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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1472 Press ~~Mis.~~

89-90.

Dated 6-8- 1864.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 6th August 1861.

No. 89. Read the following letter from Lieutenant-Colonel W. I. BIRDWOOD, Deputy Chief Engineer in charge of Central Office of Public Works, to J. D. SIM, Esq., Secretary to Government, dated Chepauk, 17th July 1861, No. 2,829:—

SIR,

1 Letter from District Engineer Vizagapatam, No. 133, dated 23rd May 1861.
1 Estimate, 1 Report, 1 Statement, 1 List, 6 Plans, &c.

1. I have the honor to submit the accompanying plans and estimates, amounting to Rupees 12,000, received from the District Engineer for a small project of irrigation in the Gólkonda Táluq of the Vizagapatam District.

2. The project which has been under investigation for a long time, has been thoroughly examined and revised by the present District Engineer, Major Shaw Stewart, who states that the estimates provide fully and liberally for every part of it.

3. It consists of an Anicut based on solid rock across a small mountain torrent called the Gabbada river, which rises in the range of hills bounding the western part of the Vizagapatam District, and after flowing past the town and Military post of Nursapatam, falls into the river which crosses the Trunk Road at Púlumpurtee, and discharges itself into the sea near Wolada. This river is made good use of for irrigation purposes, channels being taken off from it at several points in its course. But it can be still further turned to account, and the present project is to secure water from the feeder which passes through the upper part of the Gólkonda Táluq.

4. The estimate now submitted provides for an Anicut with its attendant head and under sluices and the main channel leading to the principal tank requiring to be supplied.

5. The Anicut will consist of a plain wall 162 feet long with an average height of 6 feet, and being based on the solid rock, requires no apron to receive the over-fall except in one spot where there is a deep and narrow cleft in the rock. There are two under-sluices with vents 6 × 3 in the body of the work.

6. The highest flood rises to a height of 5′-10″, and the average flood to about 2½ feet above the proposed crest of the Anicut. The duration of the river at this height is reckoned at 150 to 200 hours during the year, and its discharge at about 1½ million cubic yards per hour.

7. Throughout the three monsoon months of the year, the discharge is reckoned at about ¼ million cubic yards per hour.

8. The head sluice consisting of 3 vents each, 8′ by 4′ is calculated to deliver 80,000 cubic yards per hour.

9. The total length of the channel is three miles, with a minimum section of 30 square feet, and a total fall of 13½ feet (the total fall between the ends of the canal), but this fall is corrected by drops at the tank through which it passes.

10. The existing wet cultivation under the tanks is about 250 acres, but when the project is carried out, 300 acres of dry land will be converted into wet, and 200 acres of waste will also be brought under wet cultivation.

11. The inhabitants of eight villages have agreed to increase their rents by Rupees 2,538, which alone on the expenditure of Rupees 12,000 will be 21 per cent. independent of the saving in remission.

12. The District Engineer is also confident, that the cultivation will extend greatly beyond the above mentioned amount, as there are about 2,000 acres which can be brought under the influence of the channel.

13. The people, however, are so disheartened by the delay which has occurred in carrying out the project, which they have been long expecting, that they do not readily supply information as to the extent of cultivation likely to ensure.

14. In addition to the benefit as an irrigating work, the channel will supply drinking water to the inhabitants and cattle at Nursapatam and the adjacent villages, which now in season of drought are very badly off.

15. The District Engineer proposes ultimately to construct a new tank above Nursapatam, as the present tanks have become greatly filled up, but he does not bring this forward as a necessary part of the project, as the tanks are sufficient for existing wants.

16. There is no doubt that this little work is much required and will prove of great benefi to the country affected, as well as remunerate the Government for the outlay, and as it is one eagerly looked for by the people, I would beg to recommend it for immediate sanction, providing for its execution from the reserve fund of the current year.

17. The estimate and plan have been duly examined in this Office and found correct.

Proceedings of the Madras Government, Public Works Department, 6th August 1861.

No. 90. ORDER THEREON, 6th August 1861, No. 1,472.

1. As it appears from this letter that the project therein referred to, which it is stated is one eagerly looked for by the people, will prove highly beneficial to the country, as well as remunerative to the Government, sanction is granted for its immediate execution at the estimated cost of Rupees (12,000) twelve thousand, the amount to be defrayed, as proposed in paragraph 16, out of the reserve fund of the current year.

2. The project ought to have been submitted by the Central Office to the Board of Revenue for their opinion, as required by Section 35 of Chapter 5 of the new Code.

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

Central Office P.W. 3
Chepauk. 1st July 1861

No. 2829

From

Lieutenant Colonel W. I. Birdwood
Dy. Chief Engineer in charge
Central Office P.W.

To

J. D. Sim Esqr.
Secretary to Government P.W.D.
For't Saint George.

Public

Sir.

I have the honor to submit the accompanying Plans and Estimates amounting to Rupees 12,000 received from the District Engineer for a small project of Irrigation in the Golgonda Talook of the Vizagapatam District.

