



Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR FDR



Name of the Road :-	L068 L041 . Bangra Nijamat
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Damaged Length:-30M

DISTRICT Muzaffarpur

DIVISION **Muzaffarpur West**

BLOCK Sahebganj

TOTAL LENGTH OF ROAD	:	2.991	KM
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CONSTRUCTION COST	:	2.758	Lac
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Submitted By :-

Executive Engineer

RWD Work Division, Muzaffarpur West

Inspection Report for Flood Damage Work

Date :-...../...../2024

1. Name of PIUs :- E.E RWD Muzaffarpur West.
2. Name of Block :- Sahabganj
3. Name of Road :- Logg- Lohi- to Bangrai Nijamat

A. For Road

1. Damage Location/Chainage :- ch 2500kto 2900 km.
2. Damage Length :- 30.0M
3. Nature of Damage :- Breaches
4. Details of Restoration Works :-

- (i) Material being used in Restoration works :-
- (ii) Equipments/Tools being used in Restoration Works :-
- (iii) Procedure taken up un Restoration works :-
- (iv) Restored Length :- 30.0M

B. For Bridge

1. Damage Location/Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works :-

- (i) Material being used in Restoration works :-
- (ii) Equipments/Tools being used in Restoration Works :-
- (iii) Procedure taken up un Restoration works :-
- (iv) Restored Length :-

N.A

Signature of JE/

[Signature]
14.11.2024

[Signature]
14/11/2024

[Signature]
14/11/24
EE

[Signature]
14.11.24
Executive Engineer
RWD Muzaffarpur Division
(Name of Competing Officer)


प्रतिवेदन

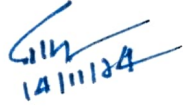
योजना का नाम :- एल068-एल041 - बंगरा निजामत पथ का अस्थाई पूर्णस्थापन कार्य।
वर्ष :- 2024-25
प्राक्कलित राशि :- 2.758 लाख

प्रस्तुत विस्तृत प्राक्कलन जो मो0 रु0 2.758 लाख (दो लाख पचहत्तर हजार आठ सौ) रुपये मात्र की है, उपरोक्त योजना वास्ते तैयार किया गया है। बरसात के मौसम में गंडक नदी में बाढ़ आने के कारण उक्त पथ में गड्ढा हो गया था, जिसके कारण पथ पर आवागमन बन्द हो गया था। जिससे आम जनता को काफी कठिनाई हो रही थी। इस कठिनाई को दूर करने के लिए एवं आवागमन सुचारु रूप से बहाल करने हेतु पथ के कटाव वाले भाग में आवश्यकतानुसार 30 मीटर लम्बाई एवं 4 मीटर चौड़ाई में ईट टुकड़ों की भराई, पथ के उपरी सतह को समतल करने हेतु 300 mm में राविश भराई एवं दोनों ओर सिमेंट बैग में लोकल बालू भरकर पिचिंग कार्य किया गया है एवं सड़क के सतह पर रोलिंग कर समतल कर दिया गया है।

जनहित में उक्त प्राक्कलन की प्रशासनिक एवं तकनीकी स्वीकृति अपेक्षित है।


कनीय अभियंता


सहायक अभियंता


कार्यपालक अभियंता,
ग्रामीण कार्य विभाग, कार्य प्रमंडल,
मुजफ्फरपुर पश्चिम

GENERAL ABSTRACT

Name of Road L068 L041 . Bangra Nijamat

District Muzaffarpur

Block Sahebganj

Division Muzaffarpur West

Length of Road (in Km) 2.991 Km

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	Brick Bats	2.356
2	Earthwork	0.067
3	Sand bag	0.335
	GRAND SUB TOTAL	2.758

by Rs. 2.80 lacs

[Signature]
14/11/24

JE

RWD

[Signature]
14/11/2024

AE

RWD

[Signature]
14/11/24

EE

RWD

Post facto Technical Sanctioned for Rs. 2.80 lacs
(Rs. Two Lakh Eighty thousand) only

[Signature]
18/11/24
Superintending Engineer
Rural Works Department
Work Circle: Muzaffarpur

[Signature]
18/11/24
Superintending Engineer
Rural Works Department
Work Circle: Muzaffarpur

