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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	<u>556</u>	Press ~~Mis.~~
Dated	<u>28-3-</u>	<u>1862.</u>

Not to be folded or roughly handled

(11)

*Proceedings of the Madras Government, Public Works Department,
25th March 1862.*

No. 447. Read the following letter from Lieutenant-Colonel J. CARPENDALE, Acting Deputy Chief Engineer, Central Circle, to Lieutenant-Colonel W. H. HORSLEY, Secretary to Government, Public Works Department, dated Chepauk, 1st March 1862, No. 11,074:—

SIR,

I have the honor to forward for the information of Government special Progress Reports for the months of December and January last, on the Pálar Anicut Projects in the North Arcot District. The progress appears satisfactory, but it is not probable that any additional funds will be required during the current year as was thought probable in Order of Government No. 257, 19th February 1862, paragraph 14, but there is a wide field for useful expenditure from the one per cent. Income Tax in addition to the amounts provided in the Budget of 1862-63 if the expenditure is not limited to any particular time.

Special Progress Report, dated 23rd January 1862, with one enclosure.
Do. do., dated 19th February 1862, with one enclosure.

Special Report on the Pálar Anicut Project for the month of December 1861.

Southern Bank.—There has been a small expenditure of Rupees 53 on the 2nd Section in completing the branch Channel from Cudapentangle to Palcyathangul. Work has been carried on in the 3rd Section, on the Channel from Randam Chittairy to Moranum tank, but the work-people went away on account of the prevalence of Cholera, so that the work done was not measured and paid for. On the 4th Section there has been expended only Rupees 22 on superintendence; but the Channel from Arumbarti to Chengathancolum has been worked out; that from Papentangle to Jadairy Chittairy is nearly completed, there being some rock still left, and work has been put in hand, on the Channel from Caganum to Chittatur tank, which had been delayed on account of growing crops.

An Estimate has now been sent in by Mr. O'Hara for improving the Doosy main Channel as far as the Aivadytangle tank, this amounts to Rupees 17,000. Mr. O'Hara is also preparing an Estimate for extending the same Channel, to supply the Doosy tank, and other tanks in a further easterly direction. It had been proposed to throw the water from Aivadytangle into the Nelli tank, and thence into the large Doosy tank; but in order to command the country beyond the latter, Mr. O'Hara has selected a line of Channel along the higher land to pass south of the Doosy tank, which it will supply and still carry on the water on a higher level than the large tank for the benefit of others beyond.

North Bank.—The expenditure during the month has been Rupees 4,315. Mahindravaddi Channel. The excavation has been completed as far as the Vutlumbaukum tank, so far as cutting the Channel down to the required levels, removing loose stones and minor blocks of rock, and the stone revetments below the Poondy village, and below the Musery tank have considerably advanced. The barriers of rock in the bed of the Channel are the great obstacles; that close below the Poondy tank is nearly brought down to the level of high water in the tank; but there are two others between the villages of Musery and Vutlumbaukum, which it would be too great labor and too costly to remove. Pits have been dug which show that the masses of stone obstruct only the actual line of Channel, and orders have therefore been given to divert the course of the Channel round them. The expenditure on the Channel has been Rupees 2,256.

Estimates have been prepared amounting to Rupees 5,400 for sluices and masonry escapes to distribute the water in the length of the Channel into the different tanks where there have been hitherto natural water courses.

Mahindravaddi tank. — South Calingula.—The expenditure in the month has been Rupees 813. The body wall of the Calingula has been completed, and the wing walls built to the height of 6 and 8 feet, the stone apron has been constructed 2½ feet high. The work is expected to be completed in February.

*Proceedings of the Madras Government, Public Works Department,
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North Calingula.—The expenditure in the month has been Rupees 1,245. Work in stone and chunam has been executed to the extent of 1,200 cubic yards, on the body of the work and wing walls; while the foundations have been carried on for the rear retaining walls. A sum of Rupees 8,000, has been sanctioned for preparing materials for the Anicut bridge, and enlarging the head sluices. A sum of Rupees 17,000 is estimated as that required to widen the Mahindravaddi Channel below the Poody tank, and take a new line for the supply of the Cauveripauk tank, through the Chinnaasamudrumtangle to join the present Cauveripauk Channel, at a point below the Division sluices of the Govindavady Channel, so as to leave the latter entirely to the Madras District.

The ground is being surveyed below the Mahindravaddi tank towards new Channels being dug for the distribution of the increased store of water that the tank will in future hold.

NORTH ARCOT,
DISTRICT ENGINEER'S OFFICE,
CAMP PANATOLUM,
23rd January 1862.

(Signed) H. L. PRENDERGAST, Captain,

District Engineer North Arcot.

Special Report on the Palár Anicut Project for the month of January 1862.

The total expenditure during the month has been Rupees 4,656.

