

ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR FLOOD DAMAGED REPAIR

Bihar(बिहार)Map



Name of the Road :-

Motorable Road from Ramchandrapur Badhi Tola To Koyalwa Bind Toli PMGSY Road

DISTRICT	:	Lakhisarai	
DIVISION	:	Lakhisarai	
BLOCK	:	Pipariya	
TOTAL LENGTH OF ROAD	:	0.320	KM
TOTAL COST	:	2.855 2.96/	Lac
AVERAGE COST PER KM	:	8.921	Lac
TOTAL COST OF PROJECT	:	2.855	Lac

Submitted By:

Executive Engineer

RWD WORKS DIVISION

Lakhisarai

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- R.W.D work Division Lathisara Kharagpur, Tarapur
in Ward from Ramchandrapur Gadhi, 7/9

Name of PIUs :- K. w. D. work
Name of Block/Road :- Motorable Road from Ramnandarpur Badli, tal/g

A. For Road tokoya/wa Bima to/ P.m.G.S.y Road

1. Damage Location / Chainage:- 0.15 KM to 0.25 KM

2. Damage Length 59m

3. Nature of Damage (Length wise)	(i) Breach :- 40m
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	(ii) Crust Damage :-	19 m
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	(iii) Only Flank Damage
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Whether Traffic Fully/Partialily Obstructed :-

4. Details of Restoration

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

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

(iii) Restored Length	In Open Area :-	59 m
	In Habitation Area :	

(iii) Restored Length

In Open Area :- 59m

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 :-
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(iii) Restored Length

~~In Open Area :-~~

In Habitation Area :-

Overall Grade of Restoration Work (Satisfactory/Unsatisfactory)

~~Rajesh~~
~~19/11/24~~
~~JE~~

Signature of Inspector
(Official Seal)

तकनीकी प्रतिवेदन

पथ का नाम :- रामचन्द्रपुर बड़ी टोला से कोयलवा बिन्द टोली

पथ की लम्बाई :- 0.320 कि०मी०

प्राक्कलित राशि :- 2.855 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 डूबा रहा 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.-III में Stone Screening Material (जगह-जगह 200mm एवं 150mm 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 Ramchandrapur Badhi Tola To
Koyalwa Bind Toli PMGSY Road

DISTRICT Lakhisarai
BLOCK Pipariya
DIVISION Lakhisarai
LENGTH OF ROAD (in Km) 0.320

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	RESTORATION COST	
1	Brick Bat Filling	2.0132 2.025
2	GSB GR-II	0.830
	SUB TOTAL	2.962 2.855
	TOTAL	2.962 2.855
TOTAL COST OF PROJECT IN LACS =		2.855

2.962/200

Raiesh
28/10/24
JE
RWD

YB
28/10/24
AE
RWD

28/10/24
EE
RWD

T/S (provisional) is accorded for Rs. 2,96,200=00
(Rs. Two lakh ninety six thousand two hundred only) 1-

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

25/11/24

Name of Road :- Motorable Road from Ramchandrapur Badhi Tola to Koyalwa Bind Toli PMGSY Road

SI No.	SDB 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						69.48		
			Qty as per Measurement	cum					69.48	3,068.19	213177.84
			Net Qty								
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.						28.17		
			Qty as per Measurement	cum					28.17	2,944.92	82958.40
			Net GSY Qty								
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=											296136.24

Handwritten signature and date 28/10/24

Handwritten signature and date 28/10/24

Pot Measurement

Brick Bats

Name or Road :- Motorable Road from Ramchandrapur Badhi Tola to Koyalwa Bind Toli PMGSY Road

Nos.	Length (m)	Width (m)	Width (m) Avg.	Thickness (m)	Qty. (Cum.)
1	20	(3+4.2)/2	3.600	0.700	50.400
1	10	(2.8+3.5)/2	3.150	0.600	18.900
2	5	(2.3+3.1)/2	2.700	0.650	17.550

40

Total

86.850

20% Less for voids

17.37 cum

69.48 cum

19/10/24
28/10/24
JL

46
28/10/24
012

Pot Measurement GSB Gr-II

Name of Road:- Motorable Road from Ramchandrapur Badhi Tola To Koyalwa Bind Toli PMGSY Road

