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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 647 Press Mis.

24-25.

Dated 1-4- 1862.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 1st April 1862.

No. 24. Read the following letter from Lieutenant-Colonel F. H. RUNDALL, Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government in the Department of Public Works, dated Fort Saint George, 22nd March 1862, No. 98 :—

SIR,

1. I have the honor to forward the Progress Report of the Company's operations for the quarter ending 31st January 1862.

2. The work executed on the estimate for the first portion of the 1st Section of the Main Canal amounts to 4,61,463 cubic yards of excavation and 5,33,235 cubic yards of embankment, the former costing Rupees 92,178-11-11, the latter Rupees 78,658-8-0.

Of the masonry works in that distance thirteen are in hand, and an expenditure of Rupees 10,190-13-2 incurred thereon, while 6,079 cubic yards of rubble have been built. The total expenditure on this estimate of Rupees 4,60,000 amounts to Rupees 2,92,920-12-5 and the rates during the present quarter are the same as those allowed in the estimate, viz., Annas 3-2 for excavation, and Annas 2-4 for embankment. Those for the masonry work, as gathered from the monthly Progress Reports of the Engineers, are Rupees 2-8-0 for rubble masonry, and Rupees 4-8 for cut stone, the estimated rates being Rupees 2-8-0 and 7-8-0 respectively.

3. On the Hindri Aqueduct 2,317 cubic yards of rubble and 46 cubic yards of cut stone had been built, and the centerings for the arches put in hand. A total expenditure of Rupees 8,409-8-8 has been incurred ; the rubble masonry averaging Rupees 2-2-2 per cubic yard, the allowance in the estimate being Rupees 2-8-0.

4. The foundations of the northern abutments and six piers have been laid without difficulty, but some trouble is being met with in the excavation of the other piers owing to the presence of a large quantity of water.

5. At the Anicut the excavation for the foundations has been nearly completed. The masonry and concrete filling have been commenced over a length of 218 yards, and an abundance of materials collected. The foundation and wing walls of the under sluices and a portion of the southern branch of the Anicut has been given out on contract. Some delay was experienced in the beginning of January owing to an unexpected fresh in the river, but no injury was sustained to any of the masonry which had been commenced.

6. On the second and third portions of the 1st Section or from the 18th to the 44th mile ground was only broken on the 21st January 1862, and therefore a small expenditure only had been incurred.

7. The Hospital at Kurnool has been finished with the exception of mats for the verandah covering. The cost of this work has not been given as the expenditure had not all been adjusted.

The number of laborers during the past quarter has fluctuated somewhat, partly owing to a panic which arose from a report which had gained currency, that human sacrifices were to be made at the Anicut prior to its commencement. The number of laborers in the month of November are stated to have been 16,945, but the total number in January has not been given in all the Engineers' reports.

9. In the Bowanassy Division, plans and estimates have been sent in for the branch channels to irrigate the land west of the Bowanassy ; and the line of the Main Channel itself as far as the 72nd mile marked out ready for commencement as soon as the sanction of Government has been received thereto.

10. In the Kundár Division, the Main Canal has been marked out from the cutting at the water-shed to Nundial, and contour levels run from thence for 30 miles, as far as Bojanum, down the Kundár Valley to the crest of the water-shed between the Kundar and its principal feeder the Vaikulaur, with a view to carrying the Canal along it and then dropping it into the Kundár at the junction.

The levels for the main distribution Channel have likewise been carried from Tuodacherla to the westward.

11. In the Pennár Division the surveying having been completed, the plans and estimates only have been in course of preparation.

12. The following estimates were received during the quarter :—

Revised estimate of the Hindri Aqueduct;

Estimate for the out-houses of the Central Hospital;

Fourth and fifth portions of the 1st Section;

Estimate for the irrigating Channels and Sluices;

but my absence from the Presidency prevented any of them being submitted until last month.

No. 25. ORDER THEREON, 1st April 1862, No. 647.

From the above report the Government learn that the work of the 1st Section of the Main Canal is being executed at the estimated rates as respects excavation and rubble masonry, and at considerably less than the estimate for cut stone work; that fair progress had been made at the Anicut and Hindri Aqueduct works; and that ground had been broken on the second and third portions of the 1st Section on the 21st January 1862. Further that the Hospital at Kurnool had been completed. The plans and estimates for the remainder of the Canal as far as the 72nd mile are now under the consideration of Government.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government.

Consulting Engineer's Office
Irrigation & Canal Company
Fort St. George 22 March 1862

No. 98

Sir

Lieut.-Colo. H. Rundall
Consulting Engineer for I. & C. Co.

