

RURAL WORKS DEPARTMENT



बिहार सरकार

GOVERNMENT OF BIHAR

FDR(Emergent Work)

CIRCLE – R.W.D. works Circle, Kishanganj

DIVISION – R.W.D. works Division , Kishanganj-1

Name of Work :-	Restoration work for Repair of Road breaches (Damaged by Flood) for Motorability in Tegharia to Miyapur road
Block :-	Terhagachh
Estimated cost :-	Rs 1983776.00

Year : 2024-25

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :-

Name of Block/Road :- (Terhagachh) Tegharria to miyapur road

A. For Road

1. Damage Location/Chainage :- 335m CH- 2.00km

2. Damage Length :- 335m

3. Nature of Damage (Length Wise) (i) Breach :-
(ii) Crust Damage :- crust-Damage
(iii) Only Flank Damage :-

whether traffic fully/Partialiy obstructed :-

4. Details of Restoration :-

(i) Material Being Used in Restoration :- Bamboo Pile, Bamboo Runner, Bricks Sand etc.

(ii) Equipment/Tools Being Used in Restoration Works :-

(iii) Restored Length
In open Area :- 335m
In habitation Area :-

(iv) If Restoration work done in habitation Area give Reason :-

B. For Bridge (Size of Bridge/Culvert)

(1) Damage Location/Chainage :-

(2) No. of Span Damage :-

(3) Length of Span :-

(4) Nature of Damage (Pier/Abuttment/
Wing Wall/Approach Road Damage) :-

(5) Details of Restoration :-

(i) Material Being Used in Restoration :-

(ii) Equipment/Tools Being Used in Restoration Works :-

(iii) Restored Length :-

Overall Grade of Restoration work (Satisfactory/Unsatisfactory) :-

Signature of Inspector
(Official Seal)

TECHNICAL REPORT

me of Work:- Restoration work for Repair of Road breaches (Damaged by Flood) for Motorability in Tegharia to Miyapur road

ck:- Terhagachh

imated Cost:- ₹ 19,83,776.00

The work done estimate has been framed for the restoration (motorable) of traffic for the above road which was damage/washout during the year 2024-25 flood. This estimate is prepared for restoration work under FDR as per the instruction of Engineer-in-Chief Rural Works Department Patna Vide Letter No. DR-03-01/2024-89 Dated-18-10-2024

1) Source of materials

- i) Brick Bats- Local Kiln
- ii) Fine sand-Local
- iii) Cement bags-Local market
- iv) Bamboo-Local
- v) Eart- Private land from 1000m lead
- vi) Hume pipe- Purnea

2) Rate:- Carraige has been analyzed on minimum lead. Finished rate has been calculated without contractor's profit on MORD norms. Carraige of materials has been added to finished rate. Basic rates are evaluated from rate of approved by State schedule rate committee. 18% GST, 1% L.cess and S.fee has been added in the estimate with final rate of the executed items

Signature
12/11/24
T.S.
JE
RWD(W) Work Section
Terhagachh

Signature
12/11/24
AE
RWD(W) Sub Division
Terhagachh

Signature
14/11/24
Executive Engineer
RWD(W) Division
Kishanganj-1

ABSTRACT OF COST

Name of Work :-		Restoration work for Repair of Road breaches (Damaged by Flood) for Motorability In Tegharia to Miyapur road
Block :-		Terhagachh
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 1968776.00
B	Add Drone videography Charge three times	Rs 15000.00
	Total Cost with GST, LC & S.Fee	Rs 1983776.00

Nilu Akson
12/11/24
P.S

W. J. E.
12.11.2024
J.E
RWD
Terhagachh

AD. Khushy
12/11/24
A.E
R.W.D
Terhagachh

Oh. E.E.
14/11/24
E.E
R.W.D
Kishanganj - I

Technically Approved for Rs 19,83,776/- (Rupees Nineteen Lakh Eighty three thousand seven hundred and seventy six) only

12/11/24
Superintending Engineer
Rural Works Department
Kishanganj
12/11/24
Go.