South Bank.—On the 1st section of branch Channels, there has been expended Rupees 300-2-5, in finishing up the two Channels leading from Essianoor tank, and from Polevalum Chittairy; so as to complete the works of this section, according to the instructions given by Lieutenant-Colonel Boileau. On the 2nd Section, payment has been made of Rupees 266-15-1, in completing the branch Channels to the Nagaleri and Kurkuntangle tanks; and the work of this Section is brought to a close. On the 3rd Section the expenditure has been Rupees 694-6-1, and the works of this also are completed, with the exception of one Channel from Random Chittairy by Malbuderu to Moranum tank, which is on an estimate of Rupees 4,000 that has been added to the original works of the Section, by Colonel Boileau's orders on the spot. On the 4th Section, there has been expended Rupees 2,086-5-7 in cutting the Channel from Arumbarti tank to Chengatangolum, and completing that from Papentangle to Jadairy Chittairy. There remain to be worked out the two last Channels on the List.

The Estimated amount for these four sections was Rupees 16,005, of which the expenditure has been Rupees 14,892; and there remains only one Channel to complete, that from Kaganum tank, estimate Rupees 410. The total of estimate is raised to Rupees 20,100 by the estimates of 4,000 and 95 subsequently ordered by Colonel Boileau, and the works of which are still in progress.

An estimate of Rupees 17,500 has been submitted for repairing and improving the Doosy main Channel, from the Anicut as far as Iyvadytangle, on which if sanctioned, some work may probably be carried out in the present year. The Estimate for extending the same Channel to the Doosy tank, and to other tanks beyond that again in an easterly direction, is still in preparation.

North Bank.—The expenditure has been Rupees 1,348-2-5, but this does not at all represent the amount of work done; there being much work on contract not paid for as yet.

Mahindravaddi Channel.—The list of figures gives the amount of excavation; there having been two Native festivals in the month, many of the work-people absented themselves, and thereby diminished the results of the month's work. Nearly all the excavation of earth and gravel is done, while the removal of the rock is still a tedious process. Work has been going on in cutting round the two barriers of rock between the villages of Musery and Vullumbaukum, which were found to be of too great extent to be removed. Explanation has been asked regarding the Estimates amounting to Rupees 5,400, furnished in January, for masonry works required along the line of Channel, this will be given satisfactorily; as I think the Estimates provide all that is necessary for the natural drainage, for the supply of the different tanks, and for maintaining the present sources of irrigation.

*Proceedings of the Madras Government, Public Works Department,
25th March 1862.*

Mahindravaddi Tank.—*South Calingula.*—The body wall of the work is complete, with an under-sluice; the main work of the apron is completed excepting one upper layer of rough dressed stone, and the wing walls are raised to their full height. No payment is shown on this work, but it is expected to be all done in next month.

Mahindravaddi Tank.—*North Calingula.*—The expenditure on this work has been Rupees 1,048-3-10, and 1,000 cubic yards has been laid of stone in chunam to the body and retaining walls. The full height is given to the work at the north end, the foundation of which rests on rock several feet higher than the bed at the other end, the wing walls have been raised with the body, and the several rear retaining walls and aprons are proportionately progressing. This work should be completed in another month.

Of the 8,000 Rupees allotted for the preparation of materials for the Anicut bridge and head sluices, Rupees 271-14-7 has been actually paid; but about four lacs of bricks have been moulded so as to be ready for burning; some 200 bandy loads of firewood have been brought in, and a quantity of lime stone collected.

A sum of Rupees 17,000 has been estimated for widening the Mahindravaddi Channel below Poondy tank to join again the old Cauveripauk Channel; it appears also necessary to prepare further Estimates for the widening of the bund of the Poondy tank, to admit of the road to Trunk Road, No. I, being taken over it, and also to build a bridge over the widened Channel.

Survey and Estimates are in preparation for cutting Channels for the supply of different tanks lying below the Mahindravaddi large tank.

NORTH ARCOT
DISTRICT ENGINEER'S OFFICE,
ARCOT, 19th February 1862.

(Signed) H. L. PRENDERGAST, Captain,

District Engineer North Arcot.

No. 418.

ORDER THEREON, 25th March 1862, No. 556.

Ordered to be recorded.

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

Deputy Chief Engineer's Office &c.
Chepauk 17th March 1862. 5th
N^o 11074.

Public.

From,
Lieutenant Colonel J. Carpendale,
M. Dy Chief Engineer, Central Circle,
Lieutenant Colonel M. H. Morsley
Secretary to Government P. W. D.
Fort St. George.

Sir,

Enclosures. 4.
1. Special Progress
for the month of
December
1861. 42/11th
1861/12 with
1 enclosure.

I have the honor to forward for the
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for the Months of December and January last on the
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ture from the one per Cent income tax in addition to
the amounts provided in the Budget of 1862-63

if

if the expenditure is not limited to any particular
time.

Chepauk —
14 March/62 }

I have the honor to be
Sir,
Your Most Obedt Servant

Yours truly
Lieut Colonel
A. D. Chief Engineer C. B.

To,

Lieut Colonel W. H. Morsley
Secretary to Government P. W. D.
Fort St George

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