

(1) Number of pages 20
(2) Date of repair 29-7-86
(3) Initials of the Referencer lung

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public works DEPARTMENT

G.O. No.	1015 (W)	Press.
~~B.P.~~ No.		~~Mis.~~
Dated	28-2-1878	197.

225

Not to be folded or roughly handled

1013
1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

28th February 1878, No. 1,015 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 333. From W. S. HARRINGTON, Esq., District Engineer, Madura, to the Chief Engineer, Public Works Department, dated Madura, 6th February 1878, No. 364.

With reference to G.O., No. 1,762 W, dated 22nd November last, I have the honor to submit, for the sanction of Government, the enclosed estimate of Rupees 7,500 for repairing the damages caused to the Goodalore Ghaut. This estimate is in lieu of that submitted with my No. 139, dated 14th September last. The maintenance grant of Rupees 1,320 has been first utilized as directed in the above Government Order, thus reducing the necessary sanction, if thought proper, by that amount,* as it will not be needed for the two remaining months of 1877-78.

No. 334. ORDER THEREON, 28th February 1878, No. 1,015 W.

THE estimate of Rupees 7,500 for repairing damages done to the Goodalore Ghaut is sanctioned.

2. In addition to the maintenance grant of Rupees 1,320 a sum of Rupees 2,000 is appropriated for the work from the Provincial Reserve of 1877-78. The District Engineer will carry out such emergent works as may be actually necessary in the current official year, and apply for the unexpended balance of the estimate in his statement of demands against the Reserve of 1878-79 to be submitted in April next.

3. This sanction has been registered as Provincial No. 292 B of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Madura.
" Examiner of Public Works Accounts, with Estimate.

Exd. T. D. Ryan.
Spare Copies

Sept. of 1873) 31/12/73

PUBLIC WORKS.

THE DISTRICT ENGINEER.

1873

1873

1873

1873

1873

1873

1873

FEBRUARY

No 833-834

1873

10/5/2

GOVT.
OF MADRAS.

1878.

P. W.
DEPT.

SECRETARY.

Fort St. George, 15th February 1878.

OFFICE NOTE.

To

Have state the amount spent during the current year on repairs to the Goodaloon Ghaut Road in the Madras District.

RA

1015/14

15-2-78

Recd: 18th Feb 1878

17/2

TO B.

NO EXPENDITURE HAS BEEN INCURRED ON THE WORK UP TO THE END OF DECEMBER 1877.

24/2

Emergent

Detailed Estimate for 1877-78

District Madras Perincolam Taluk.

Work. Repairing damages caused by the heavy rains of October & November & December 1877 to Goodaloon Ghaut Road

Miles	Surveys	Guns	Measurements			Condition	Remarks
			L	B	H		
1	6		228				Commencing from broken tunnel up to No 1 Bridge in good order.
1	7	17	9				Good.
		187	110				
		159	127	1/2	2/3	2/3	Rebuilding parapet of the tunnel 2x2 lower sides.
1		185	246				Good.
		187	2	1/2	2/3	2/3	Repairing parapet of 2x2 tunnel.
1		155	158				Good.
		161	6				
2		97	157				
		127	30				
		136	9				
		172	36				
3		27	27	2/3	1/2	9	Parapet.

1015

3

1	3	47	20	2	5	300	Reinforcement
		134	4				Good
	4	78	156				Good up to Road end
		135	60				Do
		171	102	1/2	4	65	Reinforcement
			10 1/2	2 1/2	1/2	3 1/2	Paraph
		135	33 1/2	1 1/2	4	200	Reinforcement
			32 3/4	2 1/2	1/2	11 1/2	Paraph
			26 2/3	2 1/2	1/2	8 1/2	Do
1	6	107	11 1/2	1	3	54	Reinforcement
			11 1/2	2 1/2	1/2	37	Paraph
		163	32 1/3	1	3	97	Reinforcement
		32 2/3	32 1/3	2 1/2	1/2	10 2/3	Paraph
			6	1 1/2	3	27	Reinforcement
			10 1/3	2 1/2	1/2	4 1/2	Paraph
7	17	76					Good
		87	68				Do
		137	55				"
		187	10	1 1/2	4	60	Reinforcement
		123	136				Good
		155	52				Good
		207	52				"
3	43	56					"
4	30	207					"
5	48	14	2	4	112	up to Big rock	
		58	10	2	4	80	Reinforcement
		78	20				Do
		92	11 1/3	1	3	34	Good
							Reinforcement

