



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

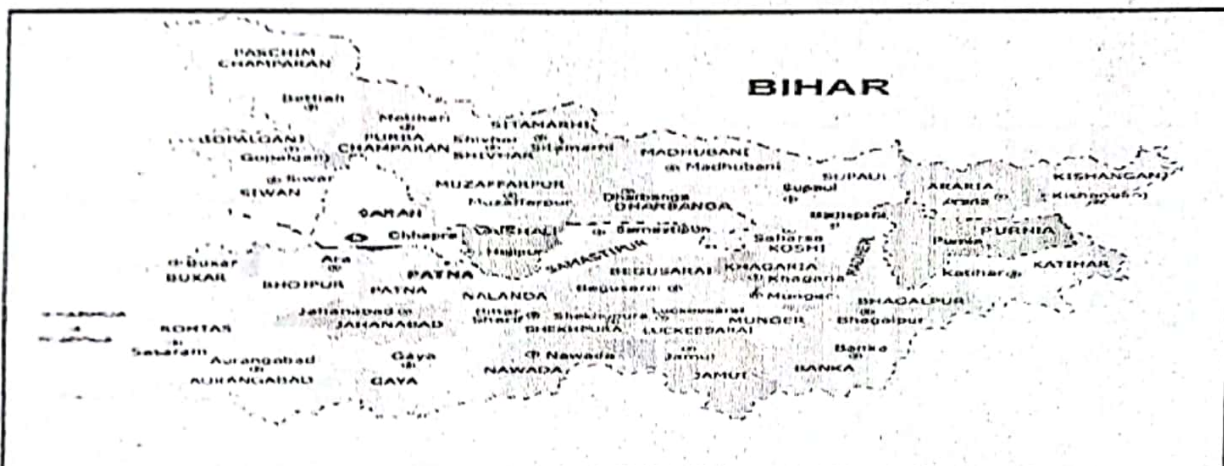


BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

Govt. of Bihar

EMERGENT REPAIR OF ROAD FROM L049- T02 TO SHAHZADPUR BATHOI UNDER FDR



Name of the Road :-

EMERGENT REPAIR OF ROAD FROM L049- T02 TO SHAHZADPUR BATHOI UNDER FDR

DISTRICT	:	Patna	
DIVISION	:	Barh	
BLOCK	:	Pindgoak	
Total Damaged length of Road			III
TOTAL COST OF CONSTRUCTION	:	12.06696	Lacs
TOTAL COST OF PROJECT	:	12.06696	Lacs

Executive Engineer

Rural Works Division,

Barh

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :	EMERGENT REPAIR OF ROAD FROM L049- T02 TO SHAHZADPUR BATHOI UNDER FDR	
DISTRICT	PATNA	
BLOCK	PANDARAK	
DIVISION	BARH	
Total Damaged length of Road	80.00 m	
SL No.	DESCRIPTION	AMOUNT (LAKHS)
1	COST OF ITEM	₹ 12,06,696 1034310
	TOTAL COST IN LACS =	12.066 10.343 lac

JE
7/11/2021
RWD

AE
6/11/21
RWD

EE
RWD

Technically sanctioned for Rs. 10,34,310 Ten lakh
thirty four thousand and three hundred

including five year Maintenance Cost

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

तकनीकी सलाहकार
ग्रामीण कार्य विभाग
कार्य अंचल, पटना

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

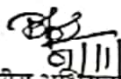
प्रतिवेदन

कार्य का नाम : To2 से शाहजादपुर बथोई पथ का आपातकालीन मरम्मत कार्य
पथ की लम्बाई : 3.7km
क्षतिग्रस्त पथ की लम्बाई :
प्राक्कलित राशि :
मद : एफ डी आर

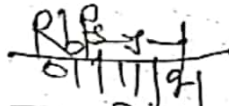
प्रस्तुत प्राक्कलन, पंडारक प्रखण्ड अंतर्गत To2 से शाहजादपुर बथोई पथ का आपातकालीन मरम्मत हेतु तैयार किया गया है। यह पथ PMGSY योजना अंतर्गत स्वीकृत है जो पंचवर्षीय अनुरक्षण अवधि के अंतर्गत है। इस वित्तीय वर्ष 2021-22 में बाढ़ एवम अतिवृष्टि के कारण पथ में दो स्थानों पर कटाव हो गया था। पुनः इसी वित्तीय वर्ष में अक्टूबर, माह में किये गए मोटरेबुल पथांश पर पुनः कटाव हो गया जिसे भी brick bats से भरकर यातायात चालू करा दिया गया है।

