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Government of Madras.

Public Press DEPARTMENT.

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17

*Proceedings of the Madras Government, Public Works Department,
20th June 1863.*

No. 487. Read the following letter from Captain H. L. PRENDERGAST, R. E., Acting Superintending Engineer 4th Division, to Colonel W. I. BIRDWOOD, R. E., Secretary to Government, Public Works Department, dated Madras, 9th June 1863, No. 549 :—

SIR,

1. I have the honor to submit for the orders of Government eight Estimates, amounting in the aggregate to Rupees 8,470, for repairing and improving tank bunds, and repairing and constructing sluices in the North Arcot District.

1 Letter No. 113, dated 28th May 1863.
8 Abstract Estimates.
7 Specifications.
5 Plans.

2. The works are as follows :—

	Estimate.			Expended up to 30th April 1863.			Balance required.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
1. Repairing the bund and re-building Sluice of the Mailpaudy second class Tank ...	540	0	0	214	5	3	325	10	9
2. Repairing bund and re-building old stone revetment, building new stone revetment and a ten yard Calingulah of the Stree-pathanellore second class Tank ...	1,700	0	0	661	11	1	1,038	4	11
3. Repairing bund and re-building old stone revetment. Building new stone revetment, repairing Calingulah, and re-building a ten yard Sluice of the Checkandoo first class Tank ...	2,360	0	0	0	0	0	2,360	0	0
4. Repairing and improving bund of the Combrageepoorum Tank, first class ...	1,470	0	0	0	0	0	1,470	0	0
5. Do. do. Thanapully second class Tank ...	280	0	0	0	0	0	280	0	0
6. Do. do. Mailpaudy do. do. ...	600	0	0	311	14	3	288	1	9
7. Do. do. do. third do. ...	330	0	0	212	12	9	117	3	2
8. Repairing bund and Calingulah, and re-building old Sluice, and constructing a new Sluice for the Yelianellore first class Tank ...	1,190	0	0	450	8	8	739	7	4
Total...	8,470	0	0	1,851	4	0	6,618	12	0

3. Five of these works were commenced last year by Mr. Dopping, and subsequently continued by Captain Vertue, in consequence of his finding that if the work people were dismissed, it would be difficult to collect them together again. The expenditure thereon up to the 30th April 1863 amounts to Rupees 1,851-4-0, as shown in the above statement; and the sum required this year is Rupees 6,618-12-0, which I recommend may be sanctioned from the allotment* in the Budget for the Poiney project, as according to Captian Rogers' report, it is essential that the whole of the works, for which the Estimates in question are submitted, should be completed before any large fresh comes down the river; all of them being supplied from the Poiney Anicut Channels.

* Rupees 52,200.

4. The Estimates have been countersigned by the Collector in token of approval, but no Ayacut statements accompany them.

No. 488. ORDER THEREON, 20th June 1863, No. 1,621.

Sanctioned from the allotment for the Poiney project of the current year.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

Revenue Irrigation

Special Repairs

Abstract Estimate No 46 of 1862/63

District North Arcot Taluk Chittur

Village No 424. Sreepathanellor

Work. Repairing the bund and rebuilding old Stone revetment
Building new Stone revetment and building a 10 yards
Calingula of Sreepathanellor Tank of the 2^d class.

Quantity	Particular	Rate	Amount	Total
Earthwork				
10571-72	10571-72 ¹⁰⁵⁷¹⁻⁷² of Earthwork Soil Morumbon and red clay to be brought from an average distance of 25 yards	" 1 3	825 14 4	825 14 4
	Rebuilding Old Stone revetment			
221	221 ²²¹ of Old Stone	" 2 "	27 10 "	27 10 "
	Building new Stone Revetment			
107	107 ¹⁰⁷ of new Stones Stone to be brought from an average distance of 1 Mile	" 10 "	399 6 "	399 6 "
	Surfing or Planting channel graft			
9665-12	9665-12 ⁹⁶⁶⁵⁻¹² of Surfing or Planting channel graft to be brought from an average distance of 1 mile	" " 4	201 5 "	201 5 "
	Building a Calingula of 10 yards			
126-8-27	126-8-27 ¹²⁶⁻⁸⁻²⁷ of new Roughstone in Chunam Stone to be brought from 1 mile and Chunam 4 miles distance	1 12 "	221 " 10	
" 126-13-27	" 126-13-27 ¹²⁶⁻¹³⁻²⁷ of Laminated Stone in Chunam Stone to be brought from an average distance of 2 Miles and Chunam 4 Miles	3 " "	2 7 10	
127-14-27	127-14-27 ¹²⁷⁻¹⁴⁻²⁷ of Earthwork of excavating foundation Soil hard Morumbon to be thrown 20 yards distance	" 1 6	11 15 4	235 8 "
	Sundries and Unenumerated			10 3 9
	Total Estimate Rupees one thousand seven hundred only			1770

