

ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR FLOOD DAMAGED REPAIR



Name of the Road :-

Motorable Road from NH-80 Jaitpur To Khutha Path

DISTRICT	:	Lakhisarai	
DIVISION	:	Lakhisarai	
BLOCK	:	Barahiya	
TOTAL LENGTH OF ROAD	:	4.500	KM
TOTAL COST	:	8.569	Lac
AVERAGE COST PER KM	:	1.904	Lac
TOTAL COST OF PROJECT	:	8.569	Lac

Submitted By:

Executive Engineer

RWD WORKS DIVISION

Lakhisarai

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- R.O.D. work Division Lakhisar Kharpur - Tarapur

Name of Block/Road :- Motable Road from NH-80 Jaitpur to

A. For Road Khutta Path.

1. Damage Location / Chainage:-

2. Damage Length 540m

3. Nature of Damage (Length wise)

(i) Breach :- 50m

(ii) Crust Damage :- 490m

(iii) Only Flank Damage

Whether Traffic Fully/Partialily Obstructed :-

4. Details of Restoration

(i) Material Being Used in Restoration :- Brick bat, G.S.B. grB

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

(iii) Restored Length

In Open Area :- 540m

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

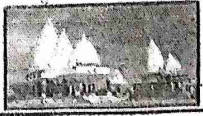
In Open Area :-

In Habitation Area :-

Overall Grade of Restoration Work (Satisfactory/Unsatisfactory)

1/11/24
OK

Signature
Signature of Inspector
(Officail Seal)



समाहरणालय लखीसराय

(जिला गोपनीय शाखा)



पत्रांक 2526/गो0

लखीसराय,

दिनांक 30.09.2024

प्रेषक,

जिला पदाधिकारी,
लखीसराय।

सेवा में,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल लखीसराय।

विषय:- बाढ़/अतिवृष्टि-2024 के कारण क्षतिग्रस्त पथों में मोटरबल कार्य कराने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि बाढ़/अतिवृष्टि-2024 के कारण निम्न पथों में बड़े-बड़े गड्ढे हो जाने के कारण आवागमन में काफी कठिनाई उत्पन्न हो रही है और जिसके कारण दुर्घटना होने की संभावना है।

क्र०	पथ का नाम	प्रखंड	लम्बाई (कि०मी० में)	Latitude	Longitude
1	Babhangama Nimchak to Neemdarganj (Goriyari Tola)	Lakhisarai	2.370	25.209563	86.019518
2	Pipariya - Walipur pakar	Pipariya	2.162	25.247299	86.135583
3	Pratappur (Resudual Part) to Aijnighat	Barahiya	2.000	25.218908	86.961861
4	NH-80 Dariapur - Aliwali Road	Barahiya	4.500	25.252138	86.057245
5	NH-80 Jaitpur to Khutha Path	Barahiya	4.500	25.262657	86.032881
6	Road from NH-80 Shaheed Gate to Rampur se Lakhochak via Sitarampur Ithari	Suryagarha	6.200	25.174284	86.143644
7	Road from NH -80 Milki Dhaala to Abhaypur	Suryagarha	8.800	25.282925	86.340086
8	NH-80 Suryagarha to Koyalwa Barwaswa Bind Tolly (Rescind)	Suryagarha	12.802	25.285028	86.164208

अतः उपरोक्त पथों में तत्काल गड्ढों को भरकर मोटरबल कार्य कराना सुनिश्चित करेंगे, जिससे कि आवागमन/विधि-व्यवस्था एवं आपदा से संबंधित बचाव/राहत के कार्यों में कोई कठिनाई उत्पन्न न हो, साथ ही साथ पूर्ण-पुनर्स्थापन के कार्य में कटाव वाले स्थल पर पुल/पुलिया का निर्माण कराना सुनिश्चित करें।

