



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

PLAN HEAD :- F.D.R. 2245

YEAR (2024-25)

State :- BIHAR
District :- Motihari
Block :- Chiraiya

Rasulpur Se Bela

Actual Length of Road	=	3.878 Km
Flood affected Length of Road	=	0.025 Km
TOTAL COST OF PAVEMENT	Rs	28,04,151.00
TOTAL PROJECT COST	Rs	28,04,151.00

Submitted By:
Executive Engineer
RWD (W) Division, Shikaharna, Dhaka

Prepared By:
Executive Engineer
RWD (W) Division, Shikaharna, Dhaka

तकनीकी प्रतिवेदन

योजना का नाम:- Rasulpur se Bela

क्षतिग्रस्त पथ की लम्बाई:- 0.025 K.M.

प्राक्कलित राशि:- 28,04,151.00

योजना शीर्ष :- **3054/2245 F.D.R.**

प्राधिकार :- सचिव, ग्रामीण कार्य विभाग, बिहार, पटना का मु0अ0-4(मु0) विविध
(कार्य)-06-109/2024-1956 दिनांक-28-05-2024

प्रतिवेदन

प्रस्तुत प्राक्कलन अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथ के पथांश का प्राक्कलन

मात्र के लिए ग्रामीण कार्य विभाग, कार्य प्रमण्डल ...Dhaka... के
शीर्ष F.D.R. 3045 के अन्तर्गत तैयार किया गया है।

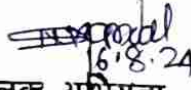
पथ के आवस्मिक मरम्मति हेतु पथांशों में मिट्टी भराई, खाली सिमेंट बैग में लोकल बालु भरकर, स का फइल, बॉस का चचरी, बॉस का रनर, ह्यूम-पाइप एवं ब्रिक बैट इत्यादि से भरकर बचाव कार्य रते हुए यातायात पुर्नस्थापित किया गया है।।

पथ मरम्मति कार्य का प्राक्कलन वर्तमान अनुसुचित दर एवं सामग्री की दुलाई निकटतम खदान से वधान कर बनाया गया है। दर गणना में संवेदक लाभांश सम्मिलित नहीं है।

प्राक्कलन तकनीकी स्वीकृति हेतु अपेक्षित है।


कनीय अभियंता
ग्रामीण कार्य विभाग


सहायक अभियंता
ग्रामीण कार्य विभाग


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल,

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- <u>Rural works Deptt. - works (Dir.) Dhaka, Subkhana</u>	
Name of Block/Road :- <u>Chirriya</u>	
A. For Road	
Damage Location/Chainage :- <u>At 1.00km Chainage from Start Point</u>	
Damage Length :- <u>0.025km</u>	
Nature of Damage (Length Wise)	(i) Breach :-
	(ii) Crust Damage :- <u>Crust Damage (25mtrs)</u>
	(iii) Only Flank Damage :- <u>Flank Damage 25mtrs</u>
Whether traffic fully/Partially obstructed :- <u>Partially obstructed</u>	
Details of Restoration :-	
1) Material Being Used in Restoration :- <u>Bricks, bds, Rubbish, Local Sand</u>	
2) Equipment/Tools Being Used in Restoration Works :-	
3) Restored Length	In open Area :- <u>open area</u>
	In habitation Area :-
4) 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/Abuttment/ Wing Wall/Approach Road Damage) :- ☒	
5) Details of Restoration :- ☒	
6) Material Being Used in Restoration :- ☒	
7) Equipment/Tools Being Used in Restoration Works :- ☒	
8) Restored Length :- ☒	
Overall Grade of Restoration work (Satisfactory/Unsatisfactory) :-	



29.11.24.

A.E. Ranaul.


Signature of Inspector
(Official Seal)

29.11.24

EE/Dhaka

For copying
29.11.24
EE, RWD, Ranaul.