Chittur
27th April 1863

Signed W. H. Watts Engineer
1st Asst District Engineer of MA
[True Copy]

Accepted

[Signature]
2^d Asst District Engineer of MA

Revenue Engraving Abstract Estimate No. 45 of 62/63
 District North Arcot Taluk Chittoor
 Village No. 253 Chekkandoor

37

Work Repairing the built and rebuilding old stone Revetment Building
 new stone Revetment and repairing Calingula and rebuilding a 10 yard sluice
 of Chekkandoor Part 6 of 1st class

Quantity	Particulars	Rate	Amount	Total
	Earthwork			
186 1/2	1/2 of Earthwork soil morumboo and Clay to be brought from an average distance of 20 yds. Rebuilding old stone Revetment	1 3	1456 1/2	1456 1/2
185	1/2 of old stones Building new stone Revetment	2	23 2	23 2
536	1/2 of new stone stone to be brought from an average distance of 1 mile.	10	335	335
	Sowing or Planting Kannel grass.			
114 1/2	1/2 of Sowing or Planting Kannel grass to be brought from an average distance of 1 mile Rebuilding old 1 st of Calingula	4	237 13 4	237 13 4
96	1/2 of old rough stone in Chunnam, Chunnam to be brought from 4 miles distance	1	96	96
	Adding a new 2 ^d apron to do.			
88	1/2 of new stone, stone to be brought from 1 mile distance	10	55	152
	Rebuilding a sluice of 10 yards			
4 1/2	1/2 of flat stone in Chunnam stone to be brought from an average distance 2 miles & Chunnam 1 mile	2 8	107 5 7	
3	1/2 of brick in Chunnam bricks to be brought from an average distance of 2 miles & Chunnam 1 mile	3	9 14 4	
1	New orifice stone with parallel hole for receiving	1	1	
202	1/2 of Earthwork of excavating foundation soil Clay to be thrown 20 yds distance	1 6 18	15 9	137 3 8
	Amidries and Renewed Stone			21 8 7
	Total Estimate Rupees Two thousand three hundred and sixty only			2360

Chittoor

25th March 1863

Compt. Mr.

Signed W. H. Watts Major
 100th Artillery Regt. Engr. M.C.

A. W. Jones Capt. M.C.
 20th Artillery Regt. Engr. M.C.

Estimated Estimate
 District North Arcot Taluk Chittoor
 Village No. 253 Chekkandoor
 Work Repairing the built and rebuilding old stone Revetment Building
 new stone Revetment and repairing Calingula and rebuilding a 10 yard sluice
 of Chekkandoor Part 6 of 1st class
 186 1/2 1/2 of Earthwork soil morumboo and Clay to be brought from an average distance of 20 yds.
 185 1/2 of old stones Building new stone Revetment
 536 1/2 of new stone stone to be brought from an average distance of 1 mile.
 114 1/2 1/2 of Sowing or Planting Kannel grass to be brought from an average distance of 1 mile
 96 1/2 of old rough stone in Chunnam, Chunnam to be brought from 4 miles distance
 88 1/2 of new stone, stone to be brought from 1 mile distance
 4 1/2 1/2 of flat stone in Chunnam stone to be brought from an average distance 2 miles & Chunnam 1 mile
 3 1/2 of brick in Chunnam bricks to be brought from an average distance of 2 miles & Chunnam 1 mile
 1 New orifice stone with parallel hole for receiving
 202 1/2 of Earthwork of excavating foundation soil Clay to be thrown 20 yds distance
 Amidries and Renewed Stone
 Total Estimate Rupees Two thousand three hundred and sixty only

Special Reports

District North Arcot. Palay Chittoor

Village No. 425 Shonapully

Work Repairing the Pond of Thana pullu Tank of 2^d class.