विश्वसभाजन

30/9/2024

जिला पदाधिकारी
लखीसराय

तकनीकी प्रतिवेदन

पथ का नाम :- NH-80 जैतपुर से खुटहा पथ

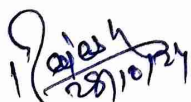
पथ की लम्बाई :- 4.50 कि०मी०

प्राक्कलित राशि :-8.569 लाख

उपरोक्त पथ में मोटरबुल 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 डूबा रहा उल्लेखित पथ लखीसराय जिला के बड़हिया 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 एवं जिला पदाधिकारी, लखीसराय का पत्रांक-2526 दिनांक-30.09.2024 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 निदिवाकर 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.-III में Stone Screening Material (जगह-जगह 200mm एवं 100mm/150mm मुटोई/गहराई में) भरकर सम्पीडन करने का प्रावधान किया गया है, जिसकी तकनीकी स्वीकृति अपेक्षित है।



कनीय अभियन्ता
ग्रा०का०वि०, कार्य प्रशाखा,
बड़हिया



सहायक अभियन्ता
ग्रा०का०वि०, कार्यअ०प्रमं०,
बड़हिया



कार्यपालक अभियन्ता
ग्रा०का०वि०, कार्य प्रमं०,
लखीसराय

ESTIMATE FOR FLOOD DAMAGED REPAIR

NAME OF ROAD : Motorable Road from NH-80 Jaitpur To Khutha Path

DISTRICT Lakhisarai

BLOCK Barahiya

DIVISION Lakhisarai

LENGTH OF ROAD (in Km) 4.500

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	RESTORATION COST	
1	Brick Bat Filling	2.927 2.947
2	GSB GR-II	5.642
	SUB TOTAL	8.569
	TOTAL	8.589-8.569
TOTAL COST OF PROJECT IN LACS =		8.569

8.589 lacs

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RWD

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29/10/24
AE
RWD

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29/10/24
EE
RWD

T/S (provision) is accorded for Rs. 8,58,900 = 00 (Rs. Eight lakh fifty eight thousand nine hundred only) / -

[Signature]
29/11/24
Superintending Engineer
Rural Works Department
Works Circle, Munger

Name ro Road :- Motorable Road from Adarsh Laxmipur to Lal Diara

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					96.06		
			Net Qty						96.06	3,068.19	294730.33
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					191.58		
			Net GSY Qty						191.58	2,944.92	564187.77
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=											858918.11

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Pot Measurement Brick Bats

Name or Road :- Motorable Road from NH-80 Jaitpur to Khutha Path

Nos.	Length (m)	Width (m)	Width (m) Avg.	Thickness (m)	Qty. (Cum.)
2	8	(3+4.1)/2	3.550	0.800	45.440
1	12	(2.5+3.8)/2	3.150	0.750	28.350
2	6	(2.8+3.5)/2	3.150	0.700	26.460
2	5	(2.6+3.5)/2	3.050	0.650	19.825
Total					120.075

20% Less for voids

24.01 cum

96.06 cum

1 Rajesh
28/10/24
SE

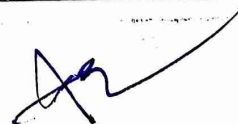
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Pot Measurement

GSB Gr-II

Name of Road:- Motorable Road from NH-80 Jaitpur To Khutha Path

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
2	8	3.00	0.150	7.20
1	12	2.50	0.200	6.00
3	6	3.00	0.200	10.80
2	8	3.00	0.150	7.20
2	4	1.10	0.150	1.32
1	3	1.20	0.150	0.54
3	5	1.50	0.200	4.50
3	2	1.00	0.150	0.90
4	3	0.80	0.200	1.92
5	2	1.10	0.150	1.65
1	5	1.60	0.200	1.60
1	6	1.80	0.150	1.62
1	4	2.00	0.150	1.20
1	3	1.30	0.200	0.78
4	2	1.25	0.150	1.50
2	3	1.50	0.100	0.90
1	4	1.10	0.100	0.44
2	6	1.00	0.150	1.80
3	5	1.25	0.150	2.81
4	4	1.40	0.150	3.36
1	3	3.00	0.200	1.80
2	3	1.60	0.150	1.44
3	2	1.20	0.150	1.08
1	4	1.10	0.150	0.66
1	5	0.60	0.200	0.60
2	7	2.00	0.150	4.20
1	9	2.40	0.200	4.32
1	10	2.80	0.150	4.20
2	8	3.00	0.100	4.80
1	7	3.30	0.100	2.31
3	5	3.50	0.150	7.88
1	7	2.40	0.200	3.36
1	9	2.10	0.150	2.84
1	11	3.00	0.100	3.30
2	9	2.40	0.200	8.64
1	7	2.80	0.150	2.94
2	8	3.00	0.100	4.80
1	7	3.30	0.100	2.31
3	5	3.50	0.150	7.88
1	7	2.40	0.200	3.36
1	9	2.10	0.150	2.84
2	5	3.00	0.100	3.00
1	3	1.60	0.150	0.72
1	2	1.20	0.150	0.36

