

ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR FLOOD DAMAGED REPAIR

Bihar(बिहार)Map



Name of the Road :-

Motorable Road from Walipur Suman Chowk Road To Walipur Harijan Tola Via
Block H.Q Pipariya

DISTRICT	:	Lakhisarai	
DIVISION	:	Lakhisarai	
BLOCK	:	Pipariya	
TOTAL LENGTH OF ROAD	:	1.700	KM
TOTAL COST	:	8.331 8.269	Lac
AVERAGE COST PER KM	:	4.900	Lac
TOTAL COST OF PROJECT	:	8.331	Lac

Submitted By:

Executive Engineer

RWD WORKS DIVISION

Lakhisarai

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- P.W.D. WORK Division (Kathisara Kharagpur, Garabur

Name of Block/Road :- Motorable Road from Walipur Sumam Chowk

A. For Road Road to Walipur Harizan Tolara Block H.9. Pipariya

1. Damage Location / Chainage:-

2. Damage Length 93

3. Nature of Damage (Length wise)

(i) Breach :- 93

(ii) Crust Damage :- —

(iii) Only Flank Damage

Whether Traffic Fully/Partialily Obstructed :-

4. Details of Restoration

(i) Material Being Used in Restoration :- Brick bats, GSB grit

(ii) Equipment/ Tools being Used in Restoration Works :- Tractor, J.C.B, Roller

(iii) Restored Length

In Open Area :- 93

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/ Abutment/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

In Open Area :-

In Habitation Area :-

Overall Grade of Restoration Work (Satisfactory/Unsatisfactory)

[Signature]
19/11/24
JK

[Signature]
19/11/24
Signature of Inspector
(Offical Seal)

SINo	Circle	Division	Block Name	Name of Road	Type	Created Date	Financial Year
1	Munger	Lakhisarai	Barahiya	Nh-80 Jaitpur To Harijan Tola Thakurwari Tola High MMGSY[SC]hool (20804012003)	Road	30-Oct-24	2024-25
2	Munger	Lakhisarai	Lakhisarai	NH-80 CHIMNEY BHATTA - SABIKPUR VILLAGE (NEA220001380)	Road	30-Oct-24	2024-25
3	Munger	Lakhisarai	Barahiya	NH-80 Dariapur - Aliwali Road (20804002014)	Road	16-Oct-24	2024-25
4	Munger	Lakhisarai	Surajgarha	Repair of Road from NH -80 Milki Dhaala to Abhaypur (20804000827)	Road	16-Oct-24	2024-25
5	Munger	Lakhisarai	Lakhisarai	Babhangama Nimchak to Babhangama Goriyari Tola (20804001018)	Road	16-Oct-24	2024-25
6	Munger	Lakhisarai	Lakhisarai	Babhangama Nimchak to Nemdarganj Road (20804001001)	Road	16-Oct-24	2024-25
7	Munger	Lakhisarai	Barahiya	Jaitpur Khutha Gramin Road to Kabrasthan se Harizan Toli Hote hue Basic school (2080400190022)	Road	16-Oct-24	2024-25
8	Munger	Lakhisarai	Barahiya	NH-80 Dariapur to Aliwali (20803902206)	Road	15-Oct-24	2024-25
9	Munger	Lakhisarai	Chanan	Kiul Jamui Main Road se Vaaskund Kachhua Tola (2080400120059)	Road	15-Oct-24	2024-25
10	Munger	Lakhisarai	Pipariya	Pipariya - Walipur pakar (Rescind work) (20804002047)	Road	14-Oct-24	2024-25
11	Munger	Lakhisarai	Barahiya	Adarsh Laxmipur - Lal Diara (NEA220001318)	Road	14-Oct-24	2024-25
12	Munger	Lakhisarai	Pipariya	RAMCHANDRAPUR BADHI TOLA to KOYALWA- BIND TOLLY PMGSY ROAD (2080400120043)	Road	09-Oct-24	2024-25
13	Munger	Lakhisarai	Pipariya	AOLIPUR RAVIDAS TOLA to L041 AOLIPUR Chock To SUMAN Chowk MMGSY Road (2080400120040)	Road	09-Oct-24	2024-25
14	Munger	Lakhisarai	Pipariya	Consturction & Maintenance of Road Ramchandrapur Panchayat of Sri Krishna Chowk to Harizan Tola via High School Yakshraj Asthan (20804000319)	Road	09-Oct-24	2024-25
15	Munger	Lakhisarai	Barahiya	NH-80 Jaitpur to Khutha Path (20804000844)	Road	09-Oct-24	2024-25
16	Munger	Lakhisarai	Lakhisarai	T02_Mohanpur_More - Jagdishpur_Jalappa_Asthan (NEA220001406)	Road	09-Sep-24	2024-25
17	Munger	Lakhisarai	Surajgarha	NH-80 Suryagarha to Koyalwa Barwaswa Bind Tolly (Rescind) (20804002050)	Road	02-Sep-24	2024-25
18	Munger	Lakhisarai	Pipariya	Consturction & Maintenance of Road Walipur Suman Chowk Road to Walipur Harizan Tola via Block Headquarter Pipariya (20804000320)	Road	02-Sep-24	2024-25
19	Munger	Lakhisarai	Chanan	Manpur to Nagrdar via Malya (20804001024)	Road	02-Sep-24	2024-25
20	Munger	Lakhisarai	Surajgarha	Repair of Road from NH-80 Shaheed Gate to Rampur se Lakhochak via Sitarampur Ithari (20804000826)	Road	02-Sep-24	2024-25

