pellor to Peddacotta	59	8	"
Miscellaneous Pay	47	13	4
Total	812	"	"
Amount Sanctioned	1000	"	"
Remaining to be spent	188	"	"

Estimate of probable cost to complete 2 Years observations and Borings

Mr Nipps pay for 6 Months	180	"	"
Watchmans do	28	"	"
9 Borings say 40' deep each @ 8 As per foot	180	"	"
Gunnas tah for 8 Months @ 15 Rs	120	"	"
Stationery Pay	10	"	"
Postage @ 5 Rs for 4 Months	20	"	"
Carts removing boring tools &c to Kunnoor Pay & Carts @ 21 Rs	165	"	"
Painting repairing Gauges &c Pay	30	"	"
Sundries	52	"	"
	788	"	"
Deduct Amount remaining	188	"	"
Amount requiring Sanction	600	"	"

Sd/ J. F. Schwartz.

/True Copy/

Fr. Martin Henshaw

Agent and Manager

Consulting Engineer's Office
Irrigation & Canal Company
Madras, 26th Sept. 1867.

No. 84.

From,

Captain, J. Mullins, R.E.
Cons. Engr. for I. & C. Co.

To,

The Secretary to Government
Department of Pub. Works.

Sir,

With Agent's Endorsement No. 273 of the 1st inst.

I have the honor to forward for the consideration of Government a letter, No. 615 of the 13th instant, from the Chief Engineer Madras Irrigation and Canal Company, applying for further sanction for the Chittravutty gauging, for which a sum of Rupees 1000 was sanctioned in Proceedings of the Madras Government No. 2462, dated 6th August 1866.—

2. The Chief Engineer explains that owing to the sickness of an Engineer, to the boring tools going to the wrong place, to the pipes and augers not fitting, to the absence of sufficient strength in the lifting gear &c., the gauging of the rivers and examination of the gorge have been delayed, and he appends a Statement shewing that Rupees 812 have been expended, and that Rupees 708 are still required, so that the

Endorsement No. 273 dated 26 Sept 1867.

Rs. 273

From

The Agent & Resident
Cuddapah

To

The Consulting Engr.
for P.W.D.

Cuddapah 21st Sept. 1867.

P.S. 3 bullocks

Forwarded, Copy of the Chief Engr's letter No. 615 of 13th instant, requesting the sanction mentioned therein.

Agent & Resident & Collector
Cuddapah 26 Sept. 1867.

Rs. 1000 for Chittravutty
Gauging

the supplemental sanction needed is Rupees 600.—

3. I notice that the boring tools are intended to be sent to Turnoor after the completion of the Chittravutty observations.— This should not be done unless necessary, for it is not likely that any borings will be needed near Turnoor, whereas in the Pennair Division, which is comparatively near the Chittravutty, it is probable that borings will have to be taken in several places, particularly at the Pennair and Cheyair, and perhaps at the Borga.—

I have the honor to be,

Sir,

Your most obedient Servant,

J. Dunlop Captain R.E.

Consg Engr for I. & C. Company.—

No. 52

Recd 11th Sept.

To

The Secretary to Govt. Public Dept.

Fort St. George.

Dated 26th Aug. 1867

Rec'd 27th Sept.

M. Engr. No. 3584

In reply to Public Dept. Letter No. 3072 dated 4th Oct. 1867

Irrigation 5

Public Works Department.

3072

No. 3072 13

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 4th Oct. 67

Read the following

From the Consg Engineer

I. & C. Comp.y

(Here enter No. 84 dated 26 Augt. 1867

On the 6th August 1866 a sum of Rs: 1000 was sanctioned by Government for expenditure by the Madras Irrigation and Canal Company in gauging the discharge of the Chittravutty river in connection with the Perrapully reservoir, and in making trial borings at the site of the proposed dam, upon the understanding that the work was to be completed within one year.

2 In the foregoing papers it is explained that

From

from one cause and another, little or no, progress has yet been made towards obtaining the necessary data, although the expenditure has exceeded Rs: 800; and it is stated that a sum, nearly equal to what has already been spent, is still required for the purpose.

3 In expressing their regret that so much valuable time should have been lost, the Govt: are constrained to observe that the Chief Engineer's explanation now before them does not reflect credit upon the arrangements made by him and his subordinates; and, while sanctioning the additional sum of Rs: 600 now applied for, they trust that the operations will soon be brought to a successful termination, without any further outlay being found necessary.

4 The Chief Engineer's particular attention should be drawn to the Consulting Engineer's remarks regarding the disposal of the boring tools on the completion of the observations in connection with the Chittravutty river.

M.

4 to Supdg Engr
4 " Manager.

Mad. 5/10/67

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P. W. 1867. Department.

Proc: of Govt: for October

No. 3072

PROCEEDINGS OF GOVERNMENT. of Madras

Dated 4th October 1867

Sanctioning the remarks
an additional Sum of Rs. 600
for expenditure by the Madras
Irrigation and Canal Company
in gauging the discharge of the
Chittravatty River in connection
with the Purnapully Reservoir

No. 52-53