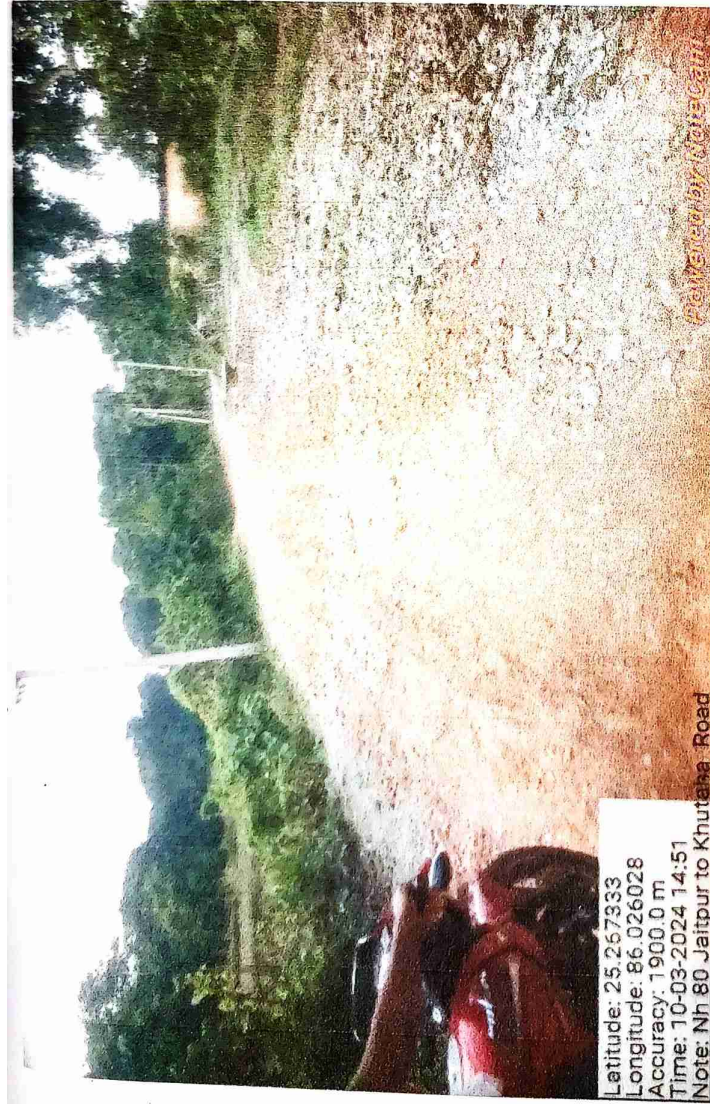


Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
3	5	1.10	0.150	2.48
1	6	0.60	0.200	0.72
1	7	2.00	0.150	2.10
2	9	2.40	0.200	8.64
1	8	0.80	0.150	0.96
1	8	2.20	0.100	1.76
3	7	3.00	0.100	6.30
1	9	3.40	0.150	4.59
2	10	3.30	0.150	9.90
1	8	2.80	0.150	3.36
3	6	2.35	0.200	8.46
1	8	2.25	0.150	2.70
1	7	2.30	0.120	1.93
			Total	191.58