विभागीय निर्देशानुसार पथ को यातायात योग्य बनाने हेतु पथ के कटाव वाले स्थान में Brick Bats भर दिया गया। वर्तमान में आवागमन चालू है। पथ को पूर्व की स्थिति में लाने हेतु पुनर्स्थापना का प्राक्कलन बनाया जा रहा है।

कार्यहित में प्राक्कलन की स्वीकृति अतिआवश्यक है।


कनीय अभियंता

पंडारक

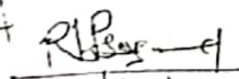

सहायक अभियंता

पंडारक

कार्यपालक अभियंता

(ग्रामीण कार्य विभाग)

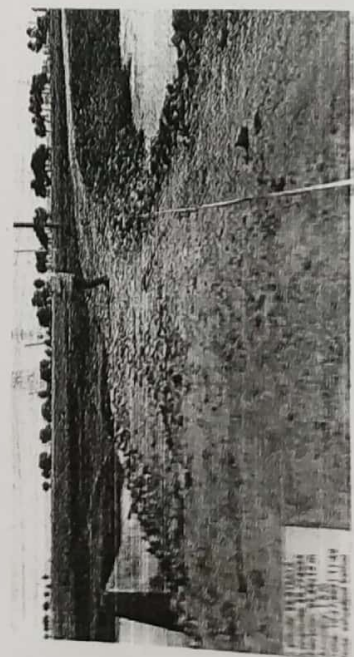
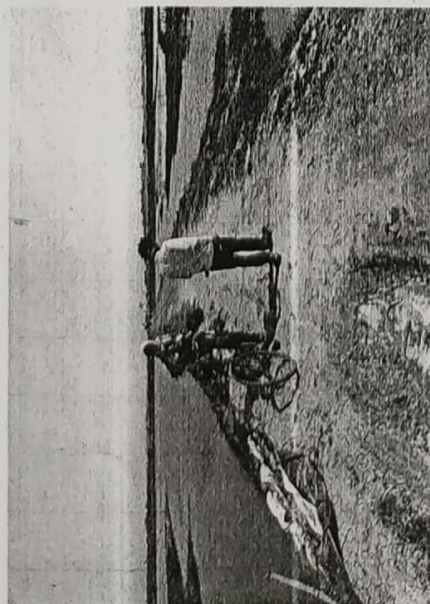
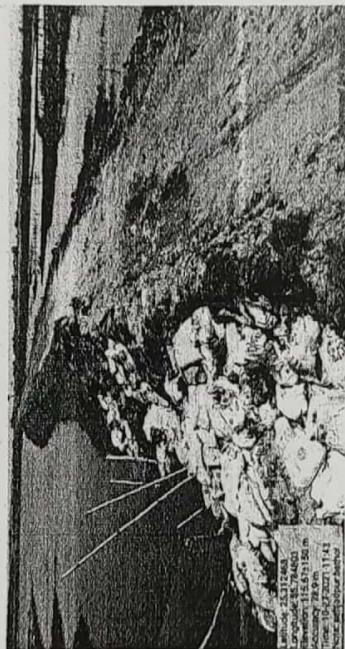
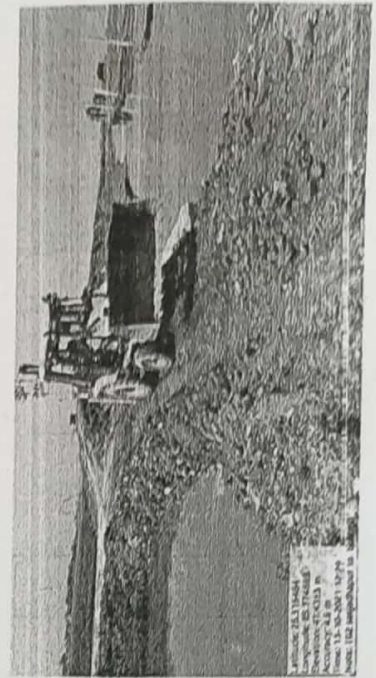
कार्य प्रमंडल, बाढ़