**मुख्य अभियंता का कार्यालय
ग्रामीण कार्य विभाग।**

पत्रांक-मुख्य-4(10)/विभाग(कार्य)-00-100/2024-1956 पटना, दिनांक-28/12/2024

प्रेषक,

भगवत राम,
अभियंता प्रमुख-सह-आवर
आयुक्त-सह-विशेष सचिव,
ग्रामीण कार्य विभाग।

सेवा में

सभी कार्यपालक अभियंता, कार्य प्रमंडल,
सभी अधीक्षण अभियंता, कार्य अंचल,
सभी मुख्य अभियंता।

विषय :- वर्ष 2024-25 में FDR अंतर्गत मोटरबुल किए जाने वाले पथों के Time Line के संबंध में।

महाराज,

वर्ष 2024-25 में बाढ़ के कारण क्षतिग्रस्त विभागीय पथों के मोटरबुल कार्य के सुचारु रूप से निष्पादन हेतु विभाग द्वारा Time Line निर्धारित किया गया है, जो निम्नवत है :-

1. वर्ष 2024-25 में राज्य में ग्रामीण पथों में बाढ़ से क्षतिग्रस्त भाग में आकस्मिक रूप से मोटरबुल/अस्थायी पुनर्स्थापन कार्य की वास्तविक लम्बाई एवं आकलित राशि MIS के FDR मोड्यूल में प्रारंभिक प्रविष्टि की अंतिम तिथि- 15 Oct.2024।

2. MIS पर प्रारंभिक प्रविष्टि को 16 Oct.2024 को Lock कर दिया जाएगा जिसके बाद कोई भी प्रविष्टि की अनुमति नहीं दी जाएगी।

3. मोटरबुल कार्यों के तकनीकी स्वीकृत प्राक्कलन अपलोड करने की अंतिम तिथि- 7 Nov.2024।

4. उक्त प्राक्कलनों एवं कार्यों की विस्तृत जाँच संबंधित कार्य अंचल अधीन निर्धारित असंबद्ध कार्यपालक अभियंता से 7 Nov.2024 से पूर्व करा ली जाए।

इस संबंध में सभी अधीक्षण अभियंता अपने क्षेत्राधीन कार्य प्रमंडलों के मोटरबुल कार्यों के जाँच हेतु अन्य कार्यपालक अभियंता को ससमय नामित करेंगे। नामित करने में इस बात का ध्यान रखा जाए की कार्यपालक अभियंता परस्पर एक-दूसरे के कार्यों की जाँच नहीं कर पायें।

5. ATR Module में तकनीकी अनुमोदित प्राक्कलन जाँच प्रतिवेदन Geotag Photograph इत्यादि की प्रविष्टि की अंतिम तिथि- 15 Nov.2024।

6. क्षतिग्रस्त पथों का 3 Stage में Geo Tag एवं Time Stamp Drone Videography कराया जाना है।

Stage-I - बाढ़ के समय का Drone Videography, जिससे स्पष्ट हो कि पथ में बाढ़ का पानी आया था।

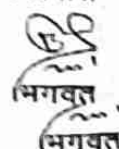
Stage-II - बाढ़ का जलस्तर घटने पर, जिससे पथ में हुए क्षति को स्पष्ट रूप से देखा जा सके।

Stage-III - क्षतिग्रस्त भाग का मरम्मत कार्य पूर्ण हो जाने पर।

उक्त Drone Videography के विभिन्न चरणों के Recording को 24 घंटे के अंदर MIS के FDR Module में Upload किया जाना सुनिश्चित करेंगे। मोटरबुल कार्य पूर्ण पथों (Stage III) का Drone Videography अपलोड करने की अंतिम तिथि 15 Nov. 2024 रहेगी।

अतः अनुरोध है कि उक्त Time Line का दृढ़तापूर्वक अनुपालन सुनिश्चित किया जाय। विशेष परिस्थिति में ही मामले के औचित्य के आधार पर विभागीय सचिव के अनुमोदन के उपरांत उपरोक्त वर्णित तिथि में परिवर्तन किया जायेगा।