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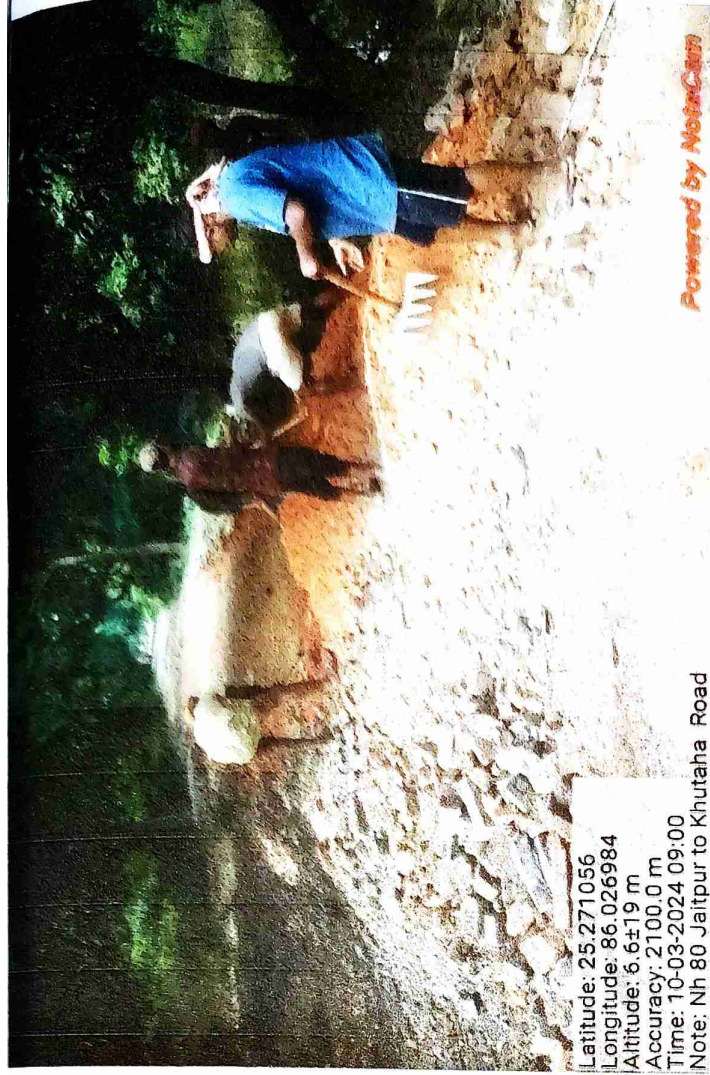
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28/10/24



Latitude: 25.267333
Longitude: 86.026028
Accuracy: 1900.0 m
Time: 10-03-2024 14:51
Note: Nh 80 Jaitpur to Khutaha Road

Powered by NoteCam



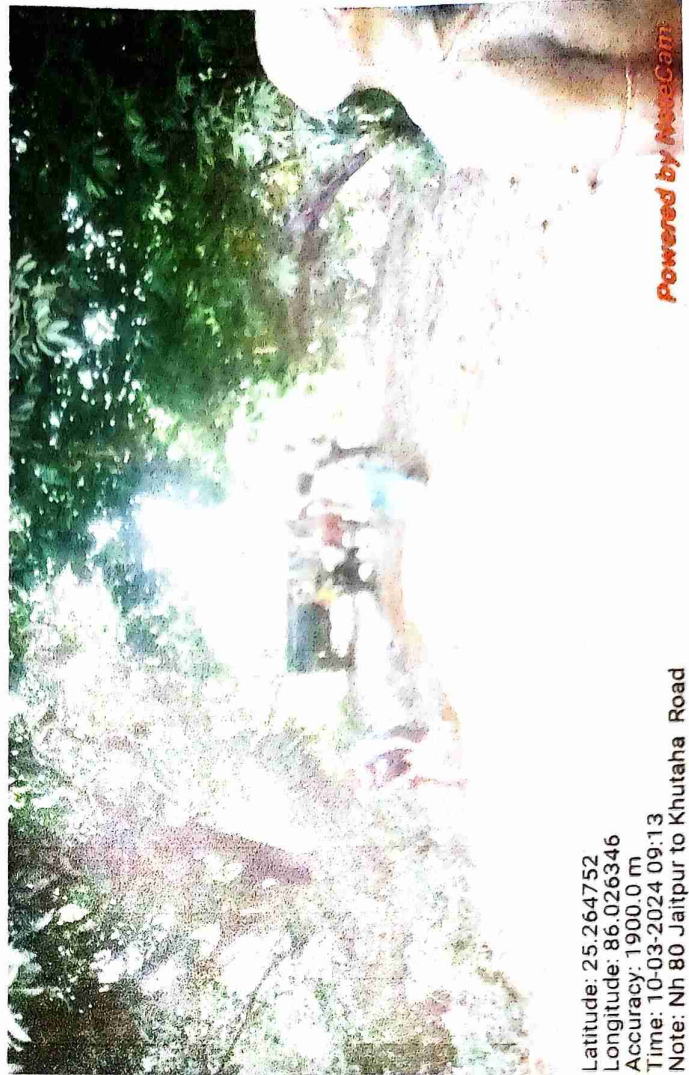
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Longitude: 86.026984
Altitude: 6.6±19 m
Accuracy: 2100.0 m
Time: 10-03-2024 09:00
Note: Nh 80 Jaitpur to Khutaha Road