2	5	112	$11\frac{1}{3}$	$2\frac{2}{3}$	$\frac{1}{2}$	$4\frac{2}{3}$	Paraph
		144	$6\frac{2}{3}$	$2\frac{2}{3}$	$\frac{1}{2}$	$2\frac{2}{3}$	Do
		176	$16\frac{2}{3}$	$1\frac{1}{2}$	3	75	Reinforcement
			$16\frac{2}{3}$	$2\frac{2}{3}$	$\frac{1}{2}$	$5\frac{5}{9}$	Paraph
		188	12				Good
6	16	35	2	4	280	Reinforcement	
		48	35	$2\frac{2}{3}$	$\frac{1}{2}$	$11\frac{2}{3}$	Paraph
7	56	4	$2\frac{2}{3}$	$\frac{1}{2}$	$1\frac{1}{3}$	Do	
		68	3	1	1	3	Reinforcement
			10	$2\frac{2}{3}$	$\frac{1}{2}$	$3\frac{1}{3}$	Paraph
		128	10	$1\frac{1}{2}$	4	60	Reinforcement
		140	10	$2\frac{2}{3}$	$\frac{1}{2}$	$3\frac{1}{3}$	Paraph
		152	$9\frac{1}{3}$	2	3	56	Reinforcement
		176	15	2	5	150	Do
			15	$2\frac{2}{3}$	$\frac{1}{2}$	5	Paraph
		215	57	2	3	342	Reinforcement
			57	$2\frac{2}{3}$	$\frac{1}{2}$	19	Paraph
3	..	77	104				Good 1015
		123	24				"
		143	20				"
		157	20	2	3	120	Reinforcement
			20	$2\frac{2}{3}$	$\frac{1}{2}$	$6\frac{2}{3}$	Paraph
		195	44				Good
		215	20	2	3	120	Reinforcement
			20	$2\frac{2}{3}$	$\frac{1}{2}$	$6\frac{2}{3}$	Paraph
			$6\frac{2}{3}$	$2\frac{2}{3}$	$\frac{1}{2}$	$2\frac{2}{3}$	Paraph
			$6\frac{2}{3}$	2	4	40	Reinforcement

1	19	11	12	3	5	Reinforcement
		28	2/3	1/2	9 3/4	Parapet
	27	7	2	1	56	Reinforcement
		27 3/4	2/3	1/2	9 9/16	Parapet
		33 3/4	2	4	266 2/3	Reinforcement
		33 3/4	2/3	1/2	11 1/4	Parapet
		10 1/2	1 1/3	3	40	Reinforcement
		10	2/3	1/2	3 1/3	Parapet
Total of Reinforcement & Parapet with Rough Stone						2727
Excavating foundation for Reinforcement						600
Blasting rocks byd.						1543 1/2
1/2 of 2727						1363 1/4
Work done out of the main entrance gate						
Type of Reinforcement and Parapet						107
As Blasting rock						107
Excavating foundation						45 1/2
Type of rocks filled						5556
Side drains cleared						5556
" Catch drains do						4440
Type of last the slope repaired						1320

Revised Estimate to 10/13/1877-78
 District Madras Pericolum Salug.
 Work. Reconstructing a Tunnel of 1 foot 6x6
 in the 6 furlong from the top of Godalainghat

Particulars.	Squares	Measurement			Contents
		L.	B.	H.	
Foundation to Side walls	2	18 1/2	3	3	333 1/4
Do - - - - -	4	8	2 1/2	3	240
Retaining walls	2	5 1/2	1 1/2	3	49 1/2
Flooring	1	15	5 1/2	1 1/2	123 3/4
Side walls above	2	18	2 1/2	0	54 1/2
Rings Do - - - - -	4	8	2	7	448
Sides of Covering Stones	2	18	1 3/4	3/4	47 1/4
Concrete over do - - - - -	1	18	11	3/8	74 1/4
Total cubic feet of Rough stone in place					1855 3/4
As byd.					68 3/4
Removing and relaying old Covering Stones					101 1/4
Total left of old Covering Stones					101 1/4
As byd.					3 3/4

Blocking Course — 2 11 1 1/2 1/2 16 1/2
 Parapets — 2 10 1 1/8 1 23 5/8

Total cubic feet of Brick in ch — 40 1/8

Plastering Parapets — 2 12 3/4 3/8 79 3/4
 Total Sq. feet of Plastering — 79 3/4

or Sq. ft. — 7 1/5

Cubic yards of Roughstone in
 Chumam and Brick in chumam
 to be dismantled — 70 1/4

Abstract Estimate to 10/13/77-78.
 District Madras Perinolum Salug.
 Work Reconstructing a Tunnel of 1 inch 6x6
 on the 6" pier long from the top of Goodaloor shaft.