2 The project which has been under investigation for a long time has been thoroughly examined and revised by the present District Engineer Major Shaw Stewart, who states that the Estimates provide fully and liberally for every part of it.

Enclo: 11.
1 Letter from Dist. Engineer Vizagapatam
No. 133 dated 28th May 1861
1 Estimate
1 Report
1 Statement
1 Plan
1 Plan

3

It consists of an Annicut based on solid Rock, across a small Mountain Torrent, called the Gabbada River, which rises in the Range of Hills bounding the Western part of the Vizagapatam District, and after flowing past the Town, and Military post of Nursapatam, falls into the River, which crosses the Trunk Road at Poolumpuntee, and discharges itself into the Sea near Kotada - This River is made good use of for Irrigation purposes, Channels being taken off from it at several points in its course. But it can be still further turned to account, and the present project is to secure water from the feeder, which passes through the Upper part of the Golgonda Talook -

The Estimate now submitted provides for an Annicut with its

its attendant Head and under Sluices, and the main Channel leading to the principal Tank requiring to be supplied.

5 The Annicut will consist of a plain Wall 162 feet long with an average height of 6 feet, and being based on the solid Rock, requires no apron to receive the overfall, except in one spot where there is a deep and narrow cleft in the Rock. There are 2 Under Sluices with vents 6×3 in the body of the work.

6 The highest flood rises to a height of 5-10, and the average flood to about 2½ feet above the proposed crest of the Annicut. The duration of the River at this height is reckoned at 150 to 200 hours during the year, and its discharge at about 1½ million Cubic yards per hour.

7 Throughout the 3 monsoon months of the year the discharge is reckoned at about ¼ million Cubic

3 Cubic yards per hour.

8 The Head Sluice consisting of 3 Vents, each 8' by 4' is calculated to deliver 80,000 Cubic yards per hour.

9 The total length of the Channel is 3 miles, with a minimum section of 30 Square feet, and a total fall of 13½ feet (the total fall between the ends of the Canal) but this fall is corrected by drops at the Tank through which it passes.

10 The existing wet cultivation under the Tanks is about 250 acres, but when the Project is carried out, 300 acres of dry land will be converted into wet and 200 Acres of waste will also be brought under wet cultivation.

11 The inhabitants of 8 Villages have agreed to increase their Rents by Rupees 2538, which alone on the expenditure of Rupees 12,000 will be 21 per cent independent of the saving in remissions.

12 The District Engineer is also confident that the cultivation will extend greatly beyond the above mentioned amount, as there are about 2,000 acres which can be brought under the influence of the Channel.

13 The people however are so disheartened by the delay which has occurred in carrying out the Project, in which they have been long expecting that they do not readily supply information as to the extent of cultivation likely to ensue.

14 In addition to the benefit as an Irrigating Work, the Channel will supply drinking water to the inhabitants and cattle at Nursipatam and the adjacent Villages, which now in season of drought are very badly off.

The

15 The District Engineer proposes ultimately to construct a new Tank above Nursipatam, as the present Tanks have become greatly filled up - but he does not bring this forward as a necessary part of the project, as the Tanks are sufficient for existing wants.

16 There is no doubt that this little work is much required, and will prove of great benefit to the Country affected, as well as remunerate the Government for the outlay, and as it is one eagerly looked for by the people I would beg to recommend it for immediate sanction providing for its execution from the Revenue Fund of the Current year.

17 The Estimate and Plan have been duly examined in this Office

Office and found correct.

I have the honor to be
Sir
Your most Obed.t Serv.t

Lieu.t Coll.
Deputy Chief Engineer in charge
Central Office P.W.

Central Office P.W.
Chepauk.
15th July 1861

Capt.
A.A.G. Ch. Engr. Circle.

To
J. D. Sim Esqr.
Secretary to Government P.W.D.

E. M. Fortes

Pro 5th April 60 No 84
85.
9-12-25 B111

No 89 + 90.

C. 30 July & 2d aug.

Pro 18 61 Sept
From Govt for August
No 1667.

The Dy Chief Engineer
in ch & Officio &c

To

J Silin Esqr

Secretan 1st Govt Ord

Dated 1 July 1861
Rec'd 26 July
Answd No 2829
Copy sent and recon.
mended for sanction

Plans and Estimates
amounting to Rs 12,000
for constructing an Anicut
across the Cubbada
River in the District
of Vizagapatam

With an Order
No 1172. 6 aug

No 1172.

As it appears from this letter that the Project therein referred to, which it is stated is one eagerly looked for by the people, will prove highly beneficial to the Country, as well as remunerative to the Government, sanction is granted for its immediate execution at the estimated cost of Rupees 12,000 Twelve Thousand, the amount to be defrayed, as proposed in para 16, out of the Reserve Fund of the current year.

The Project ought to have been submitted by the Central Office to the Board of Revenue for their opinion, as required by Section 35 of Chapter 5 of the new Code.

From Govt 6 aug 1861
13 Copies Chief Engineers with 11 Encls Cir No 1
14 " " Board of Revenue
3 " " Accountant General No 7
3 " " Civil Paymasters