



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

PLAN HEAD- FDR YEAR 2024-25

DISTRICT :- WEST CHAMPARAN
BLOCK :- BHITAH

Scheme Head - MMGSY (In Maintenance)

Estimate for Repair of ROAD breaches
(Damaged by Flood) for Motorability in
Karaihiya Basauli East tola to Karaihiya
Basauli Bichla tola

LENGTH OF ROAD (In Km) - 0.70 KM
DAMAGED LENGTH (In Km) - 0.20KM

ESTIMATED COST - 13.942 Lacs

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

GENERAL ABSTRACT OF COST

ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGED BY FLOOD) FOR
MOTORIBILITY IN KARAIHIYA BASAULI EAST TOLA TO KARAIHIYA
BASAULI BICHLA TOLA

DISTRICT - WEST CHAMPARAN

DIVISION - BAGAHA 2

BLOCK - BHITAH

LENGTH OF ROAD (in Km)- 0.7 KM

Scheme Head - MMGSY (In Maintenance)

SL. No.	Item of Work	Amount
1	EARTH WORK :	0.000 Lacs
2	BRICK BATS :	7.452 Lacs
3	SAND BAGS :	0.061 Lacs
4	BAMBOOS PILING AND RUNNER :	0.608 Lacs
5	HUME PIPE :	2.982 Lacs
	COST OF RESTORATION :	11.102 Lacs
	ADD SEIGNIORAGE FEE @ 10% OF MATERIAL COST :	0.711 Lacs
	ADD LABOUR CESS @ 1% :	0.111 Lacs
	ADD GST @ 18% (Cost of Restoration+Labour Cess) :	2.018 Lacs
	TOTAL COST OF RESTORATION OF ROAD :	13.942 Lacs

13/11/24
Junior Engineer

13/11/24
Asstt. Engineer

14/11/24
Executive Engineer
RWD (W) Div Bagha-2

Approved *[Signature]*
Technically Sanctioned for Rs 13.942 Lacs (Rupees thirteen lakh ninety four thousand two hundred) only.

15/11/24
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, बेतिया

Name of Work:- Estimate for Repair of ROAD breaches (Damaged by Flood) for Motorability in Karaihiya Basauli
East tola to Karaihiya Basauli Bichla tola

Head - FDR

Head - FDR

East tola to Karalihiya Basaun Dist.

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			0	154.27	0
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			369.180	2018.43	745163.99
3		Providing, Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/I.	Nos.		As Per Appendix III			371.000	16.50	6121.50
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			828.800	59.48	49297.02
5		Providing and Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every vertical 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			420.000	27.29	11461.80
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		18 Nos*2.5m			45.000	6626.07	298173.15
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.)										1110217.46

13/11/24
Junior Engineer,
Rural Works Department,
Works Section, BHITAH

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

14-11-24
Executive Engineer,
Rural Works Department,
Works Division, BAGAH 2

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	0.00	Earth	Cum	1.0	0.00	35.25	0.00	0.00	0.00
Brick bats	Cum	369.18	Brick bats	Cum	1.2	443.02	1600.00	708825.60	70882.56	70882.56
Sand Bags	per bag	371.00	sand	Cum	0.034	12.61	150.00	1892.10	189.21	189.21
1000 MM Dia	RM	45.00	Sand at site	Cum	0.04	1.80	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)										71071.77

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Executive Engineer
RWD (W) Div Badha-2

Name of Work:-

Estimate for Repair of ROAD breaches (Damaged by Flood) for Motorability in Karaihiya Basauli East tola to Karaihiya Basauli Bichla

