MRO 1—77,006—8-6-37.

(1) Number of pages 22

(2) Date of repair 17.10-42.

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3415 Press / ~~Mis.~~

581-582

Dated 29 - 11 - 1864.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 29th November 1864.

No. 581. Read the following letter from Colonel A. J. M. BOILEAU, R. E., Superintending Engineer, 4th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 16th November 1864, No. 4,064 :—

SIR,

1. With reference to paragraph 5 of G. O. No. 3,359, dated 18th November 1863, I have the honor to submit a Statement of the expenditure incurred under the sanctioned estimate, 1 Statement. Rupees 8,66,144, for the Palar Anicut project in the North Arcot and Madras Districts, up to the 30th September 1864.

2. Efforts have been made to compile a complete list of all the works undertaken in connection with the project, from the commencement of operations in 1851, but as the requisite details cannot be traced among the records of the late District Engineer's Offices, I am only able to furnish a list of those works on which there has been expenditure since the 1st May 1862.

3. The outlay up to the 30th April 1862, amounted to Rupees 5,95,187-2-9, and subsequent to that date there has been an expenditure of Rupees 2,31,635-11-9. The total amount therefore laid out up to the 30th September 1864, is Rupees 8,26,822-14-6, or Rupees 39,321-1-6 less than the sanctioned estimate.

Districts'	Expenditure.				Total.
	Up to 30th April 1862.	In 1862-63.	In 1863-64.	Up to 30th September 1864	
	Rs A P.	Rs. A. P.	Rs. A. P.	Rs A. P	Rs A P
North Arcot...	5,35,926 6 7	59,819 9 9	80,732 3 5	11,665 3 7	6,38,143 7 4
Madras	59,260 12 2	76,800 12 3	48,298 9 3	4,319 5 6	1,88,679 7 2
Total ...	5,95,187 2 9	1,36,620 6 0	79,030 12 8	15,984 9 1	8,26,822 14 6

4. Of this balance Rupees 30,618-6-11 will be required for the completion of sanctioned works under progress, and the remainder Rupees 8,702-10-7 I propose to appropriate for the execution of other works connected with the project in the Madras District, for which estimates will in due course be submitted early next year.

5. As respects the adjustment of the above mentioned expenditure Rupees 8,26,822-14-6, there remains to be accounted for by bills Rupees 18,422-12-0, viz. :—

				Rs.	A.	P.
North Arcot, for the year		1862-63 ..	... ...	3,387	14	6
Do.	do.	1863-64...	... ...	5,084	6	7
Do.	do.	1864-65...	... ...	8,751	3	8
Madras,	do.	do. ...	... ...	1,199	3	3

6. Instructions have been sent to the Range Officers concerned to expedite the submission of the necessary vouchers connected with these outstanding balances for the official years 1862-63 and 1863-64, after the receipt and disposal of which, there will be only this year's expenditure to adjust.

No. 582. ORDER THEREON, 29th November 1864, No. 3,415.

Ordered to be recorded.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin.

Statement of the Expenditure already incurred upon the sanctioned Estimate for the Palar Anicut Project in the North Arcot and Madras Districts and of the Cost of the work still remaining to be carried out.—

Description of work.	Amount of Estimate.	By whom sanctioned & date of sanction	From the Commencement of the work in 1857 to end of the year 1862.	Expenditure In 1862/63	Expenditure In 1863/64	Expenditure May to September 1864.	Expenditure Total	Cost of work still remaining to be carried out	Remark
1	2	3							
North Arcot									
Expenditure on works Connected with the Palar Project	493885	Gt. No. 1667 - 20th December 1857.	5,35,926 6 7	" " "	" " "	" " "	" " "		
Constructing a Calingalah to Malaboothary Tank	225	Gt. " 778 - 27th March 1863	" " "	" " "	" " "	" " "	" " "		
do do to Masenaiken Tangle	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Nagalary	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Chennalary	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Carogan Tangle	225	do	" " "	" " "	51 5 4	" " "	51 5 4		
do do to Moramun	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Chittaire	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Poolunday Chittaire	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Arathivellore Tangle	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Chittaire	225	do	" " "	" " "	" " "	" " "	" " "		
do do to Pavalay	225	do	" " "	" " "	225 " "	" " "	225 " "		
do do to Ponnapen Tangle	225	2700 do	" " "	" " "	225 " "	" " "	225 " "		
Excavating branch Chamel to Chuckra-Mulloor Tank	145	Gt. No. 1612 - 20th June 1863	" " "	63 12 7	" " "	" " "	63 12 7		
do do to Paupary Tank	190	do	" " "	" " "	91 10 4	" " "	91 10 4		
do do to Coormintangle Tank	45	do	" " "	29 1 "	" " "	" " "	29 1 "		
do do to Moolwady Tank	30	do	" " "	15 4 3	" " "	" " "	15 4 3		
do do to Irumbakum Tank	1160	do	" " "	317 2 9	543 9 4	" " "	860 12 1		
do do to Chittaire do	70	do	" " "	51 13 10	" " "	" " "	51 13 10		
do do to Maichauri do	90	1730 do	" " "	" " "	89 12 8	" " "	89 12 8		
Carried Over		498315 1730	5,35,926 6 7	477 2 5	1226 6 8	" " "	1703 8 1		