तकनीकी प्रतिवेदन

पथ का नाम :- सुमन चौक पथ से वलीपुर हरिजन टोला भाया ब्लॉक मुख्यालय पिपरिया

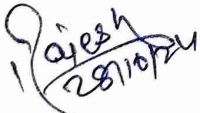
पथ की लम्बाई :- 1.700 कि०मी०

प्राक्कलित राशि :-8.331 लाख

उपरोक्त पथ में मोटरेबुल करने हेतु मरम्मत का प्राक्कलन माह सितम्बर 2024 में हुई भारी बारिश के फलस्वरूप गंगा नदी में पानी का दबाव/बहाव निर्धारित सीमा के काफी बढ़ जाने एवं बाढ़ अतिवृष्टि से हुई क्षति, जैसे पथ बरसात में (लगभग 15 दिनों तक) पथ पानी में डूबे रहने के कारण तैयार किया गया। उल्लेखित पथ लखीसराय जिला के पिपरिया प्रखंड में पड़ता है। गंगा नदी में बाढ़ आने एवं अतिविष्ट कारण जलमग्न हो गया था, जिस कारण भी पथ में भारी क्षति हुई है।

अभियंता प्रमुख-सह-अपर आयुक्त-सह विशेष सचिव, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-मु०अ०-8(अनु० एवं उन्नयन) FDR-03-01/2024-71 दिनांक-09.10.2024 द्वारा प्राप्त निदेश के आलोक में क्षतिग्रस्त पथांश का Drone Video को State MIS पर Upload कराया गया, तत्पश्चात् पथ में Emergent Repair का कार्य पूर्ण कराकर निदेशानुसार पुनः Drone Video को State MIS पर Upload कराया गया एवं कराये गए कार्यों को मापीपुस्ता में दर्ज कराकर प्राक्कलन तैयार किया गया है।

प्रस्तुत प्राक्कलन विभाग द्वारा आमंत्रित निविदा Expression of Interest-Cum-Request for Quote for Empanelment of Supply Agencies में निदिवाकार द्वारा दिये गए दर के आलोक में सामग्रियों के औसत लीड के आधार पर बनाया गया है। पथ के क्षतिग्रस्त pot patch में Brick Bats भर कर GSB Gr.-II में Stone Screening Material (जगह-जगह 200mm मुटोई/गहराई में) भरकर सम्पीडन करने का प्रावधान किया गया है, जिसकी तकनीकी स्वीकृति अपेक्षित है।