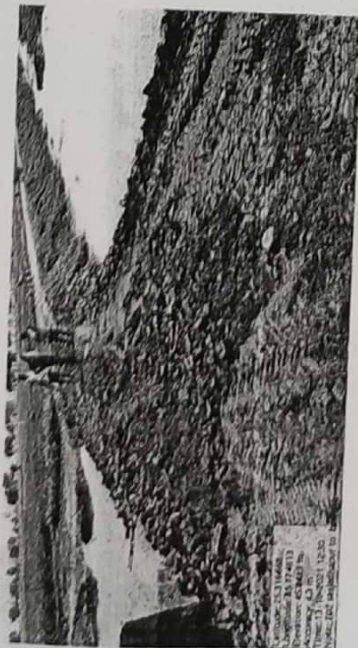
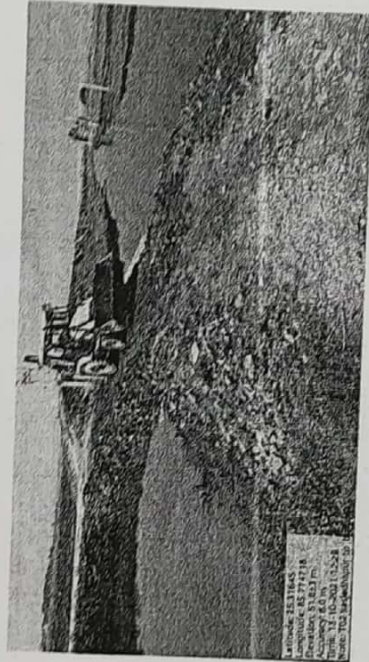
पुनरुत्थान कार्य की जांच अंतर्गत बाढ़ निवारण एवं
कार्य प्रमंडल द्वारा कर ली गई है। जांच प्रतिवेदन संलग्न है।

11/12/21
A.E

RWD, Works Division, Barh

Flood Damaged Road List of Barh (With Google Sheet)

Sl. No	Name of Block	Name of Road	Damage Location and Size	Status of Restoration			Traffic Status	Remarks
				Work Completed	Work In Progress	Work Yet To Be Started		
1	Belchhi	Korari to Paighamberpur	0.750 Km To 0.760 Km (10 M)	Work Completed			Traffic is smooth	Required one H/P Culvert, Traffic restored
2	Pandarak	L049-T02 to Shahzadpur Bathoi	1st Time-0.950 Km To 0.970 & 2.200 Km to 2.210 (30 M), 2nd Time-0.850 Km To 0.885 Km (35)	Work Completed			Traffic is smooth	Required 1x6 M and 1x3 M RCC Culvert, Traffic restored, 2nd Time-35 M Traffic Restore.
	Ghoswari	Ghoswari Karra PMGSY Road to Kanya Vidalya paijna	0.550 Km To 0.675 Km (125 M)	Work Completed			Traffic is smooth	1x3 M New RCC Culvert is require in place of damage hume pipe culvert constructed by Panchayat. Flood Water Logged. Traffic is Smooth.
	Barh	NH-30A (Saksohra Barh Road) to Brahmini Asthan	0.350 Km To 0.500 Km (150 M)			Work Yet To Be Started	Traffic is not smooth	Flood/Rain Water Log In 200 M Length. Require RCC Culvert (1 X 6 X 4 M). Traffic is not smooth
	Ghoswari	MRL11-NH 82 to NH 31 Via Gosai gaon.	1.600 Km To 1.900 Km (300 M)	Work Completed			Traffic is smooth	No any damage. Traffic is smooth.
	Mokama	MRL07-More to Tartar	2.000 Km To 6.00 Km, 6.500 Km To 6.520 Km (4020 M)	Work Completed			Traffic is smooth	Old weir damage and 1x25 M H/L Bridge required. 4.00 Km Flank damage.