विश्वास


भगवत
भगवत



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SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- Rasulpur Se Bela
DISTRICT :- Motihari
BLOCK :- Chiraiya
Actual Length of Road :- 3.578 Km
Flood Affected Length of Road :- 0.025 Km

		Lead=	7.0 Km	+	1.00 Km	
						Amount (In ₹)
Sr. No.	Description					
	Brick bats Total Qty. in m ³ = 1078.125					

[Signature]
Junior Engineer

RWD (W) Division, Shikaharna, Dhaka

[Signature]
Assistant Engineer

RWD (W) Division, Shikaharna, Dhaka

[Signature]
Executive Engineer

RWD (W) Division, Shikaharna, Dhaka

T.A./T.S. is accorded for Rs.....28.04 000.....

(.....x.....crore *twenty eight* lacs *four*.....thousand

.....x.....hundred.....x.....) only

Clear
30/11/04

S.E. (R.W.D.)
works Circle
Motihari

(Signature)
30/11/04
AO

Estimate for Temporary Restoration of Flood affected Road

Name of Road:-	Rasulpur Se Bela
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BLOCK :-	Chiraiya
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District:-	Motihari
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A) SUB HEAD : BRICK BATS

Laying & Distribution of Brick bats on affected Road portion as per specification to meet the required slope and proper light Ramming from a specified lead as per direction of E/I.

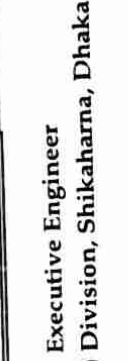
Sl No	Chainage		Unit	Nos.	Length (m)	Width (m)	Height/ Thick. (m)	Qty. (m³)	Rate (In ₹)	Amount (In ₹)
	From	To								
1	At Ch 1.00 Km from start point		Cum	1.00	25.00	3.75	11.50	1078.125	1,901.18	20,49,712.00
			Cum	1.00	0.00	3.75	0.80	0.000	1,901.18	0.00
2			Cum	1.00	0.00	5.00	1.50	0.000	1,901.18	0.00
			Cum	1.00	0.00	5.15	1.20	0.000	1,901.18	0.00
3			Cum	1.00	0.00	4.45	1.00	0.000	1,901.18	0.00
			Cum	1.00	0.00	8.25	1.00	0.000	1,901.18	0.00
4			Cum	1.00	0.00	8.50	2.10	0.000	1,901.18	0.00
			Cum	1.00	0.00	9.75	5.00	0.000	1,901.18	0.00
5			Cum	1.00	0.00	9.75	4.50	0.000	1,901.18	0.00
			Cum	1.00	0.00	8.75	3.80	0.000	1,901.18	0.00
25,000							1078.125			
(A) Gross Amount In ₹ =										20,49,712.00

B) SUB HEAD : Sand filling

Local sand filling

At Ch 1.00Km	M3	20	2.9	6.5	377	458.96	1,73,028.00
(B) Gross Amount In ₹ =							1,73,028.00

[illegible]

 RWD (W) Division, Shikaharna, Dhaka	 Senior Engineer RWD (W) Division, Shikaharna, Dhaka	 Assistant Engineer RWD (W) Division, Shikaharna, Dhaka	 Executive Engineer RWD (W) Division, Shikaharna, Dhaka
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Flood affected Length of the Road:- 3.878 KM.
Actual Length of the Road:- 3.878 KM.

