



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2024-25)

STATE :- BIHAR

DICTRICT :- SAHARSA

BLOCK :- SIMRIBAKHTIYARPUR

DIVISION :- SIMRIBAKHTIYARPUR

**DETAILED ESTIMATE FOR TEMPRORY RESTORATION OF  
ROAD FROM T03 TO KHARA MUSHARI(VR38).**

Flood affected Length of Road	:-	0.228 Km
TOTAL COST OF PAVEMENT	:-	Rs. 5,057,488.54
TOTAL PROJECT COST	:-	Rs. 5,057,488.54

Submitted By:  
Executive Engineer  
RWD (W) Division, Simri Bakhtiyarpur

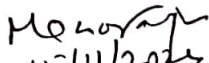
Prepared By:  
Executive Engineer  
RWD (W) Division, Simri Bakhtiyarpur

# प्रतिवेदन


पथ का नाम :- L071-T03 to Khara Mushari (VR38)  
पथ की लंबाई :- 10.485 कि०मी०  
बाढ़ से क्षतिग्रस्त भाग :- 228 मी०  
प्राक्कलित राशि :- 5057488.00  
कार्य प्रमंडल :- सिमरी बख्तियारपुर  
कार्य अंचल :- सहरसा  
योजना शीर्ष :- FDR  
योजना वर्ष :- 2024 - 25

प्रस्तुत प्राक्कलन कार्य प्रमंडल, सिमरी बख्तियारपुर अंतर्गत सिमरी बख्तियारपुर प्रखंड में 2024-25 में आई भीषण बाढ़ से क्षतिग्रस्त पथ में गरममति गद से यातायात चालू करने हेतु अस्थायी पुनर्स्थापन के अंतर्गत कराये गये कार्य के लिये तैयार किया गया है। पथ में चैनेज-0.68 KM, 0.750 KM, 1.02 KM, 1.045 KM, 1.324 KM, 1.528 KM, 2.708 KM, 3.300 KM, 3.710 KM, 3.980 KM, 4.850 KM, 4.450 KM, 5.50 KM, 5.51 KM, 5.62KM, 6.02KM, 6.38KM, 6.56KM, 7.02KM, 8.30KM, में भारी कटाव एवं अत्यधिक जल जमाव हो जाने से यातायात पूर्णरूप से अवरुद्ध हो जाने के कारण तत्काल यातायात बहाल करने हेतु विभागीय निदेशानुसार Drone Time Stamp Videography एवं Geotag Photograph संधारित कर MIS के FDR Module में प्रविष्टि करते हुए पथ के क्षतिग्रस्त भाग में आवश्यकतानुसार Brick Bats भरकर यातायात चालू करने हेतु अस्थायी पुनर्स्थापन कार्य कराया गया है। जिसकी प्राक्कलित राशि Rs 5057488.00 है।

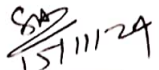
प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू सूचित प्रावधानों एवं वर्तमान अनुसूचित दर के अनुसार कार्यहित एवं स्थलीय आवश्यकता के अनुरूप तैयार किया गया है। जिसमें Contractor Profit एवं Overhead Charge शून्य रखा गया है। अतः अस्थायी पुनर्स्थापन कार्य के तहत कराये कार्य के भुगतान हेतु प्राक्कलन अग्रेतर कारवाई हेतु समर्पित ।

  
15/11/2024

कनीय अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, सिमरी बख्तियारपुर।

  
15-11-24

सहायक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, सिमरी बख्तियारपुर।

  
15/11/24

कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, सिमरी बख्तियारपुर।

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY  
RESTORATION OF ROAD FROM T03 TO KHARA  
MUSHARI(VR38).

DIVISION :- SIMRIBAKHTIYARPUR

BLOCK :- SIMRIBAKHTIYARPUR

Flood Affected Length of Road :- 0.228 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	4,076,025.12
2	Add:-Labour Cess @1% amt. =	40,760.25
3	Add:GST@18% on amt. =	733,684.52
4	Add:S.F.@ 10% on Material =	207,018.66
TOTAL RESTORATION COST OF THE PROJECT IN LACS		5,057,488.54

*Manojan*  
15/11/2024

Junior Engineer  
RWD (W) Division, Simri Bakhtiyarpur

*SPR*  
15-11-24

Assistant Engineer  
RWD (W)  
Division, Simri Bakhtiyarpur

*Su*  
15/11/24

Executive Engineer  
RWD (W)  
Division, Simri Bakhtiyarpur

*Provisionally technically approved for Rs. 5,057,488.54 (Rupees fifty lacs - fifty seven thousand four hundred eighty eight only.)*

*R*  
29/11/24  
Superintending Engineer  
R W.D. Works Circle  
SAHARSA  
29.11.24



## Cost Estimate For Flood Restoration Work

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY  
RESTORATION OF ROAD FROM T03 TO KHARA  
MUSHARI(VR38).

