



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

PLAN HEAD- FDR YEAR 2024-25

DISTRICT :- WEST CHAMPARAN

BLOCK :- BHITAH

Scheme Head - PMGSY (Out of Maintenance)

Estimate for Repair of ROAD breaches
(Damaged by Flood) for Motorability in
Khairatola Nawagawan Bridge to Semarban
Road

LENGTH OF ROAD (In Km) - 11.687 KM

DAMAGED LENGTH (In Km) - 0.100 KM

ESTIMATED COST - 2.371 Lacs

SUBMITTED BY:
EXECUTIVE ENGINEER,
RWD WORKS DIVISION,
BAGHA 2

GENERAL ABSTRACT OF COST

ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGED BY FLOOD) FOR MOTORIBILITY IN KHAIRATOLA NAWAGAWAN BRIDGE TO SEMARBAN ROAD

DISTRICT - WEST CHAMPARAN

DIVISION - BAGAHA 2

BLOCK - BHITAHA

LENGTH OF ROAD (in Km)- 11.687 KM

Scheme Head - PMGSY (Out of Maintenance) ,

SL. No.	Item of Work	Amount
1	EARTH WORK :	0.082 Lacs
2	BRICK BATS :	1.493 Lacs
3	SAND BAGS :	0.022 Lacs
4	BAMBOOS PILING AND RUNNER :	0.270 Lacs
5	HUME PIPE :	0.000 Lacs
	COST OF RESTORATION :	1.868 Lacs
	ADD SEIGNIORAGE FEE @ 10% OF MATERIAL COST :	0.145 Lacs
	ADD LABOUR CESS @ 1% :	0.019 Lacs
	ADD GST @ 18% (Cost of Restoration+Labour Cess) :	0.340 Lacs
	TOTAL COST OF RESTORATION OF ROAD :	2.371 Lacs

13/11/24
Junior Engineer

13/11/24
Asstt. Engineer

14-11-24
Executive Engineer

Executive Engineer
RWD (W) Div Bagha-2

Approved *14/11/24*
Technical Sanctioned for Rs 2.371 Lacs (Rupees two
lakh thirty seven thousand one hundred) only

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, बेतिया
14/11/24

SEIGNIORAGE FEE CALCULATION SHEET

Item description	unit	Quantity of Consuming Item	Materials Required/ Unit	Unit	Quantity/ Unit	Total Quantity Required	Rate	Amount	Seigniorage Fee (RS)	Final Amount (RS)
Earth Work	Cum	52.90	Earth	Cum	1.0	52.90	35.25	1864.73	186.47	186.47
Brick bats	Cum	73.99	Brick bats	Cum	1.2	88.79	1600.00	142060.80	14206.08	14206.08
Sand Bags	per bag	136.00	sand	Cum	0.034	4.62	150.00	693.60	69.36	69.36
1000 MM Dia	RM	0.00	Sand at site	Cum	0.04	0.00	0.00	0.00	0.00	0.00
600 MM Dia	RM	0.00	Sand at site	Cum	0.0032	0.00	0.00	0.00	0.00	0.00
Total Amount of seigniorage fee in construction (Rs)										14461.91

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Executive Engineer,
RWD (W) Div Bagha-2

Name of Work:- Estimate for Repair of ROAD breaches (Damaged by Flood) for Motorability in Khairatola
Nawagawan Bridge to Semarban Road

Head - FDR

SI No.	Item No.	Name of Item	unit	No	Length	Width	Height	Qty.	Rate	Amount
1		EARTH WORK - 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	cum		As Per Appendix I			52.9	154.27	8160.883
2		Providing and Labour for laying dry graded Brick Bats including light ramming etc. all complete as per approved design, specification and direction of E/I.	cum		As Per Appendix II			73.990	2018.43	149343.64
3		Providing, Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/I.	Nos.		As Per Appendix III			136.000	16.50	2244.00
4		Providing and Labour for cutting 62 mm to 75 dia Bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I.	RM		As Per Appendix IV			165.200	59.48	9826.10
5		Providing and Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every virtual pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails etc. complete job as per specification and direction of E/I.	RM		As Per Appendix IV			630.000	27.29	17192.70
6		Providing and laying 1000 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.	RM		0 Nos*2.5m			0.000	6626.07	0.00
7		Providing and laying 600 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.	RM		0 Nos*2.5m			0.000	2891.42	0.00
TOTAL (in Re.)										186767.31

[Signature]
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Rural Works Department,
Works Section, BHITAH

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13/11/24
Assistant Engineer,
Rural Works Department,
Works Sub Division, BHITAH