Statement of the Expenditure already incurred upon the sanctioned Estimate for the Palar Anicut Project in the North Arcot and Madras Districts and of the Cost of the work still remaining to be carried out.—

Description of work.	Amount of Estimate.	By whom sanctioned & No. and date of sanction	Expenditure from the Commencement of the work in 1861 to end of the year 1862.—			In 1862/63			In 1863/64			May to October 1864.			Total			Cost of work still remaining to be Carried on			Remark
	1	2	3			4			5			6			7			8			9
Brought forward	53,580		5,35,926	6	7	4,367	"	9	5,458	"	6	943	13	7	10,768	14	10				
Cutting Branch Chamel from Dusi main Chamel to Therupanamoor Tank	2,600	Dt. No. 1373 - 29th May 1863	"	"	"	"	"	"	1,492	3	11	143	7	7	1,635	11	6				
Cutting Chamel from Pulinday Chittary to Arumburthy	2,150	do 1502 - 11th June 1863	"	"	"	1,464	5	2	622	4	10	201	"	"	2,287	10	"				
Constructing a bridge and sluice over the Curcantangle Chamel	500	do 352 - 11th February "	"	"	"	352	6	9	211	11	"	"	"	"	564	1	9				
——do—— Masonry falls and sluices to the Moolwady and Coomothan Tanks	800	do 690 - 20th March 1863	"	"	"	173	1	5	314	15	8	"	"	"	488	1	1				
——do—— bridge & sluice over the Chuckramellur and Paipairy Tanks	1,000	do 325 - 9th February 1863	"	"	"	747	14	7	273	3	11	"	"	"	1,021	2	6				
——do—— Masonry falls and sluices to the Arumbakum large tank	630	do 773 - 27th March "	"	"	"	105	11	5	524	10	4	"	"	"	630	6	9				
Cutting Chamel from Manapakum to Permattur	360	Dt. Engr. ... 21st Jany. "	"	"	"	167	12	9	27	2	3	"	"	"	194	15	"				
——do—— from Cudapantangle sluice to Dusi main Chamel	300	Lr. No. 1402 - 2nd June "	"	"	"	40	"	"	252	8	"	"	"	"	292	8	"				
——do—— from Mahindravady head sluice to the Pundy Tank	17,700	do No. 1180 - 9th May "	"	"	"	10,339	5	3	3,648	1	8	"	"	"	13,987	6	11				
Constructing southern Caluigulah to Mahindravady Tank	2,800	do 2200 - 5th Augt. "	"	"	"	779	14	2	285	"	"	"	"	"	1,064	14	2				
Completing parapett walls to the Mahindravady Cauveripauk and Dusi Head Sluice	6,000	Dt. E. No. 182 - 19th Novr. 1862	"	"	"	5,153	10	11	642	14	10	"	"	"	5,796	9	9				
——do—— rear Apron to the Palaur Anicut	2,000	do do do	"	"	"	1,765	9	1	229	11	"	"	"	"	1,995	4	1				
——do—— Cauveripauk Chamel	2,570	Lr. No. 2790 - 25th Sept. 1863	"	"	"	861	13	10	996	10	2	"	"	"	1,858	8	"				
——do—— Govindavady Chamel	19,000	do 2051 - 25th July "	"	"	"	8,612	6	5	2,073	10	"	"	"	"	10,686	"	5				
Carried Over	58,9990		5,35,926	6	7	34,931	"	6	17,052	12	1	1,288	5	2	53,272	1	9				

Statement of the Expenditure already incurred upon the sanctioned Estimate for the Palar Annicut Project in the North Arcot and Madras Districts and of the Cost of the work still remaining to be carried out.—