कनीय अभियन्ता
ग्रा०का०वि०, कार्य प्रशाखा,
पिपरिया



सहायक अभियन्ता
ग्रा०का०वि०, कार्यअ०प्रमं०,
पिपरिया



कार्यपालक अभियन्ता
ग्रा०का०वि०, कार्य प्रमं०,
लखीसराय

ESTIMATE FOR FLOOD DAMAGED REPAIR

NAME OF ROAD : Motorable Road from Walipur Suman Chowk Road To
Walipur Harijan Tola Via Block H.Q Pipariya
DISTRICT Lakhisarai
BLOCK Pipariya
DIVISION Lakhisarai
LENGTH OF ROAD (in Km) 1.700

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	RESTORATION COST	
1	Brick Bat Filling	7.432
2	GSB GR-II	0.936
	SUB TOTAL	8.331
	TOTAL	8.331
TOTAL COST OF PROJECT IN LACS =		8.331

8.368 / lacs

Rajesh
28/10/24
JE
RWD

YB
28/10/24
AE
RWD

AB
28/10/24
EE
RWD

T/s (provisional) is accorded for Rs. 8,36,800 = 00 (Rs. Eight
lakh thirty six thousand eight hundred only) / —

Amare
23/11/24
Superintending Engineer
Rural Works Department
Works Circle, Munger

Name ro Road :- Motorable Road from Walipur Suman Chowk Road to Walipur Harijan Tola via Block H.Q. Pipariya

SI No.	SDB SL. No.	MORD Ref. No	Description	Unit	NOS	LENGTH	WIDTH	Height	Quantity	Rate	Amount (in Rs.)
Sub Head : PAVEMENT LAYERS-GSB & WBM ITEMS											
1			Brick BAT Filling								
			Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for marking it Motorable per S/D of E/I								
			Qty as per Measurement	cum					242.24		
			Net Qty						242.24	3,068.19	743238.35
1	4.1	401	Granular Sub- Base With Graded Material (Table 400.1)								
			(ii) For Grading II Meterial								
			Construction of Granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.								
			Qty as per Measurement cum						31.8		
			Net GSY Qty						31.8	2,944.92	93648.46
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=											836886.80




 28/10/24

Pot Measurement

Brick Bats

Name or Road :- Motorable Road from Walipur Suman Chowk Road to Walipur Harijan Tola via
Block H.Q. Pipariya

Nos.	Length (m)	Width (m)	Width (m) Avg.	Thickness (m)	Qty. (Cum.)
1	20	(2+3.8)/2	2.900	1.600	92.800
1	30	(2+3.0)/2	2.500	1.200	90.000
1	23	(2.5+3.5)/2	3.000	1.100	75.900
1	20	(1.8+3.1)/2	2.450	0.900	44.100
				Total	302.800

93
20% Less for voids

60.56 cum
242.24 cum

93
28/10/24
21

46
28/10/24
072

Pot Measurement

GSB Gr-II

Name of Road:- Motorable Road from Walipur Suman Chowk Road To Walipur Harijan Tola Via Block H.Q Pipariya

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1	20	2.00	0.200	8.00
1	30	2.50	0.200	15.00
1	22	2.00	0.200	8.80
Total				31.80

