



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR FLOOD DAMAGED REPAIR

Bihar(बिहार)Map



Name of the Road :-

Motorable Road from Jaitpur Khutha Gramin Road To Kabristan Se Harijan Toli
hote hue Basic School

	:		
DISTRICT	:	Lakhisarai	
DIVISION	:	Lakhisarai	
BLOCK	:	Barahiya	
TOTAL LENGTH OF ROAD	:	1.190	KM
TOTAL COST	:	2.052 2.075	Lac
AVERAGE COST PER KM	:	1.724	Lac
TOTAL COST OF PROJECT	:	2.052 2.075	Lac

Submitted By:

Executive Engineer

RWD WORKS DIVISION

Lakhisarai

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- P.W.D. WORK Division, ~~Chandigarh~~ Kharypur, Farakka
 Name of Block/Road :- ~~Motorable Road~~ Groom Jaitpur Khutha Gramin
 Road to Kabiistan Se Haridwar to Ithokhue Basic School

A. For Road

1. Damage Location / Chainage:- 0 to 1 KM

2. Damage Length 256 m

3. Nature of Damage (Length wise)	(i) Breach :- 16 m
	(ii) Crust Damage :- 240 m
	(iii) Only Flank Damage -

Whether Traffic Fully/Partialily Obstructed :-

4. Details of Restoration

(i) Material Being Used in Restoration :- Bricks, C.S.B

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

(iii) Restored Length	In Open Area :- 256 m
	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)

Q. J. S.
 18/11/24
 34

Dele
 18/11/24
 Signature of Inspector
 (Officail 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 :- जैतपुर खुटहा ग्रामीण पथ से कबरिस्तान से हरिजन टोली होते हुए बेसिक स्कूल

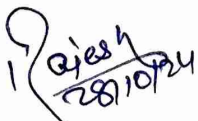
पथ की लम्बाई :- 1.190 कि०मी०

प्राक्कलित राशि :- 2.052 लाख

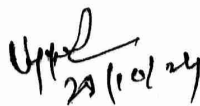
उपरोक्त पथ में मोटरबुल करने हेतु मरम्मति का प्राक्कलन माह सितम्बर 2024 में हुई भारी बारिश के फलस्वरूप गंगा नदी में पानी का दबाव/बहाव निर्धारित सीमा के काफी बढ़ जाने एवं बाढ़ अतिवृष्टि से हुई क्षति, जैसे पथ बरसात में (लगभग 15 दिनों तक) पथ पानी में डूबे रहने के कारण तैयार किया गया। उल्लेखित पथ लखीसराय जिला के 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 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 मापीपुस्त 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.-III में Stone Screening Material (जगह-जगह 200mm एवं 150mm/100mm 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 Jaitpur Khutha Gramin Road To
Kabristan Se Harijan Toli hote hue Basic School
DISTRICT Lakhisarai
BLOCK Barahiya
DIVISION Lakhisarai
LENGTH OF ROAD (in Km) 1.190

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	RESTORATION COST	
1	Brick Bat Filling	0.613 0.589
2	GSB GR-II	1.462
	SUB TOTAL	2.052
	TOTAL	2.075 2.052
TOTAL COST OF PROJECT IN LACS =		2.052

2.075 lacs

Rajesh
28/10/24
JE
RWD

Upendra
28/10/24
AE
RWD

Prakash
28/10/24
EE
RWD

T/s (provisional) is accorded for Rs. 2,07,500=00 (Rs. Two
lakh seven thousand five hundred only) / —

Prakash
28/11/24
Superintending Engineer
Rural Works Department
Works Circle, Munger

Name ro Road :- Motorable Road from Jaitpur Khutha Road to Kabristan Se Harijan tolai Hote hue Basic School

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					19.97		61271.75
			Net Qty						19.97	3,068.19	
1	4.1	401	Granular Sub- Base With Graded Material (Table 400.1)								
		(ii)	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.						49.66		
			Qty as per Measurement	cum					49.66	2,944.92	146244.73
			Net GSY Qty								
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=											207516.48




 28/10/24

Pot Measurement Brick Bats

Name or Road :- Motorable Road from Jaitpur Khutha Road to Kabristan Se Harijan tolai Hote hue
Basic School

Nos.	Length (m)	Width (m)	Width (m) Avg.	Thickness (m)	Qty. (Cum.)
2	8	(2+3.2)/2	2.600	0.600	24.960
Total					24.960

length 18 m
20% Less for voids

4.99 cum
19.97 cum

1/2/2024
28/10/24
51

UPP
28/10/24
AD

Pot Measurement GSB Gr-II

Name of Road:- Motorable Road from Jaitpur Khutha Gramin Road To Kabristan Se Harijan Toli
hote hue Basic School