Sl. No.	SDB SL NO	MORD Ref. No	Description	Unit	QUANTITY	RATE	AMOUNT (in Rs.)
1			Providing and Laying of Brick Bats Providing laying spreading & compacting Brick Bats including spreading in uniform thickness hand packing (Manual Means) Appendix - I	Cum	188.32		
			Total	Total	188.320	1251.23	235631.63
2		11.20	Construction of Embankment with Material Obtained from Borrow Pits Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 Appendix - II	Cum	40.500		
			Total	Total	40.50	166.07	6725.84
3		WRD 5.7.40	Sand bag Providing including labour for filling empty cement bag with local sand, stitching the bag and placing including supply of sutali etc. all complete as per approved design, specification and direction of E/ Appendix - III	Nos	1118		
			Total	Total	1,118.00	29.92	33450.56
Total Cost :-							275808.00

19/11/24
5E

Verified
14/11/2024
AE

14/11/24
AE

Name of Road :- L068 L041 . Bangra Nijamat

Block :- Sahebganj

Appendix - I

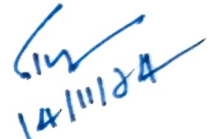
Measurement for Surfacing the breach Brick Bats								
S. No	Chainage (KM)	Nos	Length (M)	Width (M)	Av. Width (M)	Thickness (M)	Av. Thickness (M)	Quantity (Cum)
1		1	30	(4+5)/2	4.5	(1.5+1.4+1.3+2)/4	1.55	209.25
Total (Cum) :-								209.25
Deduction for Voids 10 % (Cum)								20.93
Total Quantity (Cum)								188.32


14/11/24

Junior Engineer,
Rural Works Department,
Work Section,
Sahebganj


14/11/2024

Assistant Engineer,
Rural Works Department,
Work Sub Division,
Sahebganj


14/11/24

Executive Engineer,
Rural Works Department,
Work Division,
Muzaffarpur West

Name of Road :- L068 L041 . Bangra Nijamat

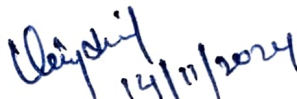
Block :- Sahebganj

Appendix - III

Measurement for Surfacing the Earth Filling							
S. No	Chainage	Nos	Length (M)	Width (M)	Av. Width (M)	Av. Thickness (M)	Quantity (Cum)
1		1	30	(4+5)/2	4.5	0.3	40.5
Total							40.5


14/11/24

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Rural Works Department,
Work Section,
Sahebganj


14/11/2024

Assistant Engineer,
Rural Works Department,
Work Sub Division,
Sahebganj



14/11/24

Executive Engineer,
Rural Works Department,
Work Division,
Muzaffarpur West

Nos of sand bag (0.034 cum 1Nos Sand Bag)


14/11/24

Junior Engineer,
Rural Works Department,
Work Section,
Sahebganj


14/11/2024

Assistant Engineer,
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Work Sub Division,
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Executive Engineer,
Rural Works Department,
Work Division,
Muzaffarpur West

RATE ANALYSIS

BRICK BATS PITCHING MANUAL MEANS

WRD SOR 6.6.1	Labour for laying Brick Bat Pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design, specification and direction of E/I.				
	Unit :- Per Cum				
	Taking Output = 2.832 Cum				
	a) Unskilled Mazdoor	Nos.	3	395.00	1185.00
	Rate for 2.832 Cum				1185.00
	Rate per Cum (Rs.) -				418.43

BRICK BATS PITCHING MANUAL MEANS

1.	Providing and Laying of Brick Bats Providing laying spreading & compacting Brick Bats including spreading in uniform thickness hand packing (Manual Means)				
A.	Basic Rate of Brick Bats	Per Cum	1	832.80	832.80
	Total (a+b+c)				832.80
C.	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1				418.43
	Total (A+B+C) -				1251.23
	Cost per Cum			Rs.-	1251.23
	Total Cost per Cum				1251.23
WRD 5.7.7	Labour for cutting and fixing of 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I				
	Unit = Per M				
	Taking out put = 30.50 m				
	Assuming 20 no Pile sunk 1.525 m deeps				
	Total depth sunk 30.50 m				
	a) Labour				
	Carpenter Gr-II	No.	0.25	531.00	132.75
	Unskilled Labour for Piling	No.	2.5	395.00	987.50
	b) Material				
	Bamboo (2nd class) 75 mm dia, 1.8-2.5 m Long	M	30.5	17.66	538.63
	Total cost for 30.5 m (a+b)				1658.88
	Total Cost (a+b+c+d)				1658.88
	Rate Per Metre = (a+b+c+d)/30.5	Rm			54.39
	Total Cost Per Metre	Rm			54.39
WRD 5.7.8	Labour for fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G. I. wire or nails complete job as per specification and				
	Unit = Per Sqm				
	Taking out put = 9.30 Sqm				
	Assuming strip of 3.05 x 3.05 = 9.30 Sqm				
	a) Labour				
	Carpenter Gr-II	No.	1	531.00	531.00
	Unskilled Labour for Piling	No.	1	395.00	395.00
	b) Material				
	Bamboo (2nd class) 75 mm dia, 1.8-2.5 m Long	m	11	17.66	194.26
	75 mm to 100 mm long nails	Kg	0.25	58	14.50