Detailed Estimate

Name of Work :- Restoration work for Repair of Road breaches (Damaged by Flood) for Motorability in Tegharia to Miyapur road											
SL No.	SDB SL No.	MORD Ref. No.	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)
1	WRD	5.7.7	Providing bamboo piles including labour for cutting 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								
			At ch 2.00 km (left side)	1	180.00	6.00	-	-	1080.00		
			At ch 2.00 km (right side)	1	60.00	5.00	-	-	300.00		
			At ch 2.00 km (right side)	1	30.00	5.00	-	-	150.00		
			At ch 2.00 km (right side)	1	65.00	5.00	-	-	325.00		
			Total:-						1855.00	Mtr.	69.186
2	WRD	5.7.9	Supplying, fitting and fixing 62 mm to 75 mm 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, all material and labour complete job as per specification and direction of E/I.								
			At ch 2.00 km (left side)	1	17	45.00	-	-	765.00		
			At ch 2.00 km (right side)	1	17	16.50	-	-	280.50		
			At ch 2.00 km (right side)	1	17	10.00	-	-	170.00		
			At ch 2.00 km (right side)	1	17	18.00	-	-	306.00		
			Total:-						1521.50	Mtr.	35.95
3	9.2 (i)	1100 & 800	Sand filling or Type B (First class) bedding								
			Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9								
			At ch 2.000 km	1	1	45.00	(5+4)2 + 3.2+3.8+3.7+3.0+1.9y6		604.13		
							Deduction for HP 600mm dia (3No.3 142*0.36*2.5)		8.48		
			Total:-						595.65	Cum	1272.78
4	WRD	5.7.40	Brick bats								
			Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I								
			At ch 2.00 m	1	1	45.00	3.50	0.30	47.25		
			Total:-						47.25	Cum	2759.115
5			RCC Pipe NP3 as per design in Single Row (1000mm Dia.)								
			Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.								
				3	2	2.50	-	-	15.00		
			Total:-						15.00	Mtr.	7385.85
6	WRD	5.7.53	Providing and filling empty cement bags								
			Supply of new bag with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stitching on two line by approved nylon thread with stitching machine & generator, stacking the bags and placing with a lead of 150m including supply of nylon threads etc all complete as per approved design, specification and direction of E/I.								
			At ch 2.00 km (left)	1	1	45	(3.20+1.9+0.8+1.2+1.8)5	(2.8+3.2+3.5+2.9+2.5)5	238.70		
			At ch 2.00 km (right)	1	1	16.5	(2.5+1.8)5	(1.9+2.3+2.8+2.5+1.8)5	80.17		
				1	1	10.00	(1.5+1.1)2	(2.1+2.6+3.0+1.8+1.5)5	28.60		
				1	1	18.00	(3.0+2.20)2		3.00		
			Total:-						478.51	Cum	
			@ 0.034 Cum each bag						14074	No.	55.88
											786455.00
			TOTAL								1968776.00

Atul Kumar
12/11/24
T.S

W. J.E
12.11.2024
R.W.D
Terhagahh

Atul Kumar
12/11/24
R.W.D
Terhagahh

Atul Kumar
12/11/24
R.W.D
Kishanganj - I



GPS Map Camera



Kishanganj, Bihar, India
 Rupni Rd, Bihar 856101, India
 Lat 26.249285°
 Long 87.699755°
 14/10/24 11:47 AM GMT +05:30



Latitude: 26.249445
 Longitude: 87.699395
 Elevation: 40.49±3 m
 Accuracy: 3.0 m
 Azimuth: 153° (SE)
 Pitch: -5.3° (3.7°)
 Time: 11-08-2024 16:31
 Note: Tegharia to Miyapur FDR Road

Powered by AngiaCam



Latitude: 26.24935
 Longitude: 87.699393
 Elevation: 57.21±3 m
 Accuracy: 4.0 m
 Azimuth: 130° (SE)
 Pitch: -12.1° (2.6°)
 Time: 11-08-2024 16:30
 Note: Tegharia to Miyapur FDR Road

Powered by AngiaCam

Nurul Abbas
 12/11/24

W. Logam
 12-11-2024
 JE

Pushy
 12/11/2024
 A.E.