72
Pajesh
28/10/24
St

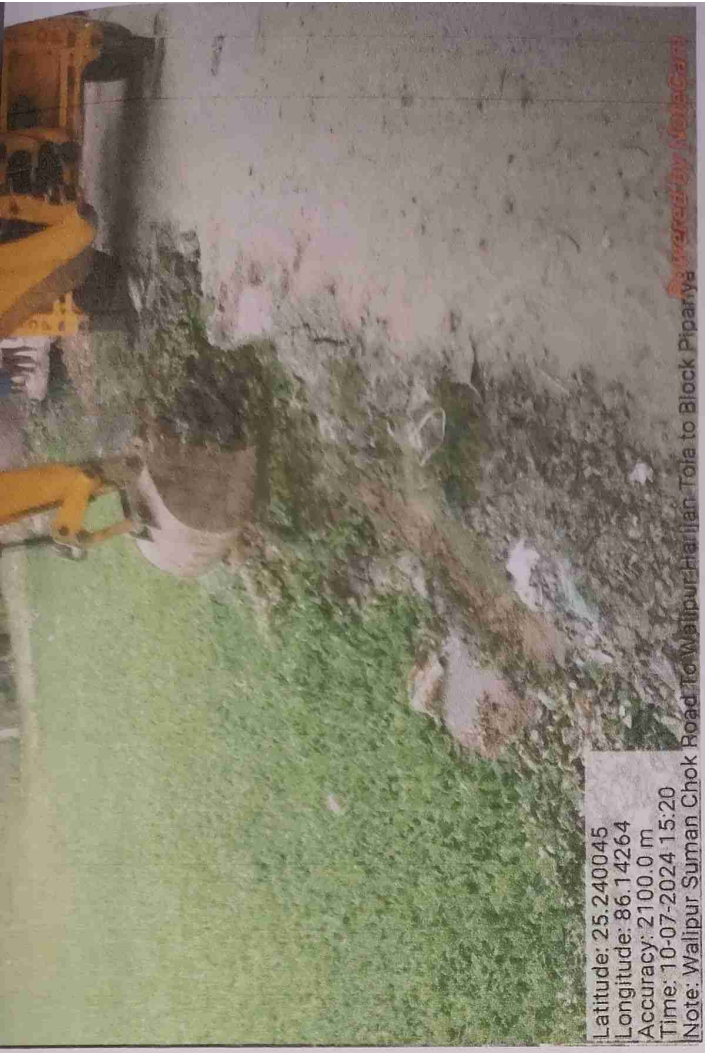
72
MB
28/10/24
MB

72
28/10/24
Rr



Latitude: 25.240089
Longitude: 86.142574
Accuracy: 200.0 m
Time: 10-07-2024 15:18
Note: Walipur Suman Chok Road To Walipur Harlian Tola to Block Pipariya

Powered by NoteCam



Latitude: 25.240045
Longitude: 86.14264
Accuracy: 2100.0 m
Time: 10-07-2024 15:20
Note: Walipur Suman Chok Road To Walipur Harlian Tola to Block Pipariya

Powered by NoteCam



Latitude: 25.240078
Longitude: 86.14259
Accuracy: 2100.0 m
Time: 10-07-2024 15:21
Note: Walipur Suman Chok Road To Walipur Harlian Tola to Block Pipariya