Description of work.	Amount of Estimate.	By whom sanctioned & No. and date of sanction	From the Commencement of the work in 1851 to end of the year 1861-62	In 1862/63	In 1863/64	May to September 1864.	Total	Cost of work still remaining to be Carried on	Remark
1	2	3	4	5	6	7	8	9	10
Brought forward.	58,990		£35,926 6 7	34,931 " 6	17,052 12 1	1,288 5 2	53,272 1 9		
Constructing parapett walls to bridge over the Mahindravady Channel on Trunk Road No. 1.	120	By Lt. No. 1070 - 28th April 1863	" " "	" " "	104 14 11	" " "	104 14 11		
Payments ordered to Cooppana Chetty (Contractor)	4541	do 2621 - 11th Septr. "	" " "	" " "	4,540 13 - 3	" "	4,540 13 3.		
Deepening and widening the Mahindravady Channel from Toondy Tank to western Trunk Road No. 1	6,100	do 699 - 8th March 1864	" " "	" " "	5,633 10 -	464 8 11	6,098 2 11		
Blasting Rock and Completing the Mahindravady Channel from Trunk Road No. 1 to Vullivumbakum	8,800	do 1670 - 25th June 1863	" " "	3,637 8 11	3,400 1 2	1133 8 7	8,171 2 8		
Constructing Palaur Annicut Bridge and Head Sluice.		do - 2304 - 13th Decr. 1861	" " "	8,917 14 3	" " "	" " "	8,917 14 3.		
Cutting Mahindravady Channel	13,320	do - 1928 - 21st Octr. 1862	" " "	4,651 10 2	" " "	" " "	4,651 10 2		
Excavating Channel from Randum Chittary to Malcilvathary	4,500	Chief Engr's No. 1097 - 1st Feby. "	" " "	2,187 12 8	" " "	" " "	2,187 12 8		
Raising Piers of the Palaur Annicut Bridge.	5,200	do 9th Feby. 1863	" " "	5,121 14 9	" " "	" " "	5,121 14 9.		
Carried Over	132,571		£35,926 6 7	59,447 13 3	30,732 3 5	2,886 6 8	93,666 7 4.		

Statement of the Expenditure already incurred upon the sanctioned Estimate for the Palar Amicut Project in the North Arcot and Madras Districts and of the Cost of the work still remaining to be carried out.—

Description of works.	Amount of Estimate	By whom sanctioned & end date of sanction	From the Commencement of the work in 1861 to the year 1862	Expenditure In 1862/63	Expenditure In 1863/64	Expenditure May to September 1864.	Total	Cost of work still remaining to be carried out	Remarks
Brought forward.	632871		535926 6 7	59819 9 9	30732 3 5	11665 3 7	638143 7 4	14727-8-8	
Cutting branch Channel from Pusimani Channel to Pirooparamoor Tank			" " "	" " "	" " "	" " "	" " "	" " "	
Cutting Channel from Palar Amicut to Chuckramullor Tank	2800	G.O. No. 404-9th February 1864	" " "	" " "	" " "	441 1 4	441 1 4		
Constructing Head sluice to the proposed new Channel to Chuckramullor Tank	2,500	do do do	" " "	" " "	" " "	2977 9 8	2977 9 8		
Cutting a Channel from the South sluice of the Tank to Naryantungle tank and Constructing under Sluice	4,900	do No. 1719-13th June 1864	" " "	" " "	" " "	1496 8 6	1496 8 6		
do from the Naryantungle to the Illianellore Tank.	1,600	do do	" " "	" " "	" " "	1000 " "	1000 " "		
do do North Culingulah to the Mahindravady Tank to Balakistnapooram Tank	3,000	do do	" " "	" " "	" " "	533 12 6	533 12 6		
do from the Balakistnapooram to the Kattpauk Palari Tank	1,600	do do	" " "	" " "	" " "	997 13 7	997 13 7		
do from Kattpauk Palari to the Valithanchipooram Tank.	300	do do	" " "	" " "	" " "	" " "	" " "		
do from do to the large Tank of Malari	3,600	do do	" " "	" " "	" " "	1331 15 4	1331 15 4		
Expenditure on Certain works the particulars of which are not now traceable			" " "	371 12 6	" " "	" " "	371 12 6		
Total North Arcot Rs.	652871		535926 6 7	59819 9 9	30732 3 5	11665 3 7	638143 7 4	14727-8-8	

Statement of the Expenditure already incurred upon the sanctioned Estimate for the Palar Amicut Project in the North Arcot and Madras Districts and of the Cost of the work still remaining to be carried out.—