BRICK BATS PITCHING MANUAL MEANS

	Total cost for 9.30 m (a+b)				
	Total Cost (a+b+c)				1134.76
	Rate Per Metre = (a+b+c)/9.30	Sqm			1134.76
	Total Cost Per Metre	Rm			122.02
WRD 5.7.9	Labour for fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every verticle pile with 150 mm long nails or 38 swg G. I. wire including cost of G.I. or nails complete job as per specification and direction of E/I				
	Unit = Per M				
	Taking out put = 30.50 m				
	a) Material				
	Bamboo (2nd class) 75 mm dia, 1.8-2.5 m Long	m	30.5	17.66	538.63
	Cost of 150 mm long nails	Kg	0.5	58	29.00
	b) Labour				
	Carpenter Gr-II	No.	0.125	531.00	66.38
	Unskilled Labour for Piling	No.	0.25	395.00	98.75
	Total cost for 30.5 m (a+b)				732.76
	Total Cost (a+b+c)				732.76
	Rate Per Metre = (a+b+c)/30.5	Rm			24.02
	Total Cost Per Metre	Rm			24.02

BRICK BATS PITCHING MANUAL MEANS

WRD 5.7.40	Providing including labour for filling empty cement bag with local sand, stitching the bag and placing including supply of sutali etc. all complete as per approved design, specification and direction of E/			
	Unit = Per Nos			
	Taking out put = 100 Nos			
	a) For Filling, Stitching & Stacking			
	Unskilled Mazdoor for filling bags and sewing	No.	2	395.00
				790.00
	Sutali	Kg	0.5	19.75
				9.88
	b) Labour rate for carring & Placing filled E.C. Bags			
	Unskilled Mazdoor for carrying bags and placing to work site	No.	3	395
				1185.00
	Total cost for 100 Nos (a+b)			1984.88
	Total Labour Per Bag			19.85
	c) Materials			
	Supply Empty Cement Bag			
	Unit = No.			
	Taking output = 1 Nos			
	Labour			
	Cost of Empty cement bag	Nos.	1	6.02
				6.02
	Cost of Local Sand	Cum	0.0347	116.70
				4.05
	Total Cost (a+b+c)			29.92
	Total Cost (a+b+c+d)			29.92
	Total Cost Per Bag			29.92
	Total Cost per Cum			29.92

Chapter 3

EARTHWORK, EROSION CONTROL AND DRAINAGE

Sr. No.	Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
3.4	301.5	Construction of Embankment with Material Obtained from Borrow Pits				
		Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5				
		Unit = cum				
		Taking output = 100 cum				
		a) Labour				
		Mate	day	0.04	397.00	15.88
		Mazdoor (Unskilled)	day	1.00	395.00	395.00
		b) Machinery				
		Hydraulic Excavator 0.90 cum bucket capacity @ 60 cum per hour	hour	1.67	1,145.60	1,913.15
		Tipper 5.5 cum with 10 t capacity	hour	4.50	1,152.80	5,187.60
		10% of cost of Carriage	cum			518.76
		Dozer D-50 for spreading @ 200 cum per hour		0.50	1,289.60	644.80
		Tractor Mounted Grading Arrangement 50 cum/h	hour	1.00	567.20	567.20
		Water tanker 6 kl capacity	hour	2.00	752.00	1,504.00
		Three wheel 80-100 kN Static Roller @ 80 cum per hour	hour	1.25	1,289.60	1,612.00
		c) Material				
		Water	kl	12.00	60.30	723.60
		Compensation for earth taken from private land	cum	100.00	35.25	3,525.00
		Cost for 100 cum = a+b+c+d+e				16,606.99
		Rate per cum = (a+b+c+d+e)/100				166.07
		Rate Adopted in DPR				166.07

Chapter 11
FOUNDATION

Sr. No.	Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
11.2	300 & 1200	<p>Fillling in Kiln Rubbish as per drawing and technical specification Clause 305.3.9</p> <p>I. Kiln Rubbish</p> <p>Unit = cum</p> <p>a) Labour</p> <p>Mate day 0.01 397.00 3.97</p> <p>Mazdoor (Unskilled) day 0.30 395.00 118.50</p> <p>b) Material</p> <p>Rubbish cum 1.20 290.78 348.94</p> <p>Rate per cum = a+b+c (If fine Sand Used) 471.41</p> <p>Rate Adopted in DPR 471.41</p>				