Powered by NoteCam

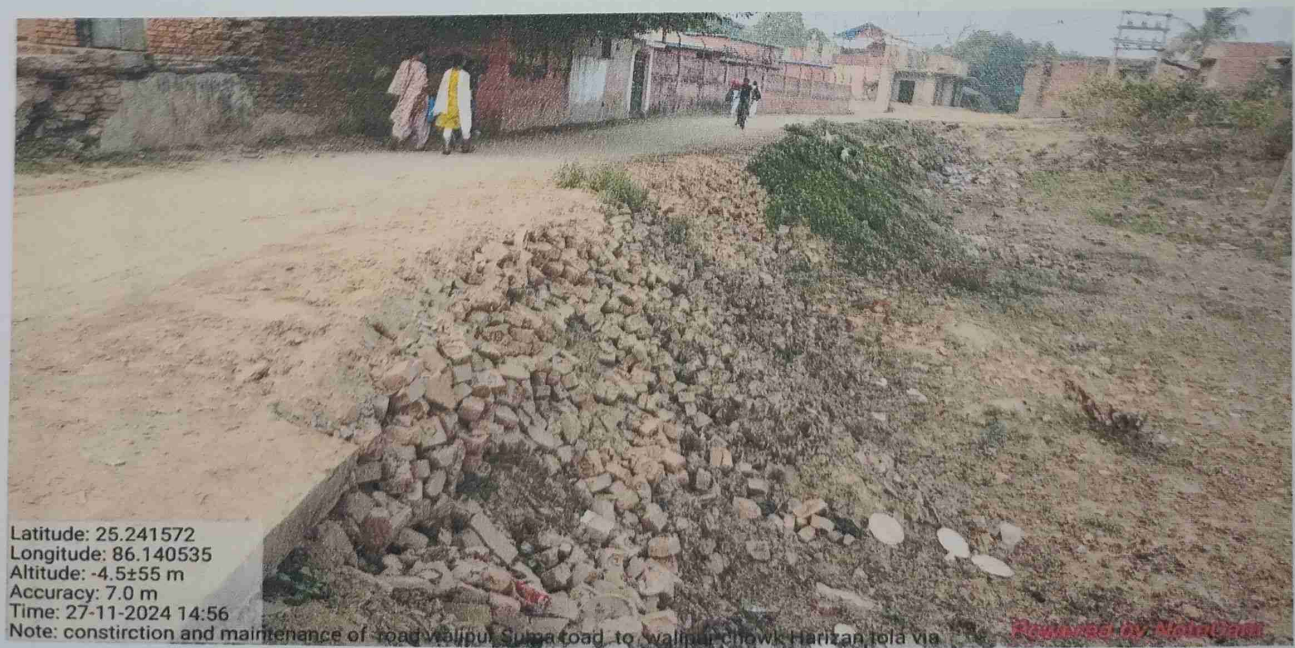