Appendix - II

Measurement for surfacing the Breach with Brick Bats

Measurement for surfacing the Breach with Brick Bats						Quantity (cum)
Sl. No.	Chainage	Nos	Length (M)	Av. Width (M)	Thickness (M)	
1		1	4.00	5.50 Av.	1.00 Av.	22.00
2		1	11.00	5.50 Av.	1.30 Av.	78.65
3		1	4.50	5.50 Av.	1.00 Av.	24.75
4		1	5.50	5.50 Av.	1.50 Av.	45.38
5	Slope Portion (1:1)	2	11.00	0.65 Av.	1.30 Av.	18.59
6	Slope Portion (1:1)	2	4.50	0.50 Av.	1.00 Av.	4.50
7	Slope Portion (1:1)	2	5.50	0.75 Av.	1.50 Av.	12.38
8		1	6.50	5.00 Av.	1.20 Av.	39.00
9		1	2.00	5.00 Av.	1.10 Av.	11.00
10		1	2.50	5.00 Av.	1.50 Av.	18.75
11	Slope Portion (1:1)	2	6.50	0.60 Av.	1.20 Av.	9.36
12	Slope Portion (1:1)	2	2.00	0.55 Av.	1.10 Av.	2.42
13	Slope Portion (1:1)	2	2.50	0.75 Av.	1.50 Av.	5.63
13	Approach Road	2	4.00	3.00 Av.	0.60 Av.	14.40
14		1	2.50	3.00 Av.	0.45 Av.	3.38
15		1	3.00	3.00 Av.	0.45 Av.	4.05
16		1	3.00	2.50 Av.	0.45 Av.	3.38
17		1	2.50	2.50 Av.	0.45 Av.	2.81
18	Slope Portion (1:1) - Approach Road	1	15.00	0.37 Av.	0.73 Av.	4.03
19	Re Damaged at Hume Pipe section	2	21.00	1.00 Av.	1.27 Av.	53.20
20	Slope (1:1) - Re Damaged at Hume Pipe	2	21.00	0.63 Av.	1.27 Av.	33.69
21	Approach Road - Re damaged	1	2.50	1.00 Av.	0.45 Av.	1.13
22		1	3.50	2.50 Av.	0.30 Av.	2.63
23		1	2.50	2.50 Av.	0.35 Av.	2.19
24		1	2.50	2.50 Av.	0.45 Av.	2.81
			Total			420.08
Deduction for 18Nos old 1000 mm HP at 45 m (3.142*0.36*45)						-50.90
Deduction for 0Nos old 600 mm HP at 0 m (3.142*0.22*0)						0.00
Net Quantity of Brick Bats						369.18

13/11/24
Junior Engineer

13/11/24
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14-11-24
Executive Engineer
Executive Engineer
RWD (W) Div Bagha-2

Name of Work:-

Estimate for Repair of ROAD breaches (Damaged by Flood) for Motorability in Karaihiya Basauli East tola to Karaihiya Basauli Bichla tola

Appendix - III						
Measurement for surfacing the Breach with Sand Bags						
Sl. No.	Chainage	Nos	Length (M)	Av. Width	Thickness (M)	Quantity (cum)
1		2	25.00	0.50 Av.	0.60 Av.	15.00
2		2	2.50	0.50 Av.	0.40 Av.	1.00
3		1	4.00	0.50 Av.	0.20 Av.	0.40
4		0	0.00	0.00 Av.	0.00 Av.	0.00
			Total			16.40

16.40 X 35.28 578.59
LESS 20% 462.8736
BAGS 462.8736 / 1.25 371 Nos.

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13/11/24
AE

14-11-24
Executive Engineer
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Name of Work:-

Estimate for Repair of ROAD breaches (Damaged by Flood) for Motorability in Karaihiya Basauli East tola to Karaihiya Basauli Bichla tola

Appendix - IV						
Measurement for Bamboo Piles						
Sl. No.	Chainage	Nos	Length (M)		C/C (M)	Quantity (Nos.)
1		2	88.00	/	0.600	296.00
			Total			296.00
296.00		X	2.8	M	828.80	

Bamboo Length for Piles

828.80 M

Measurement for Bamboo Runner						
Sl. No.	Chainage	Nos	Length (M)		No.	Quantity (M)
1		4	35.00	/	3	420.00
			Total			420.00