Block :- Chiralya
District:- Motihari

Sl No	Item	Unit	Source	Pucka / Surface	Carriage Cost & Lead in Km	Katcha surface	Loading & Unloading Cost	Carriage Cost by Rail Head	Total
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1	Brick Bats	800 Nos	Local	$\frac{3.60}{2.25} \times 20.39 \times 7.00 \text{ Km} = \text{Rs } 228.37$	$\frac{3.60}{2.25} \times 31.86 \times 1.00 \text{ Km} = \text{Rs } 50.98$		193.52		472.86
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* Subjected to Verification of Lead

Cost of Haulage Excluding Loading & Unloading as per SOR

Type of Road	Per Ton. Km by Tractor
For Surface Road	20.39
Unsurface Gravel Road	25.48
Kachha Road	31.86

[Signature]
16/8/24
Junior Engineer
RWD (W) Division, Shikaharna, Dhaka

[Signature]
16/8/24
Asstt. Engineer
RWD (W) Division, Shikaharna, Dhaka

[Signature]
16/8/24
Executive Engineer
RWD (W) Division, Shikaharna, Dhaka

Analysis of Rate

Sl No.	SOR No.	Description	Unit	Qty	Rate(Rs.)	Amount (Rs.)
Carriage of materials (By Tractor)						
1	1.4 RCD	Cost of Haulage excluding Loading & Unloading				
		Haulage of materials by Tractor excluding cost of loading, unloading and stacking.				
		Unit = t.km				
		Taking output 3.60 Tonne load and lead 10 km = 36.0 t.km				
		Case-I : Surfaced Road				
		Speed with load: 15 km per hour				
		Speed while returning empty: 25 km per hour				
		a) Machinery				
		Tractor 3.6 t capacity				
		Time taken for onwads haulage with load	hour	0.667	688.00	458.90
		Time taken for empty return trip	hour	0.400	688.00	275.20
		Cost for 36.0 t.km				734.10
		Rate per t.km = (a+b)/36.00				20.39
					Say	20.39
		Case-II: Unsurfaced Gravel Road				
		Speed with load: 12 km/hour				
		Speed for empty return trip: 20 km/hour				
		a) Machinery				
		Tractor 3.6 t capacity				
		Time taken for onwads haulage with load	hour	0.833	688.00	573.10
		Time taken for empty return trip	hour	0.500	688.00	344.00
		Cost for 36.0 t.km				917.10
		Rate per t.km = (a+b)/36.00				25.48
					Say	25.48
		Case-III: Katcha Road				
		Speed with load: 10 km/hour				
		Speed for empty return trip: 15 km/hour				
		a) Machinery				
		Tractor 3.6 t capacity				
		Time taken for onwads haulage with load	hour	1.000	688.00	688.00
		Time taken for empty return trip	hour	0.667	688.00	458.90
		Cost for 36.0 t.km				1,146.90
		Rate per t.km = (a+b)/36.00				31.86
					Say	31.86
2	6.6.1. WRD	Labour for laying dry graded jhama khoa or stone filter under Brick Pitching or Boulder pitching in slope or apron including light ramming etc. all complete job as per approved design, specification and direction of E/I				
		Unit = Per Cum				
		Taking output= 2.832 Cum				
		a) Labour				
		Mazdoor (Unskilled)	Nos	3.00	410.00	1,230.00
		Rate for 2.832 Cum				1,230.00
		Rate Per Cum				434.32

SJ No.	SOR No.	Description	Unit	Qty	Rate(Rs.)	Amount (Rs.)
3	1.1	Loading and Unloading of Stone Boulder, Stone aggregate ,Sand, Kankar,Moorum , Brick Bats				
	RCD	Unit = Per Cum				
		Taking output= 2.25 Cum				
		Time required for				
	i)	Positioning of tipper at unloading point	day	1 Min		
	ii)	Loading by front end loader 1 cum bucket capacity	day	2.71Min		
	Total			3.71Min		
	a) Labour					
		Mate	day	0.03	434.00	13.02
		Mazadoor for Loading and unloading	day	0.72	410.00	295.20
	b) Machinery					
		Tractor 3.6 t capacity	Hour	0.06	688.00	41.28
		Front end loader 1 cum bucket capacity	Hour	0.06	1,432.00	85.92
		Cost of 2.25 Cum = (a+b)=				435.42
		Rate per Cum=(a+b+c)/2.25				193.52
	Note:- Unloading will be done Manually.					
4	Supplying of Brick Bats					
	a) Labour					
		Cost of Labour for Pitching and Light Ramming	Cum	1.00	434.32	434.32
	b) Materials					
		Bricks Bats -Basic Rate Taken From RCD S.O.R. Schedule- M:11- dt.-30.01.2024 (For Year 2024-25).	Cum	1	994.00	994.00
	d) Carriage					
		Add:Carriage Charge for Brick bats	Cum	1	472.86	472.86
		Total = (a+b+c+d)=				1,901.18
		Total Cost Per Cum=				1,901.18