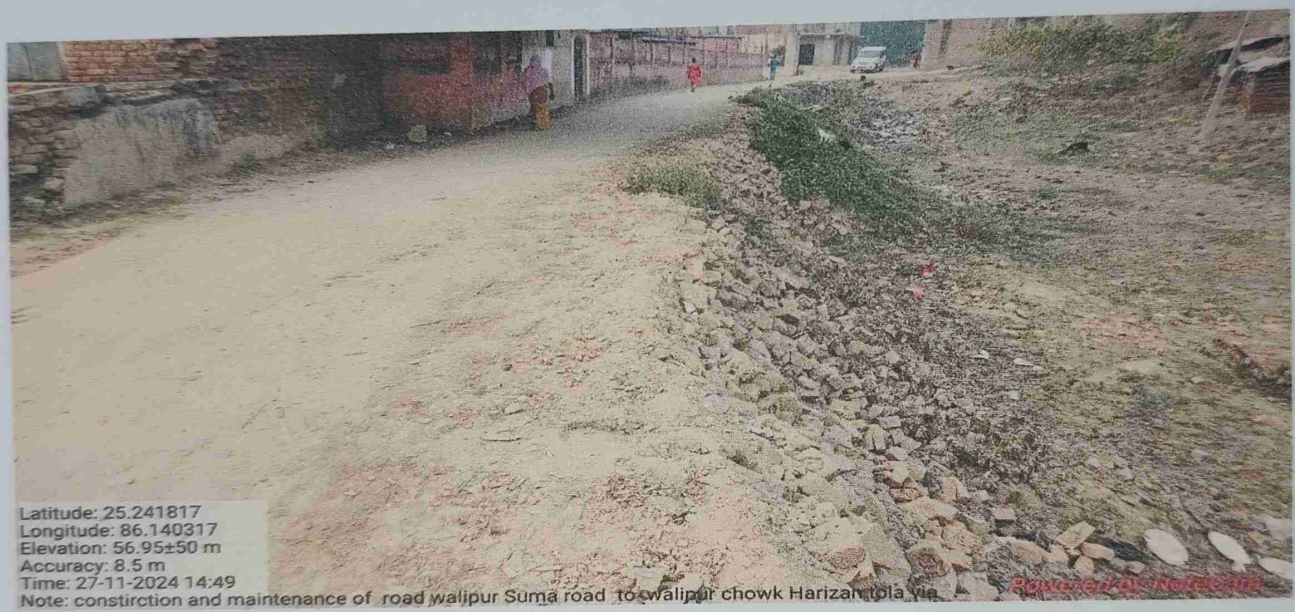
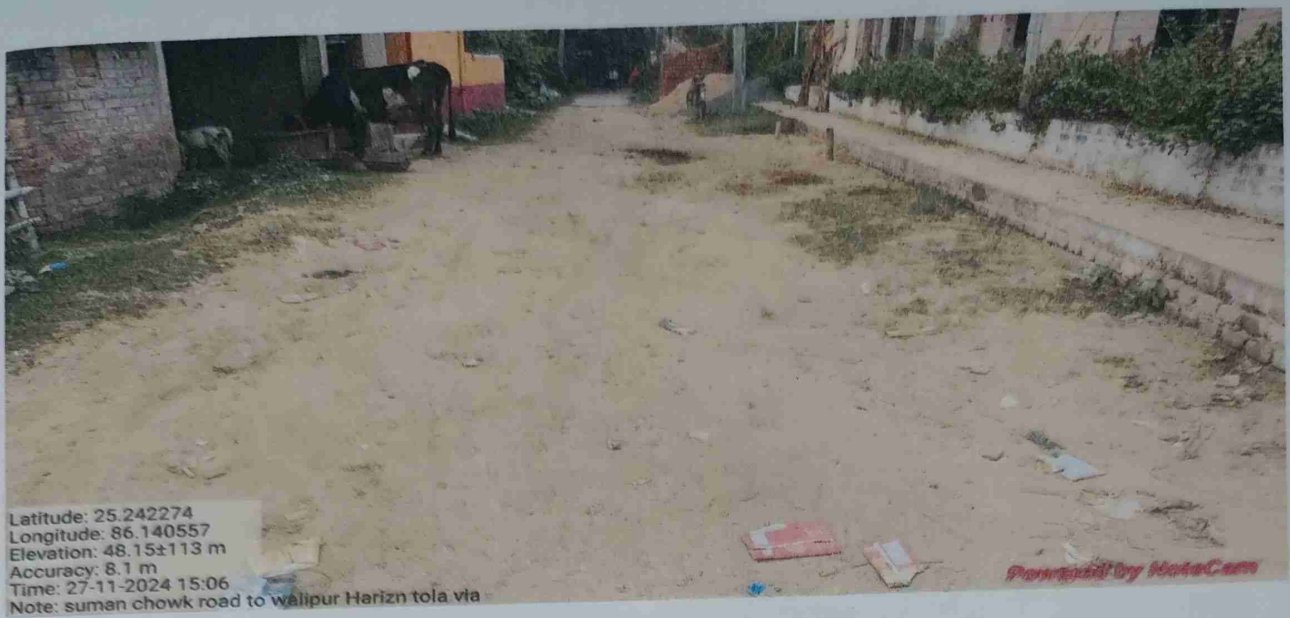


