



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR FLOOD DAMAGED REPAIR



Name of the Road :-

Motorable Road from NH-80 Chimny Bhatta To Sabikpur Village

DISTRICT	:	Lakhisarai	
DIVISION	:	Lakhisarai	
BLOCK	:	Lakhisarai	
TOTAL LENGTH OF ROAD	:	4.650	KM
TOTAL COST	:	0.542 - 0.537	Lac
AVERAGE COST PER KM	:	0.116	Lac
TOTAL COST OF PROJECT	:	0.542 - 0.537	Lac

Submitted By:

Executive Engineer

RURAL WORKS DIVISION

Lakhisarai

INSPECTION REPORT FOR MOTORABLE WORK	
Name of PIUs :- RWD CW) Div Lakhisarai/Kharagpur, Terapuri	
Name of Block/Road :- Motorable Road from NH 80 Chimny Bhatta to Sabikpur village	
A. For Road	
1. Damage Location / Chainage:-	1.8 KM
2. Damage Length	17 m
3. Nature of Damage (Length wise)	(i) Breach :-
	(ii) Crust Damage :- 17 m
	(iii) Only Flank Damage
Whether Traffic Fully/Partialily Obstructed :-	
4. Details of Restoration	
(i) Material Being Used in Restoration :- Brick lab, GSBGRD	
(ii) Equipment/ Tools being Used in Restoration Works :- Tractor, J.C.B, Roller	
(iii) Restored Length	In Open Area :- 17 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)	

18/11/24
ac

18/11/24
Signature of Inspector
(Officail Seal)

SlNo	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 Nerdarganj Road (20804001001)	Road	16-Oct-24	2024-25
7	Munger	Lakhisarai	Barahiya	Jaitpur Khutha Gramin Road to Kabrasthan se Harizan Toli Hote hae 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	Kul Jami Main Road se Vaaskund Kachhwa 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	Mazpur to Nagrdar via Mahya (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 Itihari (20804000826)	Road	02-Sep-24	2024-25

तकनीकी प्रतिवेदन

पथ का नाम :- NH-80 चिमनी भट्टा से साबिकपुर भिलेज

पथ की लम्बाई :- 4.650 कि०मी०

प्राक्कलित राशि :-0.537 लाख

उपरोक्त पथ में मोटेरेबुल करने हेतु मरम्मत का प्राक्कलन माह सितम्बर 2024 में हुई भारी बारिश के फलस्वरूप हरोहर नदी में पानी का दबाव/बहाव निर्धारित सीमा के काफी बढ़ जाने एवं बाढ़ अतिवृष्टि से हुई क्षति (लगभग 5 दिनों तक) पथ पानी में डूबे रहना के कारण तैयार किया गया है। उल्लेखित पथ लखीसराय जिला के लखीसराय प्रखंड में पड़ता है। हरोहर नदी के बीचों-बीच होकर गुजरता है। गंगा नदी में बाढ़ आने से हारोहर नदी में पानी का उल्टा धारा बहने के 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।

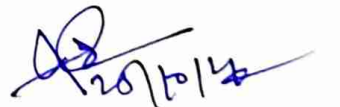
प्रस्तुत प्राक्कलन विभाग द्वारा आमंत्रित निविदा Expression of Interest-Cum-Request for Quote for Empanelment of Supply Agencies में निदिवाकार द्वारा दिये गए दर के आलोक में सामग्रियों के औसत लीड के आधार पर बनाया गया है। पथ में पुल का पहुँच पथ का कटाव हुआ है, तथा pot patch में Brick Bats भर कर GSB Gr.-III में Stone Screening Material (जगह-जगह 300mm एवं 150mm मुटोई/गहराई में) भरकर सम्पीडन करने का प्रावधान किया गया है, जिसकी तकनीकी स्वीकृति अपेक्षित है।



कनीय अभियन्ता
ग्रा०का०वि०, कार्य प्रशाखा,
लखीसराय



सहायक अभियन्ता
ग्रा०का०वि०, कार्यअ०प्रमं०,
लखीसराय



कार्यपालक अभियन्ता
ग्रा०का०वि०, कार्य प्रमं०,
लखीसराय

ESTIMATE FOR FLOOD DAMAGED REPAIR

NAME OF ROAD : Motorable Road from NH-80 Chimny Bhatta To Sabikpur Village
 DISTRICT Lakhisarai
 BLOCK Lakhisarai
 DIVISION Lakhisarai
 LENGTH OF ROAD (in Km) 4.650

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	RESTORATION COST	
1	Brick Bat Filling	0.416
2	GSB GR-II	0.126
	SUB TOTAL	0.537
	TOTAL	0.537
TOTAL COST OF PROJECT IN LACS =		0.537

0.542 lacs


28/10/24

JE
RWD


28/10/24

AE
RWD


28/10/24

EE
RWD

T/S (provisional) is accorded for Rs. 0,54,200=00 (Rs. fifty four ^{thousand} ~~lacs~~ two hundred only) /—


27/10/24
Superintending Engineer
Rural Works Department
Munger Circle, Munger
27/11/24

Name ro Road :- Motorable Road from NH-80 Chimny Bhatta to Sabikpur Village

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						13.56		
			Qty as per Measurement	cum					13.56	3,068.19	41604.66
			Net Qty								
2	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						4.265		
			Net GSB Qty						4.265	2,944.92	12560.08
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=											54164.74

