

Govt. of Bihar



**DETAILED ESTIMATE FOR REPAIR OF FLOOD
FDR-(2024-2025)**

NAME OF WORK :-DETAILED ESTIMATE FOR REPAIR OF FLOOD DAMAGE
PAKARIYA MORE DARHI TO PAKARIYA UTTRI TOLA

RURAL WORKS DEPARTMENT GOVT. OF BIHAR



NAME OF WORK :-DETAILED ESTIMATE FOR REPAIR OF FLOOD DAMAGE
PAKARIYA MORE DARHI TO PAKARIYA UTTRI TOLA

STATE :-	BIHAR	DISTRICT :-	BANKA
BLOCK :-	SHAMBHUGANJ	DAMAGE LENGTH- 41M	
Total Construction cost (including GST and Labour Cess & S.F.) (Excluded CP & Overhead charge) :-		2.3892	Lakh
Drone Photography @ Rs.-5000/ per stage + still Photography of dimage and Restoration work Rs.-5500/ = 15000+5500=20500/-		0.2050	Lakh
Total Construction cost:-		1.92685 Lakh	

Submitted By:-

**Executive Engineer
RWD (w) Division, Banka-1**

ग्रामीण कार्य विभाग कार्य प्रमंडल बांका-1

Details of FDR Road & Bridge											
SlNo	Block	Road/Bridge Name	Scheme Name	Status (Comp./OnGoing)	Is Maintenance (Y/N)	Length (In Km)	Approximate Damage Length During Flood(In Km)	Restoration Amount	Remarks	FDR Fin Year	Type
								(In Lakh)			(R/B)
1	Shambhuganj	Shambhuganj Asarganj path to birnaudha path	MIR	Completed	No	4.64	0.015	15	Road damage due to excessive rainfall and heavy current of Canal	2024-25	Road
2	Shambhuganj	Pakariya More Rampur Dhadhi to Pakariya Uttari Tola	MMGSY[SC]	Completed	Yes	0.895	0.041	1	Road damage due to excessive rainfall and heavy current in the Canal	2024-25	Road
3	Shambhuganj	KHESHAH TARAPUR TO JILANI	MIR	Completed	No	18.4	0.022	8	Constructed diversion damaged due to excessive discharge in the River	2024-25	Road

तकनीकी प्रतिवेदन (FDR-2023-24)

कार्य प्रमंडल का नाम	- बांका-1
कार्य अंचल का नाम	- भागलपुर
योजना शीर्ष	- FDR
योजना का नाम	- पकरिया रामपुर डाढ़ी पकरिया उत्तरी टोला
पथ की लंबाई	- 0.895 KM (Dermay Length - 0.041 KM)
प्राक्कलित राशि	- 1.92685 लाख 2.5842 लाख

वर्णित पथ पकरिया रामपुर डाढ़ी पकरिया उत्तरी टोला में चैनेज-0.550 कि०मी० से 0.565 कि०मी० एवं चैनेज-0.580 कि०मी० से 0.606 कि०मी० पर पथ के किनारे पकरिया नहर में अतिवृष्टि / नहर में धारा प्रवाह अधिक होने के कारण पथ की आंशिक भाग-15 मीटर एवं 26 मीटर (कुल 41 मीटर) आंशिक रूप से क्षतिग्रस्त हो गया जिसके कारण पथ में आवागमन बंद हो गयी।

क्षतिग्रस्त पथांशों को Brick-Bats एवं Sand Bags देकर ठीक कराया गया जिससे कि आवागमन बहाल हो गयी। कराये गए कार्य का प्राक्कलन स्वीकृत अनुसूचित दर पर तैयार किया गया है। कार्य का विवरण MIS के FDR Module में प्रविष्ट किया गया है। कार्य पूर्ण कराये जाने के उपरान्त प्राक्कलन को तकनीकी अनुमोदन-सह-तकनीकी स्वीकृति आपेक्षित है।

502/13.11.24
कनीय अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रशाखा, शंभुगंज-1

सहायक अभियंता
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल, शंभुगंज

13.11.24
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, बांका-1

GENERAL ABSTRACT OF COST		
NAME OF WORK :-DETAILED ESTIMATE FOR REPAIR OF FLOOD DIMAGE PAKARIYA MORE DARHI TO PAKARIYA UTTRI TOLA		
DISTRICT	BANKA	
BLOCK	SHAMBHUGANJ	
DIMAGE LENGTH -0.041 KM		
Sl. No.	DESCRIPTION	AMOUNT (IN RS.)
A	Total Construction cost (Including GSt and Labour Cess & S.F.) (Excluded CP & Overhead charge) :-	238921.00 192685.00
B	Drone Photography @ Rs.-5000/ per stage + still Photography of dimage and Restoration work Rs.-5500/ = 15000+5500=20500/-	20500.00
	Total Construction cost:-	259421.000
	SAY Rs. In Lakh-	2.5942

213185.00
1,92,685.00 = 1.92685

So 13.11.24

JE

AE

Priyam
13.11.24
Executive Engineer
RWD (w) Division,
Banka-1

T/s (provisionally) is accorded for Rs-1,92,685=00 (Rupees one lakh ninety two thousand six hundred eighty five) only.

Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
27/11/24

SUMMARY OF COST ESTIMATE FOR THE PROJECT		
NAME OF WORK :- DETAILED ESTIMATE FOR REPAIR OF FLOOD DAMAGE		
PAKARIYA MORE DARHI TO PAKARIYA UTTRI TOLA		
DISTRICT	BANKA	
BLOCK	SHAMBHUGANJ	
Sl. No.	DESCRIPTION	AMOUNT
1	FILLING OF BRICK BATS	184972.10
2	SAND BAG WITH LOCAL SAND	7713.00
	SUB TOTAL OF PAVEMENT COST =	238920.68
Total Construction cost (including GST and Labour Cess & S.F.) (EXCLUDED CP & OVERHEAD) :-		238920.68
SAY Rs.-		238921.000

192685.00

50/13.11.24
JE

AE

P. K. Singh
13.11.24
Executive Engineer
RWD (w) Division,
Banka-1

DETAIL ESTIMATE

Sl. No.	SDB SL. NO.	MORD Ref. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1			Providing and Filling of Brick Bats								
			Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorableas per S/D of E/I								
				Cum	1	15.00	1.00	1.80	27.000		
				Cum							
			LESS HP VOLUME	Cum	1	26.00	1.05	1.85	50.510		
								TOTAL-	77.510	M3	
				Cum		QTY. BRICK BAT			77.51	2,982.94	231207.60
			Less 20% voids (-) 15.5 M³								
1			PROVIDING SAND BAG WITH LOCAL SAND								
			Providing sand bag with local sand, stitching with sutli & placing stacking in position								
				Each		QTY. SAND BAG		180 NO.	180	42.85	7713.00
			Total Construction Cost (including GST, Labour Cess and S.F.) (A) :-								
			SAY RS.-								

Sanjay
13/11/24

Junior Engineer
RWD (w) Section, Shambhuganj

Assistant Engineer
RWD (w) Sub Division, Shambhuganj

Executive Engineer
RWD (w) Division, Banka-1

RATE OF BRICK BATS FILLING (MANUAL MEANS)

4.5	Providing and Filling of Brick Bats				
	Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorableas per S/D of E/I				
	Unit - cum				
	Taking output - 2.832 cum				
	a) Labour				
	Mazdoor(Unskilled)	Day	2.17	450.00	976.50
	b) Materials				0
	Brick Bats	CUM	3.396	2200.00	7471.20
	Total				8447.70
	Rate per cum= (a+b)/2.832				2982.94
	Total per t. per km				0.00
	Add Overhead @12%				0.00
	Add C.P @10%				0.00
	Total				0.00
	c) Carriage				
	Tractor 3.6 Tonnes capacity (2.25 cum)		1.000	0.00	0.00
					0.00
				Total	2982.94
	RATE PER CUM INCLUDING GST + L.CESS+S.F.				
	Providing and Filling of Local sand				
	b) Materials				
	Local sand		1.00	350.00	350.00
	Total				350.00
	Rate per cum= (a+b+c)/1				350.00
	Total				0.00
	Add Overhead @12%				0.00
	Add C.P.@10%				
	c) Carriage				
	Tractor 3.6 Tonnes capacity (2.25 cum)		1.050	0.00	0.00
				Total	350.00

Rate Analysis of Sand Bag with Local Sand

I	PROVIDING SAND BAG WITH LOCAL SAND				
	Providing sand bag with local sand, stiching with sutli & placing stacking in position				
	Taking output 100 no of bags				
A	Materials	UNIT	QTY.	RATE	AMOUNT
	RATE OF LOCAL SAND	CUM	3.47	350.00	1214.50
	RATE OF EC BAG	NO	100	7.90	790.00
	STICHING ROLL (NYLON)	NO.	1	30.00	30.00
B	Labour				
	U/S LABOUR FOR FILLING & STICHING	NO.	2	450.00	900.00
	U/S LABOUR FOR CARRYING & PLACING	NO.	3	450.00	1350.00
	TOTAL-				4284.50
C	CARRIAGE OF LOCAL SAND	CUM	3.470	0.00	0.00
	TOTAL-				4284.50
	ADD OHC+CP 22 % OHC				0.00
					4284.50
	RATE FOR PER BAG				42.85
	RATE PER BAG INCLUDING GST + L.CESS+S.F.				42.85
	Density of cement		1440Kg/m3		
	1 Bag cement weight		50Kg		
	Nos of bags required in 1 m3 (1440/50)		28.80		
	Volume of 1 bag (1/28.80)		0.0347 m3		