GPS Map Camera
Walipur, Bihar, India
64RR+P6H, near MRMP middle school, Walipur, Bihar 811311, India
Lat 25.24166° Walipur sumant hank ye kanyan tala hote
Long 86.140662° huc prakhand mukhyalay mehanpur
08/07/24 10:11 AM GMT +05:30
Google

12/5

12/5

12/5



Rajesh
S.K.

27/11/24
R

Analysis of Rates (FORMAT F8)

No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs		
5	4.10	401	PAVEMENT CRUST LAYERS						
			Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.						
			(ii) For Grading II Material Unit = cum Taking output = 300 cum						
			a) Labour						
			Mate	day	0.48	595.00	285.60		
			Mazdoor (Skilled)	day	2.00	595.00	1190.00		
			Mazdoor (Unskilled)	day	10.00	470.01	4700.10		
			b) Machinery						
			Tractor mounted grader arrangement for grading @ 100 cum per hour	hour	12.00	1704.01	20448.12		
			Three wheel 80-100 kN static roller @ 10 cum per hour	hour	30.00	1918.21	57546.30		
			Tractor with Rotavator 25 cum per hour	hour	12.00	1704.01	20448.12		
			Water tanker 6 kl capacity	hour	5.00	764.00	3820.00		
			Cost of GSB for 300 cum				108438.24		
			Rate per cum (a+b)/300				361.46		
			c) Material						
Well graded granular sub-base material as per Table 400.1									
26.5 mm to 9.5 mm @ 35 per cent	cum	132.00	1943.21	256503.72					
Water	kl	30.00	61.40	1842.00					
Cost of GSB for 300 cum				258345.72					
Rate per cum (c)/100	cum			2583.46					
Rate per cum with carriage				2944.92					
			Total Cost	CUM			2944.92		
4 1)	9.30	1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row 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.						
			B. 1000 MM DIA Unit =m Taking output =7.5 m (3 pipes of 2.5 m length each)						
			a) Material						
			iii) RCC pipe NP 3 pipe including collar at site	m	7.50	7852.71	58895.33		
			b) Labour						
			Mate	day	0.09	321.00	28.89		
			Mason (1st class)	day	0.25	564.00	141.00		
			Mazdoor (Unskilled)	day	2.00	470.01	940.02		
			Cost for 7.5m = (a+b+c+d)				60005.24		
			Rate per m =(a+b+c+d)/7.5				8000.70		
			Carriage cost:-						
			RCC pipe NP3 concrete pipe including collar at site	m	1.00	135.76	135.76		
			Rate per cum including Carriage				8136.46		
						Total Cost	m		8136.46
			4			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)									
b) Material		2.17				470.01	1019.92		
Brick Bats = 1.20 x 2.832 cum		3.40				2256.71	7669.20		
Cost for 2.832 cum							8689.12		
Rate / cum							3068.19		
							3068.19		

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work: EO-Cum-Request for Quote For Empanelment Of Supply Agencies

Contract No.

SCHEDULE OF WORK / ITEM(S)

SLNo	Description of Work / Item(s)	No. of Qty	Units	Estimated Rate
1.00	Material			
2.00	Empty Cement Bags (Supply of Empty Cement Bag Capacity 1.2 CFT in Good condition And As per Specification)	1.00	Each	
3.00	Bamboos (75 mm Dia 6 m to 8 m Long)	1.00	no	
4.00	100 mm Dia 6m to 8m Long	1.00	no	
5.00	Brick Bats (Brick Bats of Well Burnt Bricks)	1.00	Cum	
6.00	Local Sand (As per Specification)	1.00	Cum	
7.00	Kiln Rubbish (is Should be clean & Free from other impurities)	1.00	Cum	
8.00	Hume Pipe (NP3) 1000mm Dia (NP3 Rcc Hume Pipe)	1.00	Meier	
9.00	Hume Pipe (NP3) 601mm Dia (NP3 Rcc Hume Pipe)	1.00	Meier	
10.00	Boulders/Boulders Size 150mm & below)	1.00	Cum	
11.00	Boulder minimum Size 300mm	1.00	Cum	
12.00	Granular Sub Base material Grading-ii (Granular Sub Base Material Grading-ii as per Specification)	1.00	Cum	
13.00	Stone Metal Aggregates Gr-iii (Stone metal aggregate Grade-iii as per Specification)	1.00	Cum	
14.00	Stone Metal Aggregates Gr-iii (Stone metal aggregate Grade-iii as per Specification)	1.00	Cum	
15.00	Screening Material Type-B (Screening Materials Types As per Specification)	1.00	Cum	
16.00	Labour			
17.00	Unskilled Labour (8 hrs/ Day)	1.00	Per day	

