M.R.O. 1—77,006—8-6-37.

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3135 Press
55-56 Mis.

Dated 23 — 10 — 1866.

Not to be folded or roughly handled

12

Proceedings of the Madras Government, Public Works Department, 3rd October 1866.

No. 55. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Department Public Works, dated Masulipatam, 19th September 1866, No. 40:—

1. I have the honor to submit for the sanction of Government, an estimate, amounting to Rupees 1,950, for providing the bridges and tunnels on Trunk Road No. VI., between the 38th and 104th miles, with rubble stone aprons, Nellore District.

2. Many of these works are being gradually destroyed by the scour of the water in rear, the floorings of the bridges in several instances stand for some feet in length merely by their own cohesion, the water having undermined them, and they are in a dangerous state. To all of them it is necessary to give the aprons now estimated for.

No. 56. ORDER THEREON, 3rd October 1866, No. 3,135.

CIVIL WORKS, No. 16.

1. The Government sanction the estimate amounting to Rupees 1,950 for providing rough stone aprons to the bridges and tunnels between the 38th and 104th miles of Trunk Road No. 6 in the Nellore District.

2. The work being a *Repair*, its cost must be charged to the Repair Funds which are at the disposal of the Superintending Engineer of the 2nd Division.

(True Extract.)

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

To the Superintending Engineer, 2nd Division.
" Accountant General.
" Controller of Public Works Accounts.

Exd. S. T. Augustin.

1st Circle Pettore Range Pallon District

Estimate for 1867-68.

Providing the Bridges and Culverts on Simla Road No VI, with Rubble Masonry

Circle	Names of Works	Description of Works	Measurements					Rate	Amount	Total
			Rft yards	Ft.	Inches	Number	Cubical Contents			
38	Culvert of 3 Vents 4½ feet Span	Rough Stone	6	2	½	1	4	24 "	9 " "	9 " "
	do do 6' Span	do	3	2	⅓	1	2	24 "	4 8 "	4 8 "
	do do do	do	3	2	⅓	1	2	24 "	4 8 "	4 8 "
40	Culvert of 3 Vents 4½ Span	do	8	3	⅓	1	8	24 "	18 " "	18 " "
43	Bridge of 2 Vents 18 feet Span	do	16	4	½	1	32	2 " "	64 " "	
		Earthwork inclusive of Pumping	16	6 6/6	2 6/6	1	213 4/18	" 1 "	13 59	77 59
44	Bridge of 3 Vents 21' Span	Rough Stone	25	4	½	1	50	2 " "	100 " "	
		Earthwork inclusive of Pumping	25	6 6/6	2 6/6	1	334 36/36	" 1 "	20 14 "	120 14 "
	Bridge of 2 Vents 12' Span	Rough Stone	11	4	½	1	22	2 " "	44 " "	
		Earthwork	11	6	1	1	66	" 1 "	4 2 "	48 2 "
	do 1 Vents 12' Span	Rough Stone	6	3	⅓	1	6	2 " "	12 " "	12 " "
45	Bridge of 1 Vent 9' Span	do	5	2	⅓	1	3⅓	1 12 "	5 34	5 34
								Carried Over		300 31

		Brought forward															300	3	1
47	2 Trusses of 2 Webs 4½' Span	Rough Stone	5	2	⅓	2	6⅔	1	12"	11	108						11	108	
	do of 1 Web do	do	3	2	⅓	2	4	1	12"	7	" "						7	" "	
49	Bridge of 5 Webs 28' Span	Rough Stone	53	4	½	1	106	2	4"	238	8"								
		Earthwork	56	6	2	1	672	0	10	42	" "						280	8"	
52	Truss of 2 Webs 8' Span	Rough Stone	9	3	⅓	1	9	1	80	16	80						16	80	
	do of 1 Web 6' Span	do	4	3	⅓	1	4	1	80	6	0"								
	do of 2 Webs 12' Span	Earthwork	4	4	1	1	16	0	1	1	0"						7	0"	
		Rough Stone	14	4	½	1	28	1	80	42	" "								
		Earthwork	14	6½	2½	1	227½	0	10	14	36						56	36	
53	Truss of 1 Web 4' Span	Rough Stone	3	2	⅓	1	2	1	40	2	8"								
		Earthwork	03	03	1	1	9	0	10	0	90						03	10	
56	Truss of 1 Web 12' Span	Rough Stone	6	3	⅓	1	6	1	12	10	80								
		Earthwork	6	3⅝	⅝	1	19⅞	0	10	1	32						11	112	
	do of 1 Web 4' Span	Rough Stone	3	3	⅓	1	3	1	12"	5	4"								
		Earthwork	3	4	1	1	12	0	10	1	20						6	0"	
57	Truss of 1 Web 6' Span	Rough Stone	4	2	⅓	1	2⅔	2	0"	5	54								
		Earthwork	4	2⅔	⅔	1	7⅑	"	1"	"	71						5	125	
68	Bridge of 1 Web 20' Span	Rough Stone	9	4	½	1	18	2	80	40	" "						43	" "	
81	Bridge of 5 Webs 36' Span	Rough Stone	72	4	½	1	144	2	"	288	0"								
		Earthwork	72	4⅝	⅝	1	290	1	10	18	2"						386	20	
91	Truss of 1 Web 12' Span	Rough Stone	8	4	⅓	1	10⅔	1	4"	13	54								
		Earthwork	8	5⅛	1⅛	1	48⅔	0	10	3	03						16	57	
		Carried Over															1070	15	