Quantity	Description of Work	Rate	Per	Amount	Total
68 3/4	Cyds of old roughstone in chumam —	2 8	cyd	171 1/4	5
3 3/4	Do — Removing & relaying old covering Stone —	3	"	11 4	1
1 1/2	Do — Brick in chumam —	5	"	7 8	1
4/5	Sq. ft. of Plastering —	2 8	Sq. ft.	2 12	1
70 1/4	Cyds of old Roughstone in chumam & Brick in chumam to be dismantled —	6	cyd	218 5 6	218 14 6
	Superintendence at 1/2 per cent —				5 8 1
	Lundries at — Do —				5 3 6
	Total Estimate Rubric —				228 14 6
					230

Central Office
 - 840
 26-2-78

From 1 Enclosure to
District Engineer's office
to the Chief Engineer
dated 6 Feb 1878
No. 364

Repairing Damages
caused by the heavy rain
of October November
& December 1877
to Goddard's Ghat and
Eliminate 1878-1

Estimate No. 1877-78

Communication 1878

Headmaster (D. S. S. S. S.)

Headmaster (D. S. S. S. S.)

Headmaster (D. S. S. S. S.)

Roads and
Buildings

No. 364

From

To

Sir

District Engineer's Office
Madras 6th February 1878

The District Engineer,
Madras.

The Chief Engineer for
Roads and Buildings,
Madras.

With reference to G.O. No.

1162 dated 22nd November last,

Enclosure 1 I have the honor to submit for the

1 Estimate sanction of Government the enclosed

estimate of Rs. (7500) Seven thousand

and five hundred for repairing the

damages caused to the Goddard's Ghat.

This estimate is in lieu of that submitted

with my No. 139 dated 14th September

last. The maintenance grant of Rs.

(1320) one thousand three hundred and

twenty has been first utilised as

directed in the above G.O. thus reducing

the necessary sanction, if thought

proper, by that amount as it will

not be needed for the two remaining

months of 1877-78.

I

I have the honor to be
Sir,
Your most obedient servant

W. Livingston
District Engineer,
Madison.

10/15/8

No 364

From
The District Engineer
Madura

To
The Chief Engineer
Roads & Buildings

Dated 6 February 1878
Received.

Enc 1

Goodaloor Ghat -
submitting estimate
for sanction -

Go. 22. Nov. 1877 No 1762. IV.

Cu 26.2.78

No 1015 W Public Works Department

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 28th Feb 1878.

Read the following:-

From the District Engineer Madura (H.E. No 364 of 6th February 1878).

1017
The estimate of Rs.
7500 for repairing damages
done to the Goodaloor Ghat
is sanctioned.

2. In addition to the
maintenance grant of Rs.
1320 a sum of Rs. 2000 is
appropriated for the work
from the Provincial Reserve
of 1877-78. The District
Engineer will carry out
such emergent works
as may be actually
necessary in the current
official year, and apply
for the unexpended
balance.

balance of the estimate
in his statement of
demands against the
Reserve of 1878-79 to be
submitted in April next.

not ~~the~~
20/8

This sanction has been
registered as Publ. charge
B. of 1877/78

1017
10

District Engineer Madras
Examiner P.W. Account 5
with Estimate 17
Dated - 15-3-78

4/2/78 Ar 26.2.78

10/17/21
 (Ct. of 1878; Public
 WORKS.)

To *W. B. [unclear]* 2378
 D. 3-7-8
 Issued *W. B. [unclear]* 133-
 Recd. *W. B. [unclear]*

a. o. 28 July 1878

Dec. 334-336

Goodale's Hunt. [unclear]
Sanction [unclear]
for repairing damages
to the [unclear]

28 2
But in [unclear]