Bamboo Length for Runner

420.00 M

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J-E

13/11/24
AE

14-11-24
Executive Engineer
RWD (W) Div Bagha-2

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
	Add 6% Overhead Charges			5925.00
	Rate for 750 Bag			0.00
	Mazdoor Rate per Bag (Rs.) -			5925.00
1.	Suplying of Empty Cement Bag filled with Local Sand			
A.	Rate of Empty Cement Bag	Per Bag		3.50
	Add Royalty (450 Bricks/Cum)		450	0.000
	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
	Add Royalty (450 Bricks/Cum)		450	0.000
	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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AE

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

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	Nos.	3	395.00	1185.00
	Add 6% Overhead Charges				0
	Rate for 2.832 Cum				1185.00
	Rate per Cum (Rs.) -				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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Executive Engineer
RWD, Works Division, Bagaha-2

Chapter 9

PIPE CULVERTS

Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row				
	Providing and laying reinforced cement concrete pipe NP3 in single row including fixing collar but excluding excavation, protection works, backfilling, concrete and masonry.				
	Unit = m				
	Taking output = 7.5 m				
	(3 pipes of 2.5 m length each)				
(B)	1000 mm dia				
a)	Labour				
	Mate	day	0.09	411.00	36.99
	Mason (1st Class)	day	0.25	474.00	118.50
	Mazdoor (Unskilled)	day	2.00	395.00	790.00
b)	Material				
	RCC pipe NP3 concrete pipe including collar at site	m	7.50	6,500.00	48,750.00
	Cost for 7.5 m = a+b+c+d				49,695.49
	Rate per m = (with carriage)				6,626.07
(C)	600 mm dia				
a)	Labour				
	Mate	day	0.05	411.00	20.55
	Mason (1st Class)	day	0.15	474.00	71.10
	Mazdoor (Unskilled)	day	1.20	395.00	474.00
b)	Material				
	RCC pipe NP3 concrete pipe including collar at site	m	7.50	2,816.00	21,120.00
	Cost for 7.5 m = a+b+c				21,685.65
	Rate per m = (with carriage)				2,891.42

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14-11-24
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	0.25 Nos.	500.00	125.00
Unskilled Mazdoor	2.5 Nos.	395.00	987.50
Rate for 30.50 M			1112.50
Cost of Labour for cutting per M			36.48
Supplying for Bamboos 75mm dia, 6m to 8m long	1 M	23.00	23.00
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 vertical 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
Carpentar	0.125 Nos.	-	0.00
Unskilled Mazdoor	0.25 Nos.	395.00	98.75
Rate for 30.50 M			130.96
Cost of Labour for fitting & fixing per M			4.29
Supplying for Bamboos 75mm dia, 6m to 8m long	1 M	23.00	23.00
Final Rate per M			27.29

13/11/24
J-E

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AE

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।

महाराय,

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।

- 2 कोटेशन की स्वीकृति सिर्फ इसी कार्य के लिए है, जो भविष्य में पूर्वाधारण नहीं होगी।
- 3 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।
- 4 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।
- 5 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।
- 6 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।
- 7 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।
- 8 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 कार्रवाई की जायेगी।

- 9 एकरारनामा के समय प्रत्येक मद के भाषा की शुद्धता की जाँच कार्यपालक अभियंता स्वयं कर सुनिश्चित करेंगे कि इसमें कोई त्रुटि 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 एकरारनामा से पूर्व अपने स्तर से आश्वस्त हो लिया जाए कि निविदाकार डिफल्टर सूची में नहीं है ।
- 14 कार्यपालक अभियंता एकरारनामा करने के पूर्व संवेदक का निबंधन सं० पूर्ण पता एवं दूरभाष सं० कार्यदिश में अंकित करेंगे तथा इस कार्यालय को सूचित करेंगे ।

विश्वासभाजन

A-3-17-24
अधीक्षण अभियंता
ग्रामीण कार्य विभाग, कार्य अंचल, बेतिया
(519)
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 ।

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