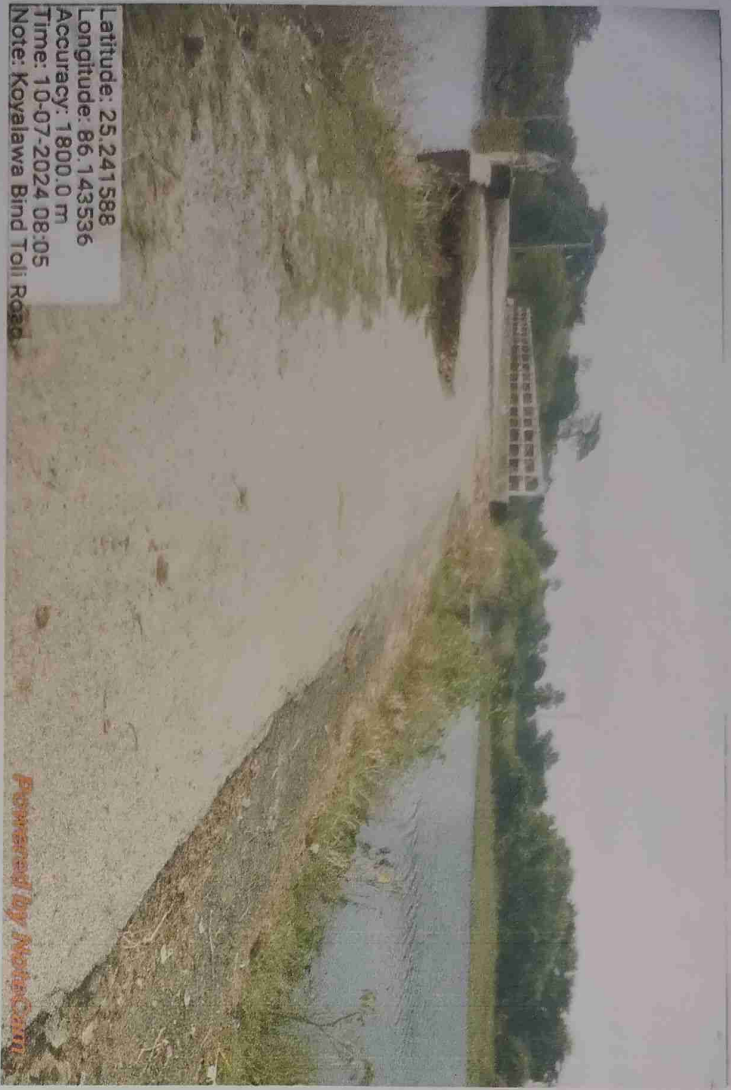
Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1	20	3.00	0.200	12.00
1	10	3.00	0.150	4.50
2	5	3.00	0.200	6.00
1	4	0.60	0.150	0.36
1	3	0.55	0.150	0.25
1	3	3.00	0.150	1.35
1	4	2.30	0.150	1.38
1	5	3.10	0.150	2.33
Total				28.17

Rajesh
28/10/24
S-k

MB
28/10/24
MB

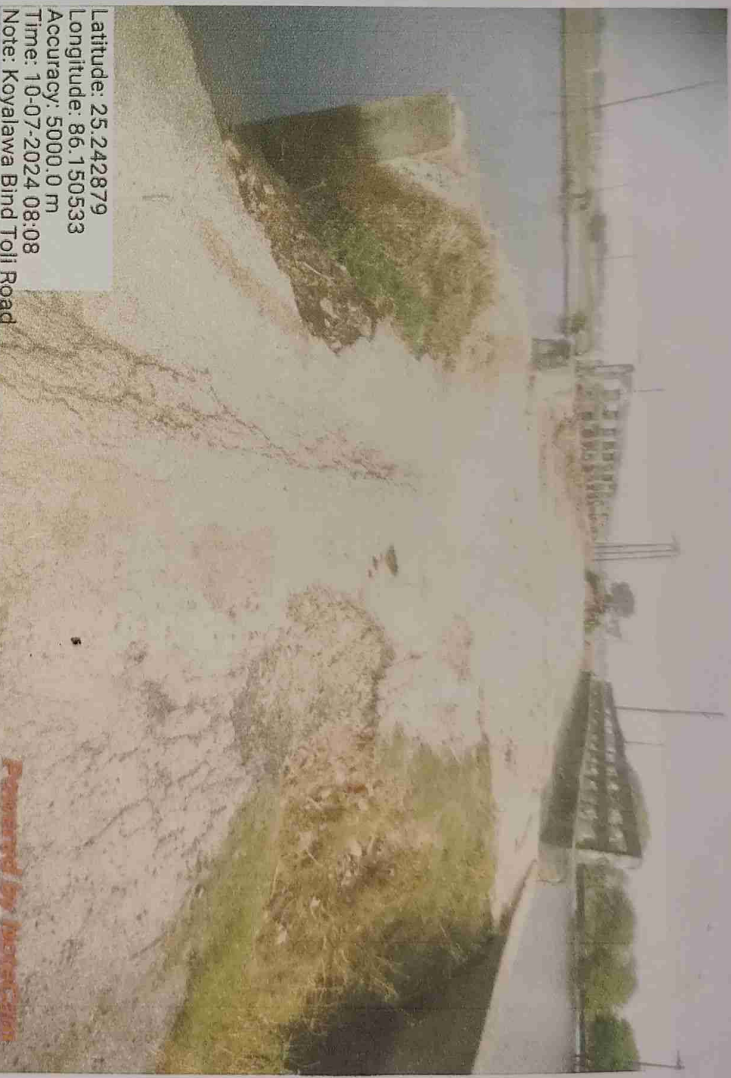
MB
28/10/24
BR-

Latitude: 25.241588
Longitude: 86.143536
Accuracy: 1800.0 m
Time: 10-07-2024 08:05
Note: Koyalaawa Bind Toll Road