Rate	Amount	Rate	Amount
8.91	8.91	10.00	10.00
288.20	288.20	300.00	300.00
311.90	311.90	350.00	350.00
2256.71	2256.71	3000.00	3000.00
399.50	399.50	450.00	450.00
1449.30	1449.30	1500.00	1500.00
7852.71	7852.71	8000.00	8000.00
3311.70	3311.70	4000.00	4000.00
2041.41	2041.41	2100.00	2100.00
2041.41	2041.41	2100.00	2100.00
1943.21	1943.21	2000.00	2000.00
2482.50	2482.50	2500.00	2500.00
2623.61	2623.61	2700.00	2700.00
1745.41	1745.41	1800.00	1800.00
470.01	470.01	500.00	500.00

L1 Amount	L1 Vendor
-----------	-----------

8.91	Ranjit Kumar
288.20	Ranjit Kumar
311.90	Ranjit Kumar
2256.71	Ranjit Kumar
399.50	Ranjit Kumar
1449.30	Ranjit Kumar
7852.71	Ranjit Kumar
3311.70	Ranjit Kumar
2041.41	Ranjit Kumar
2041.41	Ranjit Kumar
1943.21	Ranjit Kumar
2482.50	Ranjit Kumar
2623.61	Ranjit Kumar
1745.41	Ranjit Kumar

470.01	Ranjit Kumar
--------	--------------

470.01/11

18.00	Semi Skilled Labour(8 hrs/ Day)	1.00	Per day
19.00	Skilled Labour(8 hrs/ Day)	1.00	Per day
20.00	Mason(8 hrs/ Day)	1.00	Per day
21.00	Head Mason(8 hrs/ Day)	1.00	Per day
22.00	Bhist(8 hrs/ Day)	1.00	Per day
23.00	Carpenter(8 hrs/ Day)	1.00	Per day
24.00	Night Guard(8 hrs/ Day)	1.00	Per day
25.00	Electrician(8 hrs/ Day)	1.00	Per day
26.00	III Tools, Plant & Machines With Driver & Fuel		
28.00	Front End Loader 10 cum(Soil Loading/ Aggregate Loading) (Cum/ Hour 60/25)	1.00	Cum/ Hour
29.00	6-10 Ton smooth Wheeled(Compaction / Consolidation) Cum/ hour 70/25	1.00	Cum/ Hour
30.00	Tractor With Trolley(Transportation of Material) Cum 3 to 5 ton	1.00	Cum
31.00	Tractor(Transportation of Material) Cum 5.5	1.00	Cum
32.00	Tractor With Tipper(Transportation of Material) Cum 3 to 5 ton	1.00	Cum
33.00	Generator Set With Fuel(Generation of Electrical Energy) KVA 5	1.00	KVA

Total in Figures

Lowest Amount Quoted By: Ranjit Kumar(44133.99)

489.01	489.01	489.01	500.00	500.00
595.00	595.00	595.00	600.00	600.00
564.00	564.00	564.00	600.00	600.00
531.81	531.81	531.81	550.00	550.00
470.00	470.00	470.00	500.00	500.00
564.01	564.01	564.01	600.00	600.00
631.81	631.81	631.81	650.00	650.00
481.91	481.91	481.91	600.00	600.00
1704.01	1704.01	1704.01	1800.00	1800.00
1918.21	1918.21	1918.21	2000.00	2000.00
818.70	818.70	818.70	900.00	900.00
1714.71	1714.71	1714.71	1800.00	1800.00
2465.61	2465.61	2465.61	2500.00	2500.00
1958.71	1958.71	1958.71	2000.00	2000.00

44133.99

45910.00

489.01	Ranjit Kumar
595.00	Ranjit Kumar
564.00	Ranjit Kumar
531.81	Ranjit Kumar
470.00	Ranjit Kumar
564.01	Ranjit Kumar
631.81	Ranjit Kumar
481.91	Ranjit Kumar

1704.01	Ranjit Kumar
1918.21	Ranjit Kumar
818.70	Ranjit Kumar
1714.71	Ranjit Kumar
2465.61	Ranjit Kumar
1958.71	Ranjit Kumar

Divisional Accounts Officer
Rural Works Department
Work Division, Lakhisarai

Executive Engineer
RWD Works Division
Lakhisarai