Description of work.	Amount of Estimate	By whom sanctioned & No. and date of sanction	From the Commencement of the work and up to the end of the year 1862.	Expenditure In 1862/63	Expenditure In 1863/64	Expenditure May to September 1864.	Total	Cost of work still remaining to be carried out	Remark
1	2	3	4	5	5	5	5	6	7
Madras District									
Expenditure on works connected with the Palar Project Madras District.	196103	Gt. No. 1667 - 20th Decr. 1851	59260 12 2				59260 12 2		
Kambankal Chamel and Subsidiary work			" " "	76800 12 3	48298 9 3	3717 7 "	128816 12 6		
Restoring the Vadacapett Tank Bund and repairing Subsidiary Masonry works.	1490	Gt. " 2104 - 21st July 1864	" " "			321 14 6	321 14 6		
do tank bund of Voomayavaram Tank	284	" " do	" " "			" " "	" " "		
do Kottavakum Tank	2350	" 1905 - 30th June "	" " "			205 " "	205 " "		
Reconstructing a 9 yards Sluice to do	110	" do do	" " "			" " "	" " "		
Converting 3 Cottahs into a Tangal and Constructing Sluice to do in Cadapentangle near Purvathom Village	460	" do do	" " "			75 " "	75 " "		
Restoring Penthavakum Tank	435	" 2508 - 31st August 1864	" " "			" " "	" " "		
Constructing 9 Yards Sluice to do	110	do do do	" " "			" " "	" " "		
Restoring Melumby Tank	195	do do do	" " "			" " "	" " "		
Constructing 7 Yards Sluice to do	85	do do do	" " "			" " "	" " "		
Restoring Suttumbaukum Tank	133	do do do	" " "			" " "	" " "		
Constructing two Sluices to do	190	do do do	" " "			" " "	" " "		
Restoring Pavayoor Tank bund	1000	do 2537 - 2nd Septr. 1864	" " "			" " "	" " "		
Repairing Callingulah to do	200	do do do	" " "			" " "	" " "		
Constructing 6 Yards Sluice to do	80	do do do	" " "			" " "	" " "		
Constructing 12 Yards Sluice to do	214	do do do	" " "			" " "	" " "		
Improving the Appur Pangle	160	do 2765 - 22nd Septr. 1864	" " "			" " "	" " "		
Constructing 7 Yards Sluice to do	85	do do do	" " "			" " "	" " "		
Improving the Appoor large tank and South Calingulah	1132	do do do	" " "			" " "	" " "		
Constructing 16 Yards Sluice to do	290	do do do	" " "			" " "	" " "		
Improving the Mel Ambir Pangle	233	do do do	" " "			" " "	" " "		
Restoring the Vadakapett Pangle	404	do do do	" " "			" " "	" " "		
Improving the Valayakarance large Tank	660	do do do	" " "			" " "	" " "		
Constructing 7 and 9 Yards Sluices to do	190	do do do	" " "			" " "	" " "		
Improving the Pandvettur tank	390	do do do	" " "			" " "	" " "		
Constructing 8 Yards Sluice to do	99	do do do	" " "			" " "	" " "		
Improving the Pavarettur small Tank	141	do do do	" " "			" " "	" " "		
do Pavappakum large Tank	257	do do do	" " "			" " "	" " "		
Constructing a 2nd Class Calingulah to do	453	do do do	" " "			" " "	" " "		
Restoring the Thindakolum Tank	272	do do do	" " "			" " "	" " "		
Carried Over	208205		59260 12 2	76800 12 3	48298 9 3	4319 5 6	188679 7 2		

Statement of the Expenditure already incurred upon the sanctioned Estimate for the Palar Annicut Project in the North Arcot and Madras Districts and of the Cost of the work still remaining to be carried out.—

Description of work.	Amount of Estimate	By whom sanctioned & end date of sanction	From the Commencement of the works to end of the year 1861-62	In 1862/63	In 1863/64	May to September 1864	Total	Cost of work still remaining to be Carried out	Remark
1	2	3	4						
Brought forward	208205		59260 12 2	76800 12 3	48298 9 3	4319 5 6	188679 7 2		
Improving the Chengoonum Tank	321	Gt. No 2765 - 22nd September 1864	"	"	"	"	"		
Constructing a 9 yards Sluice and a 2nd Class Calingulah to do	558	do do do	"	"	"	"	"		
Improving the Seeratkashoor large Tank	900	do do do	"	"	"	"	"		
do do Tangle	75	do do do	"	"	"	"	"		
Constructing 6 yds Sluice to do on the North side	91	do do do	"	"	"	"	"		
Improving the Teeratkashur South Tangle	78	do do do	"	"	"	"	"		
Constructing 6 yards Sluice to do on the South side	91	do do do	"	"	"	"	"		
Improving the Sathamungalum Tank	201	do do do	"	"	"	"	"		
do do Chittaini	55	do do do	"	"	"	"	"		
Constructing 6 yards Sluice to do	87	do do do	"	"	"	"	"		
Improving the Parramanur Tank	266	do do do	"	"	"	"	"		
do do Tangle	99	do do do	"	"	"	"	"		
Constructing 6 yards Sluice to do	85	do do do	"	"	"	"	"		
Improving the Karumbur Tank	355	do do do	"	"	"	"	"		
do the Reelay Caramy Tank	331	do do do	"	"	"	"	"		
Strengthening Bund to Puttiri Tank	1170	do - 2836 - 30th September 1864	"	"	"	"	"		
Constructing 3 Sluices to do	305	do do do	"	"	"	"	"		
Total Madras District	213273		59260 12 2	76800 12 3	48298 9 3	4319 5 6	188679 7 2	24593-8-10	
Grand Total Rupees	866146		595187 2 9	136620 6 "	79030 12 8	15984 9 1	826822 14 6	39321-1-6	