**EOI-CUM-Request for Empanelment of supply Agencies RATE FOR MATERIAL, LABOURS,
MACHINERIES SUPPLY-2024**

Division - Banka-1

I. MATERIALS

Sr.No.	Material	unit	Total (including 18 % GST,1 % L.C, 10% S.F) with Carriage upto worksite
1	Empty Cement Bags	Each	7.90
2	Bamboos	NO.	250.00
	(i) 75 MM Dia to 6M-8M Long	NO.	260.00
	(ii) 100 MM Dia to 6M-8M Long	Cum	2200.00
3	Brickbats	Cum	350.00
4	Local Sand	Cum	1440.00
5	Kiln Rubbish	M	3200.00
6	Hume Pipe (NP3) 600 mm Dia	M	7800.00
7	Hume Pipe (NP3) 1000 mm Dia	Cum	2550.00
8	Boulder Size 150 mm and Below	Cum	2575.00
9	Boulder with Minimum Size 300 mm and Below		
	Granular Sub base Material Grading -II		
	(i) 26.50 MM to 9.50 MM	Cum	2520.00
	(ii) 9.50 MM to 2.36 MM	Cum	2520.00
	(iii) 2.36 MM Below	Cum	2520.00
	Granular Sub base Material Grading -II :-		
10	Stone Metal Aggregates Gr-II	Cum	3120.00
11	Stone Metal Aggregates Gr-III	Cum	3250.00
12	Screening Material Type-B	Cum	2390.00

2. LABOUR RATE

Sr.No.	Labour	unit	Total (including 18 % GST,1 % L.C, 10% S.F) with Carriage upto worksite
1	Unskilled Labour	per day	450.00
2	Semi Skilled Labour	per day	470.00
3	Skilled Labour	per day	570.00
4	Mason	per day	540.00
5	Head Mason	per day	610.00
6	Bhisti	per day	460.00
7	Carpenter	per day	540.00
8	Head Carpenter	per day	654.00
9	Night Guard	per day	570.00
10	Electrician	per day	470.00

3. TOOLS , PLANT & MACHINERIES WITH DRIVER &

Sr.No.	Description of machine	unit	output of machine	Total (including 18 % GST ,1 % L.C)
1	Front End Loader 1.0 cum bucket capacity (JCB)	per hour	cum/hour	1600.00
2	8- 10 Ton Smooth wheeled roller	per hour	cum/hour	1800.00
3	Tractor with Trolley	Ton/Trip	cum/hour	800.00
4	Tipper	Ton/Trip	cum/hour	1700.00
5	Tractor with Ripper	Ton/Trip	cum/hour	843.71
6	Generator Set	per hour	KVA	1940.00

अधीक्षण अभियन्ता

ग्रामीण कार्य विभाग

राज्य अंचल, भागलपुर



Scanned with OKEN Scanner

Block - Shambhuganj

Schedule XLV. Form N.134

P.W.D

Name of work - Constⁿ of road for.
Pakasia messe Rampur Doshi to
Pakasia Uttarasi + 019

Rekd, BANJKA-I

DIVISION

Rekd, BANJKA

SUB DIVISION

Agg. no. 13 SPD/20-21

MANCAY (SC)

New Pfr N. 20 SPD/22-23.

MEASUREMENT BOOK 2320

Agency - Sarin, Kant Singh.

प्राणित किया जाता है कि इस भापी
पुस्त सं. 2320 में कुल 100 (एक
सौ) पृष्ठ हैं। यह भापी पुस्त श्री
पीतम कुमार, सहायक अभियंता,
ग्रामीण कार्य विभाग, कार्य अवर
प्रमोडल, शेमुंगी के मात्र से
निर्गत किया जाता है।

10.10.20
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमोडल, शेमुंगी
10.10.2020

Schedule XLV Form No. 134

.....DIVISION

.....SUB-DIVISION

MEASUREMENT BOOK 2320

Name of Office.....

Date of first entry.....

Date of last entry.....

FDR.

Name - (FDR) Pakriys More Rampur

Darhi to Pakriys Uttar To LG,

Damaged L = 0.041 km

Heal - FDR

1. P/v Laying Brick-Bat

$$15M \times (1.2 + 0.8) / 2 m \times 1.8m = 27 m^3$$

$$26M \times (1.3 + 0.8) / 2 m \times 1.8m = 50.51 m^3$$

$$\text{Less 20\% for voids} \quad \text{Net} = 77.51 m^3$$
$$= 62.00 m^3$$

2. P/v Laying sand Bars - 180 Nos.

For 29.9.24
SE

(Continuation)

99

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
1. Plr laying / Brick - Beds,					
Qty per M = 98					
62.0 / M ²					184.972 = W
27.58 M @ 2982.99 / M ²					231207.68
- Plr laying / Sump Beds					
Qty per M = 98					
180 Nos @ 42.85 / each					7713.20
			R	238290.68	
			Say L	238291 = N	
			R	192685	
GR 2 13.11.24					SR
		C & P			
		P.P.M			
		13.11.24			

Date of check	Pages recording measurement Subjected to test check.	Value of measurement checked	Number of bills check measured	Number of bills recorded in the measurement book during the year	Result of the check exercised	Date, initials and designation of the Checking Officer
1	2	8	4	5	6	7

N.B. - This result will be indicated by the work "Satisfactory" or "Unsatisfactory" as Judged at the time on the merit in each case.

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