Description		Unit	Qty	Rate(Rs.)	Amount (Rs.)
Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row					
Providing and laying reinforced cement concrete pipe NP3 in single row including fixing collar but excluding excavation, protection works, backfilling, concrete and masonry.					
Unit = m					
Taking output = 7.5 m					
(3 pipes of 2.5 m length each)					
(B) 1000 mm dia					
(a) Material					
(i)	RCC Pipe NP-3 Pipe	m	7.50	6,295.58	47,216.85
(b) Labour					
(i)	Mate	day	0.09	434.00	39.06
(i)	Mason 1st Class	day	0.25	550.00	137.50
(i)	Mazadoor Unskilled	day	2.00	410.00	820.00

Cost for 7.5 m Length(a+b)=

48,213.41

Cost per meter Length(a+b)/7.5=

6,428.45

11.2	Local sand filling in trenches, transporting to site, spreading, grading and compacting to meet requirement of table 300.1 and 300.2 with a lead as per technical specification and direction of E.I.				
1	Sand filling				
	unit = cum				
a)	Labour				
	Mate	Day	0.01	410	4.1
	Mazdoor (Unskilled)	Day	0.3	410	123
b)	Local Sand (With carriage)	cum	1	331.86	331.86
	Rate per cum = a+b (Fine sand with carriage)				458.96

**BASIC RATES
(A) Labour**

Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhisti	day	110.00
L-02	Bitumen Sprayer	day	430.00
L-03	Blacksmith	day	550.00
L-04	Blaster	day	676.00
L-05	Carpenter 1st Class	day	550.00
L-06	Chips spreader	day	491.00
L-07	Chiseller	day	634.00
L-08	Dresser (Skilled)	day	519.00
L-09	Driller	day	426.00
L-10	Electrician	day	550.00
L-11	Fitter	day	491.00
L-12	Mason (1st class)	day	550.00
L-13	Mason (2nd Class)	day	491.00
L-14	Mate	day	434.00
L-15	Mazdoor (Unskilled)	day	410.00
L-16	Mazdoor (Semi skilled)	day	426.00
L-17	Mazdoor (Skilled)	day	519.00
L-18	Painter (1st class)	day	520.00
L-19	Plumber	day	550.00
L-20	Surveyor	day	496.00
L-21	White Washer	day	519.00

Schedule: M11

Date:- 30.01.2024

Approved Rate of Bricks & Bricks related materials by the State Level Schedule Rate Committee for the year 2024 - 2025
(for Preparation of Schedule of Rate only) - Materials should conform to relevant BIS/IRC/MORT & II Specifications.
Rates are inclusive of Royalty but Exclusive of all taxes, GST, Contractor's profit and Overhead Charges (Rates are at source)