To

The Secretary to Government
in the Dept. of Public Works.
Fort St. George

Sir

I have the honor to forward the Progress Report of the Company's operations for the Quarter ending 31st January 1862.

2 The work executed on the Estimate for the first portion of the 1st Section of the Main Canal amounts to 1,61,463 Cubic yards of excavation and 533,235 Cubic yards of Embankment. The former costing Rs. 92,178-11-11. The latter Rs. 78,658-8-0.

Of the Masonry works in that distance 13 are in hand, and an expenditure of Rs. 10,190-13-2 incurred thereon, while 6079 Cubic yards of Rubble have been built. The total expenditure on this Estimate of Rs. 1,60,000 amounts to Rupees 2,92,920-12-5 and the rates during the present quarter are the same as those allowed in the Estimate Viz. annas 3-2- for excavation & annas 2-4 for Embankment. Those for the Masonry work as gathered from the Monthly Progress Reports of the Engineers, are Rs. 2-8- for Rubble Masonry & Rs. 4-8-. for Cut Stone the Estimated rates

rates being Rs. 2-8-0 & 7-8-0 respectively.

3- On the Hindri Aqueduct 2317 cubic yards of Rubble & 56 cubic yards of bent stone had been built and the centerings for the arches put in hand. A total expenditure of Rs. 5109-5-6 had been incurred, the Rubble Masonry averaging Rs. 2-2-9 per Cubic yard the allowance in the estimate being Rs. 2-8-0

4 The foundations of the northern abutment and 6 Piers have been laid without difficulty but some trouble is being met with in the excavation of the other Piers owing to the presence of a large quantity of water.

5 - At the Anicut the excavation for the foundations has been nearly completed. The masonry & concrete filling have been commenced over a length of 218 yards & an abundance of materials collected. The foundations & floor of the under sluices & a portion of the Southern branch of the Anicut have been covered on contract. Some delay was experienced in the beginning of January owing to an unexpected Fresh in the river but no injury was sustained to any of the Masonry which had been commenced.

6. On the 2 & 3rd portions of the 1st Section from the 18th to the 44th mile ground was only broken on the 21st. Sept/12 & therefore as yet little expenditure only had been incurred.

7. The Hospital at Kurnool has been finished with the exception of mats for the Verandah covering. The cost of this work has not been given as the expenditure had not all been adjusted.

8 The number of laborers during the past quarter has fluctuated somewhat, partly owing to a panic which arose from a Report which had gained currency that human sacrifices were to be made at the Anicut prior to its commencement. The number of laborers in the months of November are stated to have been 1,945. but the total number in January has not been given in all the Engineers Reports.

9- In the Bowanasy Division Plans & Estimates have been sent in for the Branch Channels to irrigate the land west of the Bowanasy & the line of the Main Canal itself as far as the 72nd mile marked out ready for commencement as soon as the sanction of Government has been received thereto.

10 In the Kundar Division the Main Canal has been marked out from the cutting at the watershed to Nundial, and contour levels run from thence for 30 miles, as far as Bganum down the Kundar valley to the crest of the watershed between the Kundar & its principal feeder

the

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Estimate for the out houses of the Central Hospital

1. & 5 Portions of the 1st Section

Estimate for the Irrigating Channels & Sluices.

but my absence from the Residency prevented any of them being submitted until last month.

I have the honor to be
Sir
Your most obedt Servant

F. W. Rundall Lieut Col.
Consulting Engr for P.W.D.

Compd
C.S.

18th Feby. /62 No. 280 - 287.

Copy un a Letter to Govt.
& /21st Jany 1862 No. 96.

Govt. Civil Works 1862 Dept.
Progress Report for March
No. 864

The Consulting Engineer
for S.W.C.
&c.
&c.

The Secretary to Govt.
in the Dept. of P. Works
Fort St. George

Dated 22d
Rec. 24th March 1862
Written Ans. Returned No. 98.

Submits for the information of Govt. the Progress Report of the Company's operations for the Quarter ending 31st January 1862.

No. 647.

From the above report the Govt. learn that the work of the 1st Section of the Main Canal is being executed at the estimated rates as respects Excavation and rubble Masonry, and at considerably less than the estimate for cut stone work; that fair progress had been made at the Anicut and Hundred aqueduct works; and that ground had been broken on the 2nd and 8th portions of the 1st Section on the 21st January /62. Further that the Hospital at Kurnool had been completed. The plans and Estimates for the remainder of the Canal as far as the 72 Mile are now under the consideration of Government.

4 Copies
To The Consulting Engr & Col Cosby with Plans.
4 " Agent " " Depy Do
Fort St. George 1st April 1862.

No. 2408.

Write an order
No. 647 - 1st April