Quantity	Particulars	Rate	Amount	Total
	Earth work			
2156-8	6 1/2 yards of Earth work Soil hard clay to be brought from 20 yards distance	13 1/8	77	168 7/8
	Surfing or Planting gravel grass			
5107	1/2 1/2 yards of Surfing do. do. do. to be brought from an average distance of 1 mile	4 1/8	106	64 106 64
65-1/8	6 1/2 yds. of Earth work for sundries and river stone	13	5	21
	Total Est. Rupees Two hundred & eighty only			280

Signed W. H. Watts Major
1st Asst. Dist. Engr. of A.A.

W. H. Jones Capt.
2d. Artillery U.S.A.
will charge
in charge

Chittur
23^d March 1863

Compt. J. W.

Stimulus / Adaptation

Abstract submitted to H.S. of 10/2/03

Directed Andrew Chapman

Erhard No 255 Adolman

Oct 1819/63

September 11th 1864

and standing with the flag.

Mount Building's New Stone Foundation

present and the following will be

Good Morning! 2/10 Goodbye

of Superintendent David A. Webb

Sept 23/00

Revenue Irrigation Abstract Estimate No. 37 of 1862/63 Special Repair
 District N. Arcot Taluk Chittur 5X
 Village No. 422 Malepady
 Work Repairing the bund of Malepady 4th Tank of 2^d Class.

Quantity	Particulars	Rate	Amount	Total
<u>Earthwork</u>				
3015	bdys of Earthwork soil clay & iron mounds to be brought from 20 yds distance	1 3	235 8 9	235 8 9
195	bd. of Old stones Revetment to rebuild New Stone Revetment	2 "	24 6 "	24 6 "
385	bd. of New stones stone to be brought from 1/2 mile distance	8 "	192 8 "	192 8 "
<u>Surfing or planting Kaim grass</u>				
4700	bdys of surfing & d. to be brought from 2 miles distance	6 "	146 14 "	146 14 "
9	bdys of Earthwork for mudies & masonry work	1 3	" "	11 3
Total Estimate Rupees disbursement				600 "

Signed W. H. Watts Major
 1st and Dist Engr of NW
 A. M. Hooper Capt
 2^d and Dist Engr of NW in charge

Chittur
 17th March 1863
 E. J. J. Compt & W

Estimate No. 2000-00

Work Repairing the Bund of Malepady bund of 2^d Class

DN. 1819/63

Revenue Irrigation
 Abstract Estimate No. 37 of 1862/63
 District N. Arcot Taluk Chittur
 Village No. 422 Malepady

Revenue Irrigation Abstract Estimate No 36 for 1862/63
 District N. West Salm Chittur
 Village No 422 Malepally
 Work Repairing the bund of Malepally 3rd Class
 of the 2nd Class

Quantity	Particular	Rate	Amount	Total
— Earthwork —				
2059-10	6 yards of earth work soil clay and mounds to be brought from 20 yards distance	1 3 160	14 6	14 6
17-	— of old stone revetment to rebuild	2 2	2 2	2 2
New stone Revetment				
708	— of new stone to be brought from 5 furlongs & 72 yds distance	8 104	104	104
Surfing or planting Coracay or hand grass				
916	— of Surfing — do — do to be brought from 2 miles distance	6 59 14	59 14	59 14
39-10	level yards of earth work for sundries and uneven time	1 3	3 16	3 16
Total Estimate Rupees Three hundred and thirty only				330

Chittur —
 17th March 1863

Compt^y M

11/1

Signed W. H. Watts Major
 1st Asst. Dist. Eng. of N. W.