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Executive Engineer,
Rural Works Department,
Works Division, BAGAH 2

Name of Work:-

Estimate for Repair of ROAD breaches (Damaged by Flood) for
Motorability in Khairatola Nawagawan Bridge to Semarban Road

Appendix - I

Measurement for surfacing the Breach with EARTH WORK

Sl. No.	Chainage	Nos	Length (M)	Width (M)	Thickness (M)	Quantity (cum)
1		1	15.00	1.05 Av.	1.20 Av.	18.90
2		1	5.00	1.10 Av.	1.60 Av.	8.80
3		1	14.00	1.00 Av.	1.80 Av.	25.20
			Total			52.90
						0.00
			Deduction for 0Nos old 1000 mm HP at 0 m (3.142*0.36*0)			0.00
			Deduction for 0Nos old 600 mm HP at 0 m (3.142*0.22*0)			0.00
			Net Quantity of Earth Work -			52.90

13/11/24

Junior Engineer

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Assistant Engineer

14/11/24

Executive Engineer

Executive Engineer

RWD, Works Division, Bagaha-2

Estimate for Repair of ROAD breaches (Damaged by Flood) for Motorability in Khairatola Nawagawan Bridge to Semarban Road

Junior Engineer

Assistant Engineer

Executive Engineer

Executive Engineer
RWD (W) Div Bagha-2

Name of Work:-

Estimate for Repair of ROAD breaches (Damaged
by Flood) for Motorability in Khairatola
Nawagawan Bridge to Semarban Road

Appendix - III						
Measurement for surfacing the Breach with Sand Bags						
Sl. No.	Chainage	Nos	Length (M)	Av. Width	Thicknes s (M)	Quantity (cum)
1		1	6.00	2.00 Av.	0.50 Av.	6.00
2		0	0.00	0.00 Av.	0.00 Av.	0.00
3		0	0.00	0.00 Av.	0.00 Av.	0.00
4		0	0.00	0.00 Av.	0.00 Av.	0.00
			Total			6.00

	6.00	X	35.28	211.68
			LESS 20%	169.344
BAGS	169.344	/	1.25	136 Nos.

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RWD (W) Div Bagha-2

Name of Work:-

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by Flood) for Motorability in Khairatola
Nawagawan Bridge to Semarban Road

Appendix - IV						
Measurement for Bamboo Piles						
Sl. No.	Chainage	Nos	Length (M)		C/C (M)	Quantity (Nos.)
1		1	35.00	/	0.600	59.00
			Total			59.00

59.00 X 2.8 M 165.20

Bamboo Length for Piles

165.20 M

Measurement for Bamboo Runner						
Sl. No.	Chainage	Nos	Length (M)		No.	Quantity (M)
1		30	7.00	/	3	630.00
			Total			630.00

Bamboo Length for Runner

630.00 M

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Chapter 3

EARTHWORK

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	411.00	16.44
		Mazdoor (Unskilled)	day	1.00	395.00	395.00
		b) Machinery				
		Hydraulic Excavator 0.90 cum bucket capacity (JCB)	hour	1.67	1,603.00	2,677.01
		Tipper 5.5 cum with 10 t capacity	hour	4.50	1,375.00	6,187.50
		10% of cost of Carriage	cum			618.75
		Tractor with ripper	hour	1.00	695.00	695.00
		8-10 Ton Smooth Wheeled Roller	hour	1.25	1,050.00	1,312.50
		c) Material				
		Compensation for earth taken from private land	cum	100.00	35.25	3,525.00
		Cost for 100 cum = a+b+c+d+e				15,427.20
		Rate per cum = (a+b+c+d+e)/100				154.27
		Final Rate in DPR				

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BRICK BATS PITCHING MANUAL MEANS

6.6.1 WRD Bihar	Labour for laying dry graded Jhama Khoa or stone filter under Brick 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			
	Unskilled Mazdoor			
	Add 6% Overhead Charges	Nos.	3	395.00
	Rate for 2.832 Cum			1185.00
	Rate per Cum (Rs.) -			0
				1185.00
				418.43
1.	Suplying for Brick Bats (without Seigniorage Fee)			
A.	Brick Bats with Carriage	Per Cum	1600.00	1600.00
B.	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1			418.43
	Total (A+B) -			2018.43
	Add 1% Labour Cess (A+B+C)			0.00
	Add 12% GST (A+B+C)			0.00
	Add 10% cost of Material for Seigniorage Fee	1	0.00	0.00
	Total Cost per Cum		Rs.-	2018.43