Sr. No.	Materials	Unit	Approved Rates (Rs)	
			In figure (Rs)	In words
1	2	3	4	5
1	100 A Bricks			
	(i) For urban Patna	Nos/1000	6124.00	Rupees Six Thousand One Hundred Twenty Four and Paise Zero Only
	(ii) For Darbhanga, Bhagalpur, Munger & Muzaffarpur	Nos/1000	5170.00	Rupees Five Thousand One Hundred Seventy and Paise Zero Only
	(iii) For Gaya & Saran	Nos/1000	4891.00	Rupees Four Thousand Eight Hundred Ninety One and Paise Zero Only
	(iv) For Saharsa	Nos/1000	5310.00	Rupees Five Thousand Three Hundred Ten and Paise Zero Only
	(v) For Purnea	Nos/1000	5590.00	Rupees Five Thousand Five Hundred Ninety and Paise Zero Only
	(vi) For rural Patna	Nos/1000	5100.00	Rupees Five Thousand One Hundred and Paise Zero Only
2	100 B Bricks			
	(i) For urban Patna	Nos/1000	5684.00	Rupees Five Thousand Six Hundred Eighty Four and Paise Zero Only
	(ii) For Darbhanga, Bhagalpur, Munger & Muzaffarpur	Nos/1000	4749.00	Rupees Four Thousand Seven Hundred Forty Nine and Paise Zero Only
	(iii) For Gaya & Saran	Nos/1000	4472.00	Rupees Four Thousand Four Hundred Seventy Two and Paise Zero Only
	(iv) For Saharsa	Nos/1000	4891.00	Rupees Four Thousand Eight Hundred Ninety One and Paise Zero Only
	(v) For Purnea	Nos/1000	5170.00	Rupees Five Thousand One Hundred Seventy and Paise Zero Only
	(vi) For rural Patna	Nos/1000	4662.00	Rupees Four Thousand Six Hundred Sixty Two and Paise Zero Only
3	Brick Tiles (300mmx150mmx50mm)			
	(i) For urban Patna and rural Patna	Nos/1000	6124.00	Rupees Six Thousand One Hundred Twenty Four and Paise Zero Only
	(ii) For Saharsa, Bhagalpur, Darbhanga & Muzaffarpur	Nos/1000	6149.00	Rupees Six Thousand One Hundred Forty Nine and Paise Zero Only
	(iii) For Purnea	Nos/1000	6430.00	Rupees Six Thousand Four Hundred Thirty and Paise Zero Only
	(iv) For other places	Nos/1000	5869.00	Rupees Five Thousand Eight Hundred Sixty Nine and Paise Zero Only
4	Picket Jhama Bricks			
	(i) For urban Patna	Nos/1000	5248.00	Rupees Five Thousand Two Hundred Forty Eight and Paise Zero Only
	(ii) For Darbhanga, Bhagalpur, Munger & Muzaffarpur	Nos/1000	4332.00	Rupees Four Thousand Three Hundred Thirty Two and Paise Zero Only
	(iii) For Gaya & Saran	Nos/1000	4047.00	Rupees Four Thousand Forty Seven and Paise Zero Only
	(iv) For Purnea	Nos/1000	4749.00	Rupees Four Thousand Seven Hundred Forty Nine and Paise Zero Only
	(v) For Saharsa	Nos/1000	4472.00	Rupees Four Thousand Four Hundred Seventy Two and Paise Zero Only
	(vi) For rural Patna	Nos/1000	4234.00	Rupees Four Thousand Two Hundred Thirty Four and Paise Zero Only
5	Brick Bats			
	(i) For urban Patna	Per m ³	1084.00	Rupees One Thousand Eighty Four and Paise Zero Only
	(ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga	Per m ³	1041.00	Rupees One Thousand Forty One and Paise Zero Only
	(iii) For other places	Per m ³	994.00	Rupees Nine Hundred Ninety Four and Paise Zero Only
	(iv) For rural Patna	Per m ³	1040.00	Rupees One Thousand Forty and Paise Zero Only
6	Jhama Metals			
	(a) 63 mm to 40 mm size			
	(i) For urban Patna	Per m ³	1287.00	Rupees One Thousand Two Hundred Eighty Seven and Paise Zero Only
	(ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga	Per m ³	1232.00	Rupees One Thousand Two Hundred Thirty Two and Paise Zero Only
	(iii) For other places	Per m ³	1207.00	Rupees One Thousand Two Hundred Seven and Paise Zero Only
	(iv) For rural Patna	Per m ³	1257.00	Rupees One Thousand Two Hundred Fifty Seven and Paise Zero Only
	(b) 40 mm to 20 mm size			
	(i) For urban Patna	Per m ³	1432.00	Rupees One Thousand Four Hundred Thirty Two and Paise Zero Only
	(ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga	Per m ³	1372.00	Rupees One Thousand Three Hundred Seventy Two and Paise Zero Only
	(iii) For other places	Per m ³	1333.00	Rupees One Thousand Three Hundred Thirty Three and Paise Zero Only
	(iv) For rural Patna	Per m ³	1389.00	Rupees One Thousand Three Hundred Eighty Nine and Paise Zero Only
	(c) 20 mm and down			
	(i) For urban Patna	Per m ³	1638.00	Rupees One Thousand Six Hundred Thirty Eight and Paise Zero Only