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1	8	3.00	0.150	3.60
1	3	2.50	0.200	1.50
1	4	3.00	0.200	2.40
1	6	3.00	0.150	2.70
1	4	1.10	0.150	0.66
1	3	1.20	0.150	0.54
1	5	1.50	0.200	1.50
1	2	1.00	0.150	0.30
1	3	1.20	0.200	0.72
1	2	1.10	0.150	0.33
1	5	1.60	0.200	1.60
1	6	1.80	0.150	1.62
1	4	0.80	0.150	0.48
1	3	1.30	0.200	0.78
2	2	1.25	0.150	0.75
2	3	1.50	0.100	0.90
1	4	1.10	0.100	0.44
1	6	1.00	0.150	0.90
1	5	1.25	0.150	0.94
1	4	1.40	0.150	0.84
1	3	1.15	0.200	0.69
1	3	1.30	0.150	0.59
1	2	1.25	0.150	0.38
1	4	0.85	0.150	0.51
1	5	0.90	0.200	0.90
1	7	1.10	0.150	1.16
1	9	2.40	0.200	4.32
1	6	1.12	0.150	1.01
1	8	1.00	0.100	0.80
1	7	0.50	0.100	0.35
3	5	0.80	0.150	1.80
1	7	0.95	0.200	1.33
1	9	0.25	0.150	0.34
2	5	0.75	0.100	0.75
1	4	0.65	0.200	0.52
1	6	1.10	0.150	0.99
1	5	1.50	0.100	0.75
1	3	1.25	0.100	0.38
1	2	1.30	0.150	0.39
1	4	1.50	0.200	1.20
1	6	1.00	0.150	0.90
2	5	0.80	0.100	0.80
3	3	0.90	0.150	1.22
1	2	1.20	0.150	0.36

28/10/24
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AB

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1	5	0.55	0.150	0.41
1	6	0.60	0.200	0.72
1	7	1.40	0.150	1.47
1	5	1.12	0.200	1.12
256			Total	49.66

12/08/24
28/10/24
SL

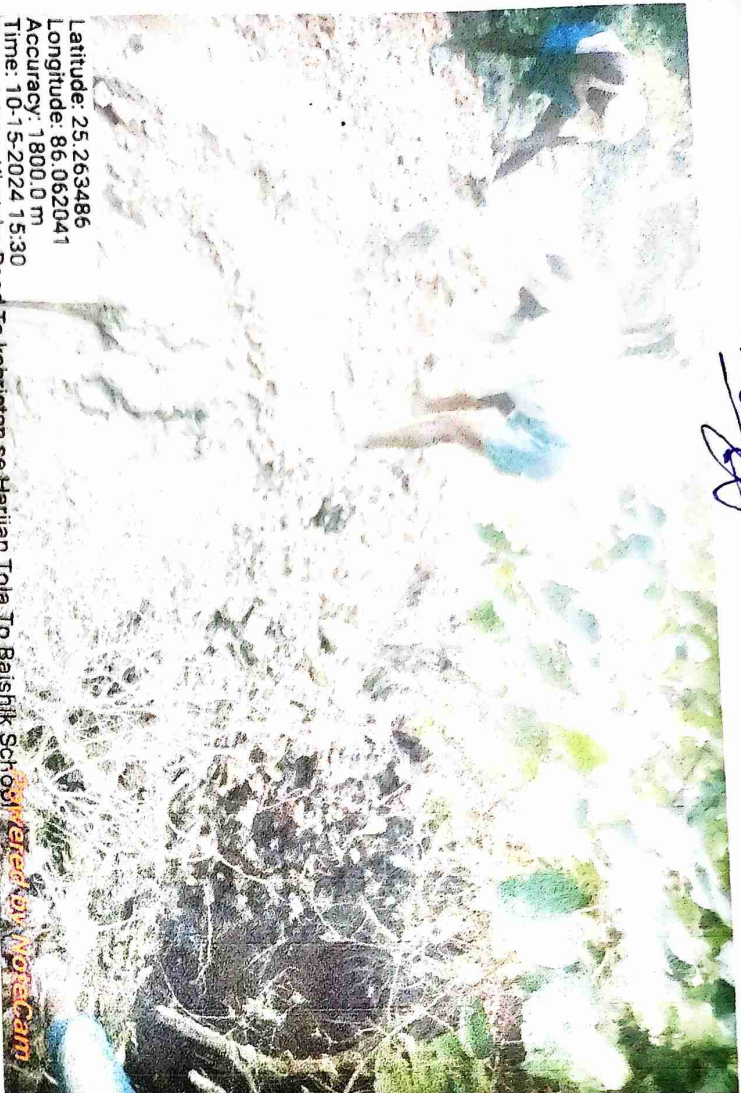
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SL

Analysis of Rates (FORMAT F8)

No.	SDB Sl. No.	MCRD 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				
			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
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