A. J. Jones Capt^y
 D. Asst. Dist. Engineer of N. W.
 in charge

Estimate No 36

Repairing the
 bund of Malepally 3rd
 Class of 2nd Class

P. M. 1819/63

Revenue Irrigation
 District N. West Salm
 Village No 422 Malepally
 Chittur

Revenue Irrigation

Special Repairs

Abstract Estimate No. 40/62/63

District North Arcot

Taluk Chittoor

Village No. 426 Gelyanallor

Work Repairing the Pond & Celingalah & rebuilding old sluice and constructing a new sluice for Gelyanallor Tanks of the 1st Class.

78

Quantity	Particulars	Rate	Amount	Total
7260-8	Earth work Cubic yds. of Earth work Soil Mounds & Clay to be brought from 20 yds. distance	13	567 3	567 3
9710	Surfing Cubic yds. of Surfing to be brought from 1 mile distance	6	303 7	303 7
8	Raising of Body of Celingalah 1 1/2 ft. & Repairing Apron Cubic yds. of flat stone in Chuanam, stone to be brought from 1 mile & Chuanam 10 miles distance	28	20	
15	Cubic yds. of New Pugh stone, stone to be brought from 1/2 miles distance	10	9 6	29 6
45 24 1/2	Rebuilding a Pulla Sluice of 10 yds. Cubic yds. of flat stone in Chuanam, stone to be brought from 2 miles & Chuanam 10 miles distance	28	114 11	10
3 8 1/2	Cubic yds. of Brick Spring in Chuanam Brick to be brought from 1 mile & Chuanam 10 miles distance	3	9 14	4
262-8	Cubic yds. of Earth work of Excavating foundation to be thrown 20 yds. distance (Soil Clay & Mound)	16	24 9	9
1	Prizee stone Constructing a new Mottos Sluice of 10 yds.	12	12	149 15 11
38 19 1/2	Cubic yds. of flat stone in Chuanam stone to be brought from 1 mile & Chuanam 10 miles distance	28	96 13	1
3 8 1/2	Cubic yds. of Brick in Chuanam Brick to be brought from 1 mile and Chuanam 10 miles distance	3	9 14	4
202-8	Cubic yds. of Earth work of Excavation of foundation to be thrown 20 yds. distance (Soil Mound & Clay)	16	18 15	9

Carried over

Revenue Irrigation

Abstract Estimate No. 40/62/63

District North Arcot

Taluk Chittoor

Village No. 426 Gelyanallor

Work Repairing the Pond & Celingalah & rebuilding old sluice and constructing a new sluice for Gelyanallor Tanks of the 1st Class.

Abstract No. 336

Brought forward

3

Original Stones

12. 2 12915

Sundries and unrecd Items

12. 4

Total Estimate 100. One thousand one hundred }
And ninety only - 1190.

Agreed Wth W. H. Wallis Major,
1st Lt. Col. Eng^g of 1st M

Adittur
10th March 1863
Camp 1st M

S. H. Rogers Capt.
2^d Lt. Col. Eng^g in charge of 1st M

Revenue Irrigation

Abstract Estimate No. 45 of 1862/63

District North and Valley Chittur

Village No. 226 Yellandore

Work

P.W. 1819/63

Repairing the bund

and Calingulak and rebuilding old

Shui and constructing a new Shui

for Yellandore Tank of the 1st Class

Rs 1190.0.0

Revenue Irrigation

Abstract Estimate No. 45 of 1862/63

District North and Valley Chittur

Village No. 252 Combarajapuram

Work Repairing the bund of Combarajapuram Tank of the 1st Class

Special Repair

98

Quantity	Particulars	Rate	Amount	Total
1525 1/2	Earthwork B 2. 1/2 ceps of Earthwork soil clay to be brought from an average distance of 30 yards Surfing or Planting travel grass.	0 1 3	1191 7	1191 7
12898	1/2 ceps of Surfing 32 1/2 ceps to be brought from an average distance of 1 mile	4	268 8	268 8
128 1/2	yards of Earthwork C for sundries and uneven item	13	10	10
Total Estimate Rupees one thousand four hundred and seventy only				1470

Chittur

23 March 1863

Compd for

signed W. H. Watts Major
1st Asst District Engineer

A. H. Jones Capt
2nd Asst District Engineer

Revenue Immigration

Special Repair

Abstract Estimate of 30th 1862/63

District North West Belug Chittur 157

Village No. 422 Mailhandy

North 6 Repairing the bund and rebuilding a sluice of Mailhandy 2nd Part of the 2nd Class.