BASIC RATES
(C) USAGE RATES OF PLANT & MACHINERY

Sr. No.	Description of		Output of Machine		Usage Rates in Rs.	
	Machine	Activity	Unit	Output	Unit	Rate
PM-011	Front end-loader 1 cum bucket capacity @ 45 cum/hour	Loading Aggregates	cum/h	45.00	per hour	1 432.00
		Loading Soil	cum/h	100.00		1,432.00
PM-018	Motor Grader	Scarifier & levelling	cum/h	200.00	per hour	2,697.00
	Tractor Mounted Grader			50.00		570.00
PM-019	Needle vibrator	Vibrating cement concrete mix	cum/h	3.50	per hour	76.35
PM-020	Paver finisher	Laying/spreading	t/h	75.00	per hour	1,390.00
PM-021	Plate compactor	Compaction	cum/h		per hour	467.00
PM-022	Plate vibrator	Compaction	cum/h		per hour	467.00
PM-023	Screed vibrator	Compaction	cum/h		per hour	102.64
PM-024	Smooth wheeled 80-100 kN tandem roller	Compaction of Sub-base/ Asphalt	cum/h	30.00	per hour	1,722.00
PM-025	Stone crusher (Integrated) of 200 TPH	Crushing of Spalls	t/h	200.00	per hour	27,425.00
PM-026	Three wheel 80-100 kN Static Roller	Compaction/ Rolling				781.00
		Earth:- Embankment or sub-grade	cum/h	80/70	per hour	781.00
		Sub-base G-I	cum/h	10.00		781.00
		Sub-base G-II/G-III	cum/h	8.00		781.00
		WMM	cum/h	16.00		781.00
PM-027	Tipper 5.5 cum/10 t	Carriage	cum/trip	5.50	per hour	1,043.00
PM-028	Tractor with Disc Harrows	Pulverisation of soil	cum/h	80.00	per hour	549.10
PM-029	Tractor with ripper @ 60 cum per hour	Ripping Pavements, uprooting trees	cum/h	60.00	per hour	591.40
PM-030	Tractor with trolley/with Grading equipment	Transportation of materials	t/trip	3 to 5	per hour	688.00
PM-031	Tractor with Rotavator	Scarifier	cum/h	25.00	per hour	570.00

Seigniorage Fee Calculation

Name of Road:- Rasulpur Se Bela									
Block:- Chiraiya			District:-					Motihari	
Sr. no.	Description			Unit	Qty.	Rate	Amount in Rs.	Total Material Qty. Required (Cum)	Total Amount
1	Bricks Bats -Basic Rate Taken From RCD S.O.R. Schedule- M:11 dt.-30.01.2024 (For Year 2024-25).			Cum	1	994.00	994.00	1078.125	1071656.25
					1	145.87	145.87	377	54992.99
				Total					112665.00


 Junior Engineer
 RWD (W) Division, Shikaharna, Dhaka


 Assistant Engineer
 RWD (W) Division, Shikaharna, Dhaka


 Executive Engineer
 RWD (W) Division, Shikaharna, Dhaka



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lon: 76.74±10 m
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