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Latitude: 25.262181
Longitude: 86.026984
Accuracy: 2000.0 m
Time: 10-03-2024 09:13
Note: Nh 80 Jaitpur to Khutaha Road

Powered by NoteCam



Latitude: 25.264752
Longitude: 86.026346
Accuracy: 1900.0 m
Time: 10-03-2024 09:13
Note: Nh 80 Jaitpur to Khutaha Road

Powered by NoteCam

Rajendra
Upadhyay
28/03/24

As per

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
PAVEMENT CRUST LAYERS							
36	4.10	401	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	day	0.48	595.00	285.60
			Mate	day	2.00	595.00	1190.00
			Mazdoor (Skilled)	day	10.00	470.01	4700.10
			Mazdoor (Unskilled)				
		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	cum	132.00	1943.21	256503.72
			26.5 mm to 9.5 mm @ 35 per cent	kl	30.00	61.40	1842.00
			Water				258345.72
			Cost of GSB for 300 cum				2583.46
			Rate per cum (c)/100	cum			2944.92
			Rate per cum with carriage				
			Total Cost	CUM			2944.92
54 (II)	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
64			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)		2.17	470.01	1019.92
		b)	Material				
			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: Engr-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	Rate	Amount	Rate	Amount	SUNDAR NIRMAL (GSTN: 04APVP4954K) ZG BID NA-587224 ID-587187
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		8.91	8.91	10.00	10.00	
3.00	Bamboos (75 mm Dia 6 m to 8 m Long)	1.00	no		288.20	288.20	300.00	300.00	
4.00	100 mm Dia 6m to 8m Long	1.00	no		311.90	311.90	350.00	350.00	
5.00	Brick Bats/Brick Bats of Well Burnt Bricks)	1.00	Cum		2256.71	2256.71	3000.00	3000.00	
6.00	Local Sand(As per Specification)	1.00	Cum		399.50	399.50	450.00	450.00	
7.00	Min Rubbish(g Should be clean & Free from other impurities)	1.00	Cum		1449.30	1449.30	1500.00	1500.00	
8.00	Hume Pipe (NP3) 1000mm Dia(NP3 Rcc Hume Pipe)	1.00	Meter		7852.71	7852.71	8000.00	8000.00	
9.00	Hume Pipe (NP3) 601mm Dia(NP3 Rcc Hume Pipe)	1.00	Meter		3311.70	3311.70	4000.00	4000.00	
10.00	Boulders/Boulders Size 150mm & below)	1.00	Cum		2041.41	2041.41	2100.00	2100.00	
11.00	Boulder minimum Size 300mm	1.00	Cum		2041.41	2041.41	2100.00	2100.00	
12.00	Granular Sub Base material Grading-II(Granular Sub Base Material Grading-I as per Specification)	1.00	Cum		1943.21	1943.21	2000.00	2000.00	
13.00	Stone Metal Aggregates Gr-III(Stone metal aggregate Grade-III as per Specification)	1.00	Cum		2482.50	2482.50	2500.00	2500.00	
14.00	Stone Metal Aggregates Gr-III(Stone metal aggregate Grade-III as per Specification)	1.00	Cum		2623.61	2623.61	2700.00	2700.00	
15.00	Screening Material Type-B(Screening Materials Types As per Specification)	1.00	Cum		1745.41	1745.41	1800.00	1800.00	
16.00	Unskilled Labour(6 hrs/ Day)	1.00	Per day		470.01	470.01	500.00	500.00	

L1 Amount	L1 Vendor
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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
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20/11/24

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 Trolley(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)

44133.99

46910.00

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

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

Divisional Accounts Officer
Rural Works Department
Work Division, Lakhisarai

Executive Engineer
RWD Works Division
Lakhisarai