		Brought forward															1070	15	
	Truss of 1 Web 12' Span	Rough Stone	8	4	⅓	1	10⅔	1	4"	13	54								
		Earthwork	8	5½	1½	1	66	0	10	4	2"						17	74	
	do do	Rough Stone	8	4	⅓	1	10⅔	1	4"	13	54								
		Earthwork	8	4⅝	⅝	1	32⅔	"	1"	2	" 3						15	57	
82	Truss of 3 Webs 12' Span	Rough Stone	17	4	½	1	34	1	4"	42	8"								
		Earthwork	17	4⅓	⅓	1	24⅔	"	1"	1	86						44	" 6	
	Truss of 2 Webs 12' Span	Rough Stone	12	4	½	1	24	1	4"	30	" "								
		Earthwork	12	4½	½	1	27	"	1"	1	11"						31	11"	
86	Bridge of 3 Webs 19' Span	Rough Stone	25	4	½	1	50	1	8"	75	" "								
		Earthwork	25	5⅝	1⅝	1	264/16	"	1"	16	113						91	113	
	do of 4 Webs 18' Span	Rough Stone	30	4	½	1	60	1	80	90	" "								
		Earthwork	30	6½	2½	1	487½	0	10	30	76						120	76	
87	Truss of 2 Webs 12' Span	Rough Stone	12	4	⅓	1	16	1	12"	28	0"								
		Earthwork	12	6	2	1	144	0	10	9	" "						37	0"	
	do of 1 Web 6' Span	Rough Stone	4	2	⅓	1	2⅔	1	12"	4	108								
		Earthwork	4	2⅔	⅓	1	3⅑	0	10	"	31						4	139	
	do of 2 Webs 12' Span	Earthwork	18	6	2	1	216	0	10	13	80								
		Rough Stone	18	4	⅛	1	24	1	12"	42	" "						55	80	
90	Truss of 1 Web 6' Span	Rough Stone	7	3	⅓	1	7	1	12"	12	4"								
		Earthwork	7	3⅓	⅓	1	7⅐	"	1"	0	79						12	119	
	do of 1 Web 12' Span	Rough Stone	7	4	⅓	1	9⅓	1	12"	16	54								
		Earthwork	7	4⅔	⅔	1	24⅐	0	10	1	58						17	112	
93	Bridge of 1 Arch 10' Span	Rough Stone	8	4	⅓	1	10⅔	1	80	16	0"								
		Earthwork	8	5	1	1	40	"	1"	2	80						18	80	
	do of 1 Arch 15' Span	Rough Stone	10	6	⅓	1	20	1	80	30	" "								
		Earthwork	10	7⅔	1⅔	1	127⅐	"	1"	7	158						37	158	
	do of 2 Arches 12 feet Span	Rough Stone	14	6	⅓	1	28	1	8"	42	" "								
		Earthwork	14	7⅙	1⅙	1	117/18	"	1"	7	5"						49	5"	
		Carried Over															1624	59	