R.B. Singh
01/11/21

A-E

E-E
RWD
Bqth.

R.B. Singh
01/11/2021
J-E

DETAILED ESTIMATE FOR PAVEMENT												
F6												
EMERGENT REPAIR OF ROAD FROM L049-T02 TO SHAHZADPUR BATHOI UNDER FDR												
NAME OF ROAD												
S.N	SDB	MORD	REF NO	DESCRIPTION	UNIT	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT(IN RS.)
O	SLNO											
1				Supplying brick bats with carriage at site including labour cess, GST and seigniorage fee(excluding overhead and CP).	cum					509.052		886250
										593.895	1741	1033971
2				Supplying unskilled labour for brick bats for spreading compacting and levelling and laying and filling in empty cement bag including labour cess, GST(excluding overhead and CP).	cum							148050
										450.525	329	172725
												1206696

1034310.00
= 10,343 lac

[Signature]
11/11/21

[Signature]
01/11/2021

J.E

A.E

E.E
RWD
BGR

NAME OF ROAD		EMERGENT REPAIR OF ROAD FROM L049-T02 TO SHAHZADPUR BATHOI UNDER FDR									
BLOCK-PANDARAK		DIVISION-BARH									
POT MEASUREMENT											
		NO		L		W		H		m3	
1)	BRICK BATS	1X		30X		(6+4.2+7.5)/X		(0.9+2.5+1.2+0.5)/4		259.925	
		1X		25X		(3.75+5.2)/2X		(0.6+1.5+0.5)/3		100.837	
		1X		20X		(4.5+6.8)/2	X	(0.9+1.5+0.5)/3		124.3	
						424.01X		Total Qty =		484.912	
				Loose =		484.912X		12		583.8944	
SEIGNORANCE											
S.NO	ITEM	UNIT	QTY	BASIC RATE	AMOUNT	10% SEIG					
1	Brick bats	m3	583.8944	1052	613718.7	63071.6					
			509.052		Total =	63071.6					

54663.00 Y 54061.00

R/S-1
11/11/21

A-E

E-E
DWD
Barh

5/11/2021
J-E

509.052
484.912 X 12 = 5818.944
5818.944 + 124.3 = 5943.244

Works Division : Bach

Sl. No.	Material	Specifications	Unit	Lowest MS Standard Bidder Rate	Amount in Word
1	Empty Cement Bags	Empty Cement Bags. Synthetic should be old but in good condition of 1.20 cft. Capacity.	Each	8.71	Eight Rupees & Seventy One Paise
2	Bamboos	Bamboos should be 100mm dia 6 to 8m long.	Each	170.00	One Hundred & Seventy Rupees
3	Brickbats		M3	1741.00	One Thousand Seven Hundred & Forty One Rupees
4	Local Sand		M3	337.00	Three Hundred & Thirty Seven Rupees
5	Kiln Rubbish		M3	1068.00	One Thousand & Sixty Eight Rupees
6	Hume Pipe (NP3) 600mm Dia		M	1041.50	One Thousand Forty Four & Fifty Paise
7	Hume Pipe (NP3) 1000mm Dia		M	3362.80	Three Thousand Three Hundred Sixty Two & Eighty Paise
8	Boulders	Minimum Size 300mm	M3	1861.35	One Thousand Eight Hundred Sixty One & Thirty Five Paise
9	Granular Sub base Material Grading-II		M3	1814.00	One Thousand Nine Hundred & Ninety Rupees
10	Stone Metal Aggregates Gr-II		M3	1857.00	One Thousand Eight Hundred & Fifty Seven Rupees
11	Stone Metal Aggregates Gr-III		M3	1810.26	One Thousand Eight Hundred Ten & Twenty Six Paise
12	Screening Material Type-B		M3	2712.58	Two Thousand Seven Hundred Twelve & Fifty Eight
13	Nylone Crate	Nylone crate of size 1m3(1mx1mx1m) with 20mm mesh of specification 1260/3/4/2/1 having 2400 threads of weight 165 Y-5gm.	Each	45.00	Forty Five Rupees