FINAL RATE UNDER WORKS CIRCLE KISHANGANJ

S.No	Description of Item	Unit	Final Rate (Excluding GST, Seigniorage & L.Cess)	Final Rate (Including GST, Seigniorage & L.Cess)
1	EARTH WORK	CUM	459.003	549.740
2	BRICK BAT	CUM	2209.576	2759.115
3	G.S.B	CUM	4328.501	5172.300
4	SAND BAG (Cement Bag)	Each	46.550	55.880
5	BAMBOO PILE	Per Mtr.	58.140	69.186
6	BAMBOO CHACHRI	Per Mtr.	302.258	359.690
7	BAMBOO RUNNER	Per Mtr.	30.210	35.950
8	HUME PIPE (1000 mm Div)	Per Mtr.	6206.598	7385.850
9	HUME PIPE (600 mm Div)	Per Mtr.	2492.260	2965.790
10	STEEL DRUM SHEET	Per Sqr.Mtr.	215.352	256.270
11	GEO BAG WITH SAND	EACH	967.490	1152.320
12	EACH N.C. BAG WITH SAND (Cement Bag)	Each E.C	967.490	1151.800
13	LOCAL SAND	CUM	721.110	1272.780

[Signature]
Executive Engineer
RWD, Works Division
Kishanganj-1

[Signature]
Executive Engineer
RWD, Works Division
Araria

[Signature]
Executive Engineer
RWD, Works Division
Kishanganj-2

[Signature]
Executive Engineer
RWD, Works Division
Forbesganj

[Signature]
Superintending Engineer
Rural Works Department
Works Circle Kishanganj

SUMMARY OF CARRIGE COST

Sl. No.	Item	Unit	Amount (Rs.)
1	Earth Work	Cum	274.42
2	Brick Bats	Cum	521.97
3	Bamboo	Per Mtr.	3.00
4	G.S.B.	Cum	2960.13
5	Local Sand	Cum	345.14
6	HUME PIPE (1000 mm DIA)	Per Pipe	745.93
7	HUME PIPE PIR METER	Per Mtr.	298.37
8	HUME PIPE (600 mm DIA)	Per Pipe	310.88
9	HUME PIPE (600 mm DIA)	Per Mtr.	124.35
10	Local Sand	Cum	345.10

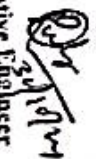
BASIC RATES
(A) Labour

Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhist	day	373
L-02	Bhuvan Sprayer (semi skilled)	day	393
L-03	Blacksmith, special	day	503
L-04	Blacksmith, 2nd class	day	619
L-05	Blacksmith, 1st class	day	503
L-06	Chips spreader, semi-skilled	day	449
L-07	Chiseller (Skilled)	day	577
L-08	Dresser (Skilled)	day	472
L-09	Driller, 2nd class	day	449
L-10	Electrician, skilled	day	476
L-11	Fitter, skilled	day	511
L-12	Mason (1st class)	day	503
L-13	Mason (2nd class)	day	449
L-14	Mate, Semi skilled	day	434
L-15	Machdoor (Unskilled)	day	410
L-16	Machdoor (Semi skilled)	day	388
L-17	Machdoor (Skilled)	day	472
L-18	Painter (1st class)	day	476
L-19	Plumber, Special	day	476
L-20	Surveyor	day	454
L-21	White Washer	day	476
L-22	Head blacksmith	day	503
L-23	Welder 1st Class	day	577
	Carpenter Head	day	503
	Night Guard	day	415

(Basic Rates Taken From SOR, Seventeenth Edition, Road Construction Department, Govt. of Bihar effective from 01/07/2024)


Executive Engineer
RWD, Works Division
Kishanganj-1


Executive Engineer
RWD, Works Division
Awaria


Executive Engineer
RWD, Works Division
Kishanganj-2


Executive Engineer
RWD, Works Division
Forbesganj

Superintending Engineer
Rural Works Department
Works Circle Kishanganj