Superintg. Engr. Office Dy.
16th November 1864

A Boileau Col. RE
Supt. Engr. 1st Dn.

12796

Enclosure in a letter from the Supt. Engr 4th D. to Govt P.W.D. 16th Nov. 1864. No. 4064.

P.W. 4969/64

No. 4064.

Superint. Engr's Office 4th Dn.
Madras. 16th November 1864.

17

From,

Colonel A. J. M. Boileau R.E.
Superintending Engineer 4th Dn.

Public

To,

Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Sir,

With reference to para 5 of G.O. No. 3359 dated 18th November 1863, I have the honor to submit a Statement of the expenditure incurred under the sanctioned estimate Rupees 8,66,144, for the Palar Amicut Project in the North Arcot and Madras Districts up to the 30th September 1864.

2 Efforts have been made to compile a complete list of all the works undertaken in connection with the Project from the commencement of operations in 1851, but as the requisite details cannot be traced among the records of the late District Engineers' Offices, I am only able to furnish

a

a list of those works on which there has been expenditure since the 1st May 1862.—

3 The outlay up to the 30th April 1862 amounted to Rupees 5,95,187-2-9, and subsequent to that date there has been an expenditure of Rupees 2,31,635-11-9. The total amount therefore laid out up to the 30th September 1864 is Rupees 8,26,822-14-6 or Rupees 39321-1-6 less than the sanctioned estimate.

4 Of this balance Rupees 30618-6-11 will be required for the completion of sanctioned works under progress, and the remainder Rupees 8,702-10-7 I propose to appropriate for the execution of other works connected with the Project in the Madras District, for which estimates will in due course be submitted early next year.—

5 As respects the adjustment of the above mentioned expenditure Rupees 8,26,822-14-6, there remains to be accounted for by Bills, Rupees 184422-12-0 Viz:—

Districts	Expenditure. Up to 30th April 1862	Do. for the year 1862/63	Do. for the year 1863/64	Total.
North Arcot	53526-6-7	59819-9-9	30732-3-5	144078-3-9
Madras	59260-12-2	76800-12-3	41298-9-3	177359-13-8
Total	595187-2-9	136620-6-0	72030-12-8	803838-11-6

North Arcot - For the year 1862/63 Rupees 3387-14-6
do do 1863/64 " 5084-6-7
do do 1864/65 " 8751-3-6
Madras do do " 1199-3-3.

6 Instructions have been sent to the Range Officers concerned to expedite the submission of the necessary Vouchers connected with these outstanding balances for the Official years 1862/63 and 1863/64, after the receipt and disposal of which, there will be only this years expenditure to adjust.—

I have the honor to be
Sir
Your Most Obedient
Servant

Sup.t Engr.s Office 4th Dn
Pomamalee 16th November 1864.

H. Briscoe Col. R.E.
Sup.t Engr.s 4th Dn.

To,
Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

12-7-94
1-2-16

1864 Dispatch
Pros. of Govt. for November
From, No. 4969
The Supt. Engineer, 1st Div.
To The Secretary to Govt. P.W.D.

Dated 16th
Rec'd. 17th } November/64.

No. 4064.
No. 3415 - 29th November 1864.

Submits for orders a statement of expenditure incurred under the sanctioned Estimate Rs. 866144 for the Palaur Anicut Project in North Arcot & Madras Districts up to 30th Sept. 64 & points out how the balance Rupees 9321-1-6 is proposed to be appropriated.

Recorded
No. 3415 - 29th November 1864.

No. 3415

Recorded

Checked
29th November 64.

No. 581 - 582