BLOCK :- SIMRIBAKHTIYARPUR  
DISTRICT :- SAHARSA

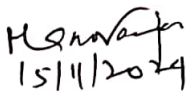
S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	0.00	Cum	580.07	0.00
2/2	A/R	Providing & laying Brick Bat....				
		Providing and laying of Brick bat obtained from chimney with mechanical means with all spreading, grading to required slope and compacted at OMC to achieve required density with all complete as per the direction of engineer in charge.	1988.65	Cum	2049.64	4076025.12
3/3	5.7.7	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I	0.00	m	53.18	0.00
4/4	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 direction of E/I	0.00	sqm	96.06	0.00
5/5	5.7.9	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I	0.00	m	6.12	0.00
6/6		Supply of Bamboo at site.	0.00	nos.	168.68	0.00
7/7	5.7.40.1	Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I	0.00	nos.	37.43	0.00
8/8	5.7.40.2	Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)	0.00	Each	188.27	0.00
9/9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	0.00	Cum	2352.09	0.00
10/10	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	0.00	m	3669.12	0.00
					Say	4076025.12
						207018.68
		Seigniorage Fees				733684.52
		Add @18% GST				40760.25
		Add @1% Labour Cess				5057488.54
					Say	5057488.54

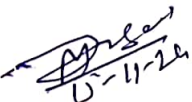
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Details of Measurement							
Detail of Works	No.	पेमाईस					Quantity.
		Length	Width	Width	Height	Height	
		In m.	In m.		In m.		
NAME OF ROAD :-		DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM T03 TO KHARA MUSHARI(VR38).					
Item No. 1	Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.						
CH:-in 0.680 Km.	1	25.00	(2.0+2.2)/2	2.10	(2.4+3.0)/2	2.70	141.750
CH:-in 0.705 Km.	1	2.00	(3.0+1.2+2.2)/3	2.13	(0.8+2.0)/2	1.40	5.973
CH:-in 1.020 Km.	1	10.00	(1.2+1.4)/2	1.30	(2.5+2.9)/2	2.70	35.100
CH:-in 1.045 Km.	1	12.00	(1.2+1.3)/2	1.25	(2.3+3.4)/2	2.850	42.750
CH:-in 1.324 Km.	1	25.00	(1.4+1.2)/2	1.30	(2.4+3.0)/2	2.70	87.750
CH:-in 1.528Km.	1	5.00	(2.2+2.1)/2	2.15	(2.1+3.4)/2	2.750	29.563
CH:-in 2.708 Km.	1	35.00	(2.2+2.4)/2	2.30	(4.5+3.4)/2	3.95	317.975
CH:-in3.300 Km.	1	18.00	(1.2+1.8)/2	1.50	(2.1+1.8)/2	1.95	52.650
CH:-in 3.710 Km.	1	15.00	(3.75+7.8)/2	5.78		2.96	256.410
CH:-in 3.980 Km.	1	5.00	(1.2+2.4)/2	1.80	(2.1+4.1)/2	3.10	27.900
CH:-in 4.850 Km.	1	8.00	(3.85+4.2)/2	4.03	(3.1+4.2)/2	2.98	95.956
CH:-in 5.450 Km.	1	7.00	(3.85+7.5)/2	5.68		3.10	123.148
CH:-in 5.500 Km.	1	2.00	(4.8+5.2)/2	5.00	(2.9+3)/2	2.95	29.500
CH:-in 5.510 Km.	1	18.00	(4.8+7.5)/2	6.15	(2.9+3)/2	3.00	332.100
CH:-in 5.620 Km.	1	8.00	(2.5+2.8)/2	2.65	(2.8+2.5)/2	2.65	56.180
CH:-in 6.020 Km.	1	5.00	(5.4+6.4)/2	5.90		2.80	82.600
CH:-in 6.380 Km.	1	12.00	(5.0+8.20)/2	6.60		2.50	198.000
CH:-in 6.560 Km.	1	4.00	(1.2+2.4)/2	1.80	(0.8+1.0)/2	0.90	6.480
CH:-in 7.020 Km.	1	5.00	(2.2+3.4)/2	2.80	(1.6+2.2)/2	1.90	26.600
CH:-in 8.300 Km.	1	7.00	(2.4+3.5)/2	2.95	(1.1+2.8)/2	1.95	40.268
		228.00	Total (in Cum)				1988.652

  
 15/11/2024  
 Junior Engineer  
 RWD (W) Division, SimriBakhtiyarpur

  
 15-11-24  
 Assistant Engineer  
 RWD (W) Division, SimriBakhtiyarpur

  
 15/11/24  
 Executive Engineer  
 RWD (W) Division, SimriBakhtiyarpur