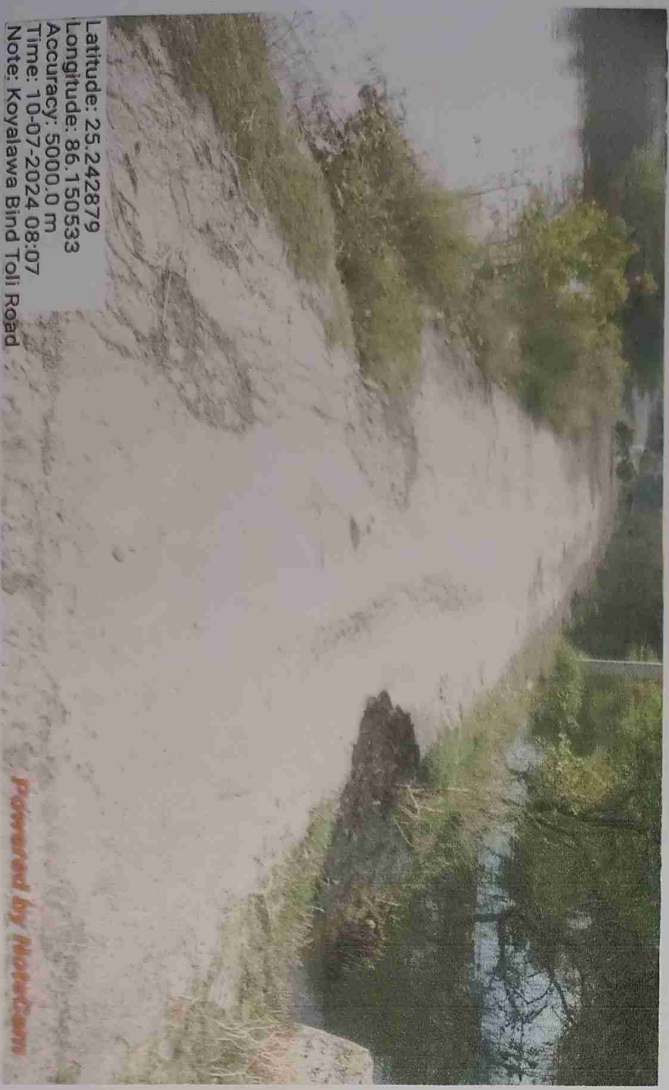
Powered by NoteCam

Latitude: 25.242879
Longitude: 86.150533
Accuracy: 5000.0 m
Time: 10-07-2024 08:08
Note: Koyalaawa Bind Toll Road



Powered by NoteCam

Latitude: 25.242879
Longitude: 86.150533
Accuracy: 5000.0 m
Time: 10-07-2024 08:07
Note: Koyalaawa Bind Toll Road



Powered by NoteCam

Latitude: 25.242879
Longitude: 86.150533
Accuracy: 5000.0 m
Time: 10-07-2024 08:10
Note: Koyalaawa Bind Toll Road



Powered by NoteCam

Rajesh
29/10/24

28/10/24

28/10/24



Ramesh
 SE

Ad
 28/11/24

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				
			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
							3068.19

eProcurement System for Pradhan Mantri Gram Sadak Yojana (PMGSY)
 Created By: Anand Prakash
 Created Date/Time: 11-Jul-2024 12:22 PM
 Tender Title: EO-Cum-Request for Quote for Empanelment of Supply Agencies
 Tender ID: 2024_ECBIN_135058_1

Tender Inviting Authority: Engg-in Chief RWD Patna
 Name of Work: EO-Cum-Request for Empanelment of Supply Agencies
 Contract No.:

SCHEDULE OF WORK / ITEM(S)				
SL No.	Description of Work / Item(s)	No. of Qty	Units	Estimated Rate
				Ranjit Kumar (GSTN: 10APVPK1954KJZG) BID ID: 587187
				SUNDAR NIRMANGSTN: NAJ-587224

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 8m Long)	1.00	no	
4.00	100 mm Dia 6m to 8m Long	1.00	no	
5.00	Brick Bats (Back Bats of Well Burnt Bricks)	1.00	Cum	
6.00	Local Sand (As per Specification)	1.00	Cum	
7.00	Kin Rubbish (It Should be clean & Free from other impurities)	1.00	Cum	
8.00	Hume Pipe (NP3) 1000mm Dia (NP3 Rcc Hume Pipe)	1.00	Meter	
9.00	Hume Pipe (NP3) 607mm Dia (NP3 Rcc Hume Pipe)	1.00	Meter	
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)	1.00	Cum	
13.00	Stone Metal Aggregates Gr-III (Stone metal aggregate Grade-II 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	

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	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 6025	1.00	Cum/ Hour
29.00	6-10 Ton smooth Wheeled(Compaction / Consolidation) Cum/ hour 7025	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 Ton	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)

489.01	489.01	489.01	500.00	500.00	500.00
995.00	995.00	995.00	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

46910.00

489.01	Ranjit Kumar
995.00	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

[Signature]
Divisional Accounts Officer
Rural Works Department
Work Division, Lakhisarai

[Signature]
Executive Engineer
RWD Works Division
Lakhisarai