			Brought forward											1624	0
	Bridge of 1 Arch	Rough Stone	10	5	1/3	1	16 2/3	1	8	25	0				
	12 Span	Earth work	10	5 5/6	5/6	1	48 4/18	1	1	3	0				
	do do	Rough Stone	9	5	1/3	1	15	1	8	22	8	0			
		Earth work	9	6	1	1	54	0	1	0	3	5	0		
94	do of 3 Arches	Rough Stone	20	5	1/3	1	33 1/3	1	4	0	41	13	8		
	12 Span	Earth work	20	5 5/6	5/6	1	92 2/3	1	1	0	6	1	3		
	do of 1 Arch	Rough Stone	8	4	1/3	1	10 2/3	1	4	0	13	5	4		
	10 Span	Earth work	8	4 5/6	5/6	1	32 2/9	0	1	0	2	0	3		
	Bridge of 3 Arches	Rough Stone	19	5	1/3	1	31 2/3	1	4	0	39	11	4		
	12 Span	Earth work	19	6	1	1	114	0	1	0	7	2	0		
	do do	Rough Stone	19	5	1/3	1	31 2/3	1	4	0	39	11	4		
		Earth work	19	6	1	1	114	0	1	0	7	2	0		
	Bridge of 2 Arches	Rough Stone	12	5	1/3	1	20	1	4	0	25	0	0		
	12 Span	Earth work	12	5 1/2	1/2	1	33	0	1	0	2	1	0		
96	Tunnel of 1	Rough Stone	8	3	1/3	1	8	1	0	0	8	0	0		
	1 Ring 6 6 Span	Earth work	8	4	1	1	32	0	1	0	2	0	0		
99	Tunnel of 2	Rough Stone	9	3	1/3	1	9	1	0	0	9	0	0		
	1 Ring 6 6 Span	Earth work	9	4	1	1	36	0	1	0	2	4	0		
100	do of 1 Ring 6	Rough Stone	8	3	1/3	1	8	1	0	0	8	0	0		
	9 Span	Earth work	8	3 2/3	2/3	1	19 5/9	0	1	0	1	3	6		
101	do of 3 Ring 6	Rough Stone	8	3	1/3	1	8	1	0	0	8	0	0		
	4 Span	Earth work	8	3 2/3	2/3	1	19 5/9	0	1	0	1	3	6		
	Bridge of 1 Arch	Rough Stone	9	3	1/3	1	9	1	0	0	9	0	0		
	9 Span	Earth work	9	4	1	1	36	0	1	0	2	4	0		
		Carried Over												1912	12 6

			Brought forward											1912	12 6
104	Tunnel of 2 Rings 6	Rough Stone	6	3	1/3	1	6	0	12	0	4	8	0		
	Span	Earth work	6	3 2/3	2/3	1	14 2/3	0	1	0	0	14	8		
														5	6 8
		Sundries												31	12 10
		Total Estimate Rupees												1950	0 0

Executive Engineer's Office
Camp Nellore
5th September 1868

Executive Engineer 1st Div
Nellore Ry

Lieut Colonel RE
Superintending Engineer 2nd Div

No 40

Supt's Engr's Office 2d Divn
Masulipatam
19th September 1866

From

Lieutt Colonel G. T. Wilson R.E
Supt's Engineer 2d Divn

To

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

Sir

I have the honor to submit for the Sanction of Government an Estimate amounting to Rs 1950 for providing the Bridges & Tunnels on Trunk Road No VI between the 38th and 104½ Miles with Rubble Stone Aprons. At the 2. Many of these works are being gradually destroyed by the Scour of the water in the floorings of the Bridges in several instances stand for some feet in length merely by their own Cohesion; the water having undermined them, and they are in a dangerous state. To all of them it is necessary to give the Aprons now Estimated for.

I have the honour to be
Sir
Your most Obdt. Servant
G. Wilson Lieutt Colo RE
Superintending Engineer 2d Divn

Ltr a letter from the Supt Engr 2d Divn & Dte 19 Sept 66 & No 40 & Estl D.P.W. 1950 September 1866

Rlw 3931/66.

Colonel Orr &c &c &c:
Bridges & Tunnels
on Trunk Road No VI
Aprons. Rlw
Agree. Recd
Orders?

P. 26th & 29th Oct 1866 R. 1st Nov 66.

P. W. D. Book Reference
No. 3340
Rec'd from the Superintending Engineer 2nd Division

To The Secretary to Govt
Public Works Dept
Madras

Dated 19th September 1866.
Rec'd 24th "

Sir,

I have the honor to forward the accompanied Estimate for Rs 1,950 for providing rough stone aprons to the Bridges and Tunnels between the 38th and 101st miles and Trunk road No. 6 in the Nellore District and to request that the same may be submitted for the sanction of Government.

2. The Bridges and Tunnels are in good repair and the Estimate is framed with a view to the preservation of the Road in its present state of efficiency.

I have &c
Sd/-
Superintending Engineer
2nd Division

No 3135-31st Oct 66.

Public Works Department.

No 3135

PROCEEDINGS of the MADRAS GOVERNMENT

under date the 5th October 1866.

Read the following

From the Superintending Engineer of the 2nd Division

(Here enter No. 40 dated 19th Sept 1866

The Government sanction the Estimate amounting to Rs 1950 for providing rough stone aprons to the Bridges and Tunnels between the 38th and 101st miles Trunk road No. 6 in the Nellore District.

2. The work being a Repair, its cost must be charged to the Repair funds which are at the disposal of the Superintending Engineer of the 2nd Division.

To
The Engr. 2nd Div.
" Accts General
" Comptroller

Despatch Book

P. W. 1866. Department.

Proc: of Govt for Oct^r 1866

No. 5135

PROCEEDINGS OF GOVERNMENT. of Madras

Dated 3rd October 1866.

No. 56