— nilesh kumar



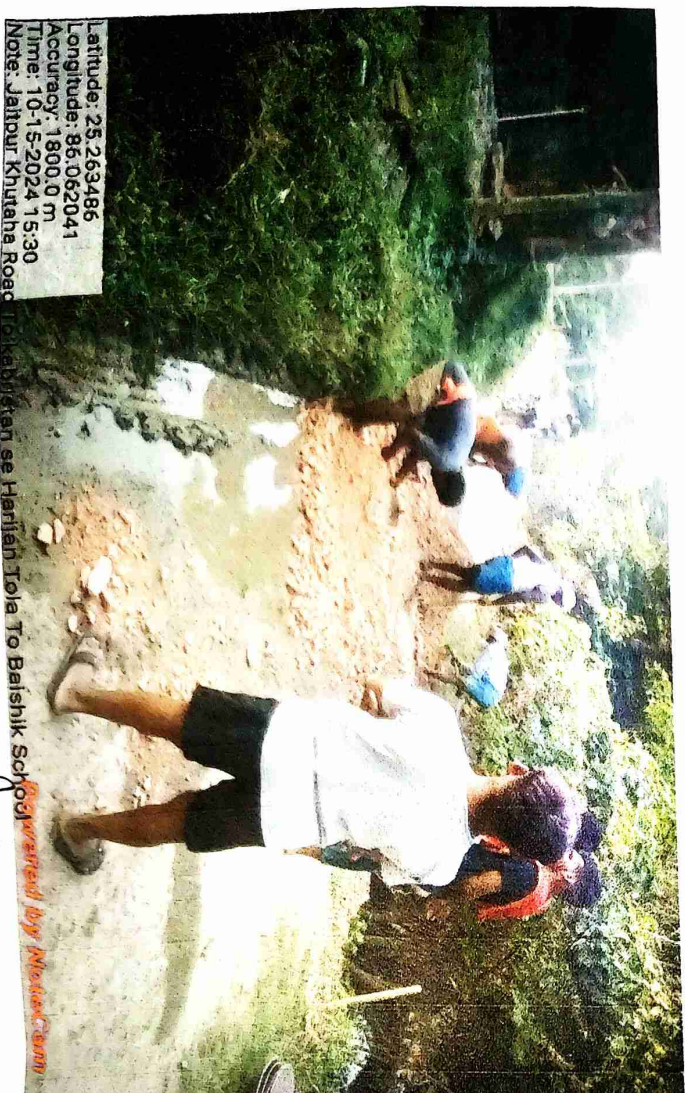
Latitude: 25.263486
Longitude: 86.062041
Accuracy: 1800.0 m
Time: 10-15-2024 15:30
Note: Jaipur Khuraha Road To Kabristan se Harijan Tola To Baisik School

Generated by PhotoCam



Latitude: 25.263486
Longitude: 86.062041
Accuracy: 1800.0 m
Time: 10-15-2024 15:30
Note: Jaipur Khuraha Road To Kabristan se Harijan Tola To Baisik School

Generated by PhotoCam



Latitude: 25.263486
Longitude: 86.062041
Accuracy: 1800.0 m
Time: 10-15-2024 15:30
Note: Jaipur Khuraha Road To Kabristan se Harijan Tola To Baisik School



— nilesh kumar

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	Rate	Amount	Rate	Amount	Rate	Amount
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		10.00
3.00	Bamboos(75 mm Dia 6 m to 8m Long)	1.00	no		288.20	288.20	300.00	300.00		300.00
4.00	100 mm Dia 6m to 8m Long	1.00	no		311.90	311.90	350.00	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		3000.00
6.00	Local Sand(As per Specification)	1.00	Cum		399.50	399.50	450.00	450.00		450.00
7.00	Klin Rubbish(Should be clean & Free from other impurities)	1.00	Cum		1449.30	1449.30	1500.00	1500.00		1500.00
8.00	Hume Pipe (NP3) 1000mm Dia(NP3 Rcc Hume Pipe)	1.00	Meier		7852.71	7852.71	8000.00	8000.00		8000.00
9.00	Hume Pipe (NP3) 601mm Dia(NP3 Rcc Hume Pipe)	1.00	Meier		3311.70	3311.70	4000.00	4000.00		4000.00
10.00	Boulders(Boulders Size 150mm & below)	1.00	Cum		2041.41	2041.41	2100.00	2100.00		2100.00
11.00	Boulder minimum Size 300mm	1.00	Cum		2041.41	2041.41	2100.00	2100.00		2100.00
12.00	Granular Sub Base material Grading-II(Granular Sub Base Material Grading-II as per Specification)	1.00	Cum		1943.21	1943.21	2000.00	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		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		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		1800.00
16.00	Labour									
17.00	Unskilled Labour(8 hrs/ Day)	1.00	Per day		470.01	470.01	500.00	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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11/11/24

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	Blind(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	1.00	Cum/ Hour
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
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	500.00
595.00	595.00	595.00	600.00	600.00	600.00
564.00	564.00	564.00	600.00	600.00	600.00
531.81	531.81	531.81	550.00	550.00	550.00
470.00	470.00	470.00	500.00	500.00	500.00
564.01	564.01	564.01	600.00	600.00	600.00
631.81	631.81	631.81	650.00	650.00	650.00
481.91	481.91	481.91	600.00	600.00	600.00
1704.01	1704.01	1704.01	1800.00	1800.00	1800.00
1918.21	1918.21	1918.21	2000.00	2000.00	2000.00
818.70	818.70	818.70	900.00	900.00	900.00
1714.71	1714.71	1714.71	1800.00	1800.00	1800.00
2465.61	2465.61	2465.61	2500.00	2500.00	2500.00
1958.71	1958.71	1958.71	2000.00	2000.00	2000.00

44133.99

48910.00

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