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Pot Measurement
GSB Gr.-II

Name or Road :- NH-80 Chimny Bhatta to Sabikpur Village

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1	3	2.500	0.150	1.125
1	10	1.400	0.150	2.100
1	4	1.300	0.200	1.040
Total				4.265

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Pot Measurement Brick Bats

Name or Road :- NH-80 Chimny Bhatta to Sabikpur Village

Nos.	Length (m)	Width (m)	Width (m) Avg.	Thickness (m)	Qty. (Cum.)
1	3	(2.5+3.5)/2	3.000	1.300	11.700
1	10	(1.4+2.1)/2	1.750	0.300	5.250

Total

16.950

20% Less for voids

3.39 cum

13.56 cum /

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28/10/24
AB

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28/10/24
AB



Latitude: 25.20801
Longitude: 86.085836
Elevation: 35.0±3 m
Accuracy: 3.8 m
Time: 27-11-2024 13:47
Address: 635P+W5
Balgudar, Munger Division, Bihar
811311 India
Note: NH 80 chimney bhatta se sabikpur

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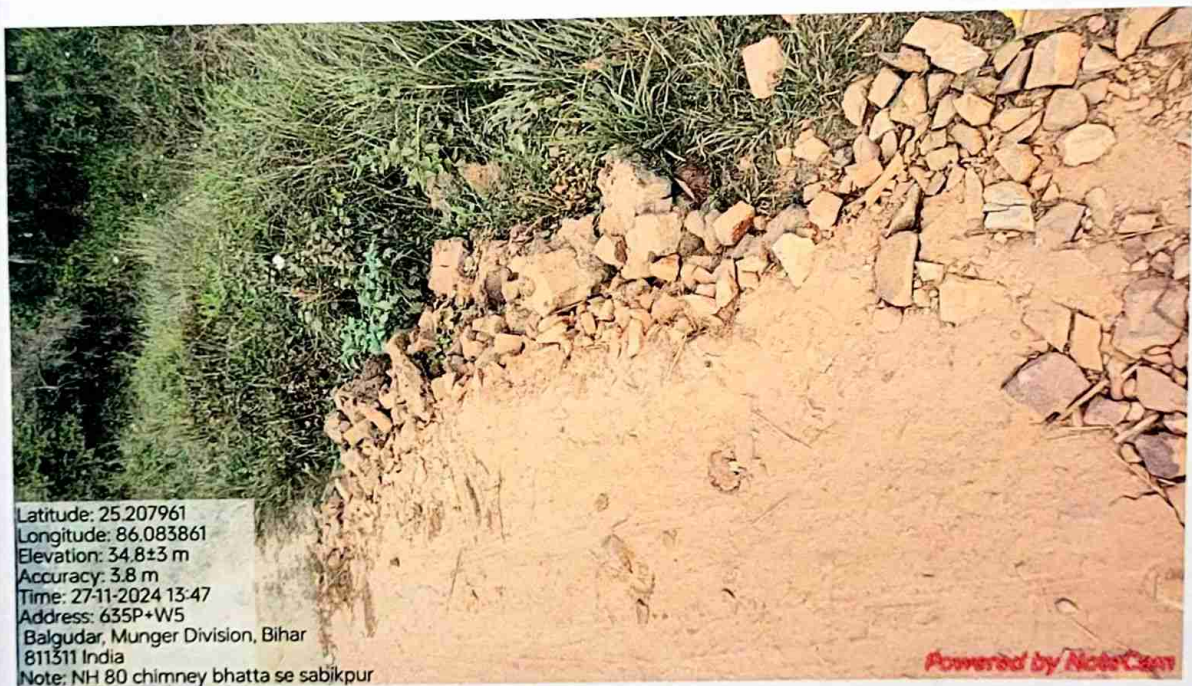


Latitude: 25.207941
Longitude: 86.083856
Elevation: 35.54±3 m
Accuracy: 3.8 m
Time: 27-11-2024 13:47
Address: 635P+W5
Balgudar, Munger Division, Bihar
811311 India
Note: NH 80 chimney bhatta se sabikpur

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Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
36	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
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
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)		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: 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	Ranjit Kumar (GSTN: 10APVPK4954K) ZG) BID ID: 587187	Rate	Amount	SUNDAR NIRMAL (GSTN: NA) 587224	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	Bamboo(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 Batts(Brick Batts 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	Kin Rubber(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	Meter		7852.71	7852.71	8000.00	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		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 w/ Granular Sub Base Material Grading as per Specification)	1.00	Cum		1943.21	1943.21	2000.00	2000.00		2000.00
13.00	Stone Metal Aggregates Gr w/ Stone metal aggregate Grade- as per Specification)	1.00	Cum		2482.50	2482.50	2500.00	2500.00		2500.00
14.00	Stone Metal Aggregates Gr w/ Stone metal aggregate Grade- 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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22/11/24

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	BNst(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

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

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

Total in Figures

44133.99

46910.00

Lowest Amount Quoted BY: Ranjit Kumar(44133.99)

Divisional Accounts Officer
Rural Works Department
Work Division, Lakhisarai

Executive Engineer
RWD Works Division
Lakhisarai