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PROVIDING AND PLACING SAND BAGS

Ref. RCD SoR (12.9)	Labour for Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/I.				
	Unit :- Per Bag				
	Taking Output = 750 Bag				
	Unskilled Mazdoor	Nos.	15	395.00	5925.00
	Add 6% Overhead Charges				0.00
	Rate for 750 Bag				5925.00
	Mazdoor Rate per Bag (Rs.) -				7.90
1.	Suplying of Empty Cement Bag filled with Local Sand				
A.	Rate of Empty Cement Bag	Per Bag		3.50	3.50
	Add Royalty (450 Bricks/Cum)		450	0.000	0.00
	Add overhed Charges		0%		0.00
	Total -				3.50
B.	Suplying for Local Sand (without Seigniorage Fee)				
	Rate of Local Sand with Carriage	Cum		150.00	150.00
	Add Royalty (450 Bricks/Cum)		450	0.000	0.00
	Add overhed Charges		0%		0.00
	1 No. Cement Bag filled with 40 Kg. / 1.2 CuFt Sand				
	Conversion factor: 1 m3 = 35.3146667 ft3				
	1) Cubic Meter = Cubic Foot / 35.3146667				
	2) Cubic Meter = 1.2 / 35.3146667				
	3) Cubic Meter = 0.034				
	Hence 1 No. Sand Bag Filled with 0.034 Cum Sand				
	Total Cost of Local Sand -		0.034	150.00	5.10
C.	Cost of Labour for Filling Sand Bag, Stitching and Placing (with OH)				
					7.90
	Total (A+B+C) -				
					16.50
	Add 1% Labour Cess (A+B+C)				0.00
	Add 12% GST (A+B+C)				0.00
	Add 10% cost of Material for Seigniorage Fee		0.034	14.48	0.00
	Total Cost per Bag			Rs.-	16.50

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Executive Engineer
RWD, Works Division, Bagaha-2

SOR WRD
5.7.7

Labour for cutting 62 mm to 75 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 Output :- 30.5 M

(Assuming 20 nos pile sunk 1.525 M deep) total depth sunk = 9.30 M

Carpentar

Unskilled Mazdoor

0.25 Nos.	500.00	125.00
2.5 Nos.	395.00	987.50

Rate for 30.50 M

1112.50

Cost of Labour for cutting per M

36.48

Suplying for Bamboos 75mm dia, 6m to 8m long

1 M	23.00	23.00
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Final Rate per M

59.48

SOR WRD
5.7.9

Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every vritical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails etc. complete job as per specification and direction of E/I.

Unit :- Per M
Taking Output :- 30.5 M

(Assuming 20 nos pile sunk 1.525 M deep) total depth sunk = 9.30 M

Cost of 150 mm Long Nails

0.5 Kg	64.41	32.21
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Carpentar

0.125 Nos.	-	0.00
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Unskilled Mazdoor

0.25 Nos.	395.00	98.75
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Rate for 30.50 M

130.96

Cost of Labour for fitting & fixing per M

4.29

Suplying for Bamboos 75mm dia, 6m to 8m long

1 M	23.00	23.00
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Final Rate per M

27.29

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14-11-24
Executive Engineer
RWD, Works Division, Bagaha-2



अधीक्षण अभियन्ता का कार्यालय

ग्रामीण कार्य विभाग, कार्य अंचल, बेतिया

Email ID- se.betia.rwd@gmail.com

पत्रांक- 744

बेतिया दिनांक- 30/7/2024

प्रेषक,

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग,
कार्य अंचल, बेतिया।

सेवा में

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, बगहा-2।

विषय:-

शीर्ष FDR योजना अंतर्गत ग्रामीण कार्य विभाग कार्य प्रमंडल, बगहा-2 के अधीन अल्प कालिन निविदा आमंत्रण सूचना NO-RWD/FDR/BIHAR/01 (2024-2025) के प्राप्त कोटेशन की स्वीकृति के संबंध में।

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संबंध में इस कार्य को सफल समतुल्य कोटेशन दाता क्रमशः नाम 1 UJJAIN INFRASTRUCTURE PVT.LTD. 2 APRAJEETA INFRA DEVELOPERS PVT.LTD. 3 M/S RAJ CONSTRUCTION 4 BRANZO PROJECTS PRIVATE LIMITED 5 SOLANKI ENGICON PRIVATE LIMITED 6 M/S SHAMA CONSTRUCTION 7 MANISH KUMAR SINGH 8 M/S SABIR HUSAIN 9 PRITI DEVI 10 RAVI KUMAR TIWARI की स्वीकृति इनके द्वारा Quoted Itemwise L01 दर पर एवं 1000 MM Dia Hume Pipe के लिए Itemwise L02 दर पर प्रदान की जाती है। साथ ही दर की प्रति संलग्न की जाती है।