Estimator
R.W.D.
Rajendra Circle Patna

परामर्शक सल्लाहकार
मागील कार्य विभाग
कर्मचारी, पटना

Superintending Engineer
R.W.D. RAJENDRA CIRCLE, PATNA

Works Division : Barh

Type	Output	Unit	Lowest M/S Sundar Nirman Bidder Rate	Amount in Word
1	Unskilled Labour	110 cft. Soft Earth.	Each	Three Hundred & Twenty Nine Rupees
2	Semi Skilled Labour	Each	343.00	Three Hundred & Forty Three Rupees
3	Skilled labour	Each	418.00	Four Hundred & Eighteen Rupees
4	Mason	Each	396.00	Three Hundred & Ninety Six Rupees
5	Head mason	Each	445.00	Four Hundred & Forty Five Rupees
6	Bhisti	Each	329.00	Three Hundred & Twenty Nine Rupees
7	Carpenter	Each	396.00	Three Hundred & Ninety Six Rupees
8	Head Carpenter	Each	445.00	Four Hundred & Forty Five Rupees
9	Night Guard	Each	343.00	Three Hundred & Forty Three Rupees
10	Electrician	Each	421.00	Four Hundred & Twenty One Rupees

Estimator
R.W.D
Works Circle, Patna

प्रमुख पदाधिकारी
आजीन कार्य विभाग
कार्य अंचल, पटना

अभिनी सहायिका
आजीन कार्य विभाग
कार्य अंचल, पटना

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

III. TOOLS, PLANTS & MACHINERIES WITH DRIVER & FUEL Works Division : Barh

Sl.	Description of Machine	Activity	Output of Machine	Output	Unit	Lowest M/S Sundry Nilman Bidder Rate	Amount in Word
1.	Front End Loader 1.0 cum bucket capacity (JCB)	Soil Loading/Aggregate Loading	Cum/hour	60/25	Per Hour	1585.00	One Thousand Five Hundred & Eighty Five Rupees
2.	8-10 Ton Smooth Wheeled Roller	Compaction/Consolidation	Cum/hour	70/25	Per Hour	907.00	Nine Hundred & Seven Rupees
3.	Tractor with Trolley	Transportation of Material	25 HP Capacity	3 to 5 Ton	Ton/ Trip	647.00	Six Hundred & Forty Seven Rupees
4.	Tipper	Transportation of Material	Cum	5.50	Ton/ Trip	41.50	Forty One & Fifty Paise
5.	Tractor with Tipper	Transportation of Material	25 HP Capacity	3 to 5 Ton	Ton/ Trip	667.50	Six Hundred Sixty Seven & Fifty Paise
6.	Generator Set	Generation of Electrical energy	KVA	5	Per Hour	4183.00	Four Thousand One Hundred & Eighty Three Rupees

[Signature]
Estimator
 R.W.D.
 Works Circle, Patna

[Signature]
Inspector (General)
 Works and Plant
 and Plant Unit

[Signature]
Engineer (General)
 Works and Plant
 and Plant Unit

[Signature]
Superintending Engineer
 R.W.D. WORKS CIRCLE, PATNA

Inspection Report for Flood Damage Work

Date :- 27.11.2021

1. Name of PIUs :- Executive Engineer, RWD, Works (D), Barh
2. Name of Block / Road :- Pandarab / L049-702 to Shahgadhur
Barh
- A. For Road
 1. Damage Location / Chainage :- CH.0850 to 0.900km, Ch.D. 400 to 450
 2. Damage Length :- 75m
 3. Nature of Damage :- Breach and scum in the road due to flood
 - i. Material being used in Restoration works :- Brick bats
 - ii. Equipments / Tools being used in Restoration works : J.C.B, tractor
 - iii. Procedure taken up in Restoration works : Brick bats laying & spreading
 - iv. Restored Length : 35m
- B. For Bridge
 1. Damage Location / Chainage :-
 2. Damage Length :-
 3. Nature of Damage :-
 4. Details of Restoration Works :-
 - i. Material being used in Restoration works :-
 - ii. Equipments / Tools being used in Restoration works :
 - iii. Procedure taken up in Restoration works :
 - iv. Restored Length :

N/A

02.12.21
AE


Name of Inspector
Executive Engineer
R.W.D. Works Division, Patna