Quantity	Particulars	Rate Per	Amount	Total
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2316 - 4	Q. of 2 nd Part North Rail. Slu. and Bunds to be brought from 20 yards distance	13	64	25914	25914
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14 - "	Rebuilding old stone structure	2	12	1	12
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140 - "	Q. of old stone	8	70	70	70
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2906 - "	New stone structure	8	70	70	70
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	Q. of New stone, stone to be brought from Gurlang and 400 yards distance	6	90	13	90
--	--	---	----	----	----

	Square yards of Sanding or Planting	6	90	13	90
--	-------------------------------------	---	----	----	----

	Rebuilding yards sluice				
--	-------------------------	--	--	--	--

33 7/2	Q. of flat stone in Chumam stone to be brought from 2 miles & Chumam 10 miles distance	28	83	31	111
--------	--	----	----	----	-----

2 - 17 1/4	Q. of coping Quits in Chumam built to be brought from 1 mile and Chumam 10 miles distance	3	7	48	55
------------	---	---	---	----	----

144 - "	Cy. of earth work of excavating foundation soil soft morum to be thrown 20 yards distance	13	11	4	15
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1 - "	Tap stone with parallel hole for receiving rock	1	4	103	99
-------	---	---	---	-----	----

	Sumories and murements			14	11
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	Total Estimate Rupees Five hundred and forty only			540	00
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Chittur
19th March 1863.

W. H. Watts
Capt. J. M.

Signes of W. H. Watts Major
1st Asst. Dist. Eng. of NW

(True Copy)

W. H. Watts
2nd Asst. Dist. Eng. in Charge N.W.

Revenue Immigration
Special Repair
Abstract Estimate of 30th 1862/63
District North West Belug Chittur
Village No. 422 Mailhandy
North 6 Repairing the bund and rebuilding a sluice of Mailhandy 2nd Part of the 2nd Class.
Quantity
Particulars
Rate Per
Amount
Total
2316 - 4
Q. of 2nd Part North Rail. Slu. and Bunds to be brought from 20 yards distance
13 64 25914 25914
14 - "
Rebuilding old stone structure
2 12 1 12
140 - "
Q. of old stone
8 70 70 70
2906 - "
New stone structure
8 70 70 70
Q. of New stone, stone to be brought from Gurlang and 400 yards distance
6 90 13 90
Square yards of Sanding or Planting
6 90 13 90
Rebuilding yards sluice
Q. of flat stone in Chumam stone to be brought from 2 miles & Chumam 10 miles distance
28 83 31 111
Q. of coping Quits in Chumam built to be brought from 1 mile and Chumam 10 miles distance
3 7 48 55
Cy. of earth work of excavating foundation soil soft morum to be thrown 20 yards distance
13 11 4 15
1 - "
Tap stone with parallel hole for receiving rock
1 4 103 99
Sumories and murements
14 11
Total Estimate Rupees Five hundred and forty only
540 00
Chittur
19th March 1863.
W. H. Watts
Capt. J. M.
Signes of W. H. Watts Major
1st Asst. Dist. Eng. of NW
(True Copy)
W. H. Watts
2nd Asst. Dist. Eng. in Charge N.W.

Extreme Migration

Observed between 10.30 and 11.00

Did not shoot and stop when

birds were 400 yards away

Nov. 18/19/63

Following the birds

and following a flock of birds

2 birds of 10.30-11.00

Signed 570.0.0

No. 1621.

Stephen D. H. Co.
 William H. Co.
 Perry D. Co.
 and H. Co.

1063.
 June 1863.
 Dec 1, 1863.
 Dec 21.

Blue north
207 June/63

Estimated amount in
the aggregate to District No
1 of \$11,000 for repairing and improving
North Lundy Sea in the Fifth
West District and recommends
that the same may be funded
from the allotment in the
Budget for the County Project.
Wm Howard

2. 12th June 1863. Dr. 13th 2

27
 of July 2nd 1888
 " Second General
 " Court & Order of Court
 1888