- कोटेशन की स्वीकृति सिर्फ इसी कार्य के लिए है, जो भविष्य में पूर्वाधारण नहीं होगी।
- एकरारनामा करने से पहले संबंधित सभी सफल निविदाकारों से अग्रधन की राशि ₹0 1,00,000/- (एक लाख ₹0 मात्र) FD के रूप में कार्यपालक अभियन्ता के पदनाम से प्रतिज्ञित कराकर प्राप्त करना सुनिश्चित करेंगे।
- कोटेशन के द्वारा एकरारनामा के लिए जमा की गई राशि एवं निविदा के साथ जमा किये गये संबंधित अग्रधन की राशि का सत्यापन संबंधित बैंक से कराकर प्रमंडलीय कार्यालय में अभिलेखित किया जायेगा। कार्यपालक अभियन्ता अधोहस्ताक्षरी को उपलब्ध कराया जाना सुनिश्चित करेंगे।
- एकरारनामा के पूर्व निविदा सूचना के अनुसार सभी वांछित कागजातों की अद्यतन स्वच्छ एवं सत्यापित प्रति निश्चित रूप से प्राप्त कर लिया जाएगा एवं मूल कागजात से मिलान कर लेंगे। साथ ही एकरारनामा के समय कोटेशन दाता इस आशय का शपथ-पत्र ले लेंगे कि सरकारी अनुसूचित दर पर कार्य ससमय करेंगे।
- कार्य में व्यवहृत समाग्रियों का दर अनुसूचित में स्वीकृत लीड के आधार पर दिया गया है, कार्य करते समय अगर इसमें कमी पाई जाती है तो उसके दर में सापेक्ष कमी कर दी जायेगी।
- इस कार्य के संबंध में निविदा आमंत्रण सूचना में उल्लिखित शर्त एकरारनामा का भाग होगा, जिसे विशेष शर्त में जोड़कर संवेदक के साथ एकरारनामा किया जायेगा।
- अनुमोदन किये गये तुलनात्मक विवरणी के प्रत्येक बिन्दु की जाँच अपने स्तर से स्वयं कर लेंगे एवं त्रुटी पाये जाने की स्थिति में वस्तुस्थिति से तत्क्षण अधोहस्ताक्षरी को अवगत करायेंगे। त्रुटी के सुधारोपरांत एकरारनामा की कार्यवाई की जायेगी।

- 9 एकसरनामा के समय प्रत्येक मद के भाषा की शुद्धता की जाँच कार्यपालक अभियंता स्वयं कर सुनिश्चित करेंगे कि इसमें कोई त्रुटी ना हो ।
- 10 वांछित कागजात के साथ उपस्थित नहीं होने पर अद्योहस्ताक्षरी को अवगत कराया जाये, जिसमें कार्रवाई की जा सकें ।
- 11 इस कार्य का व्यय FDR योजना अंतर्गत वित्तीय वर्ष 2024-25 के उपबंधित राशि से विकलित होगा ।
- 12 कार्यपालक अभियंता कार्य प्रारम्भ के पूर्व सुनिश्चित कर लेंगे कि किसी अन्य एजेंसी द्वारा कार्य नहीं कराया जा रहा है ।
- 13 एकसरनामा से पूर्व अपने स्तर से आश्वस्त हो लिया जाए कि निविदाकार डिफ्ल्टर सूची में नहीं है ।
- 14 कार्यपालक अभियंता एकसरनामा करने के पूर्व संवेदक का निबंधन सं० पूर्ण पता एवं दूरभाष सं० कार्यदिश में अंकित करेंगे तथा इस कार्यालय को सूचित करेंगे ।

विश्वासभाजन

अधीक्षण अभियंता

ग्रामीण कार्य विभाग, कार्य अंचल, बेतिया
30/7/24

ज्ञापांक 744 / बेतिया, दिनांक 30/7/2024

प्रतिलिपि:- मुख्य अभियंता-5/ अभियंता प्रमुख/ नोडल पदाधिकारी, FDR कोषांग, ग्रामीण, कार्य विभाग, बिहार, पटना को सूचनार्थ समर्पित।

अधीक्षण अभियंता

ग्रामीण कार्य विभाग कार्य अंचल, बेतिया

30/7/24