



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

2021-22

FLOOD DAMAGED REPORT



Repair of Road MDR to Harshankarpur

DISTRICT	:-	Samastipur	
DIVISION	:-	Dalsingh Sarai	
BLOCK	:-	Dalsinghsarai	
TOTAL LENGTH OF ROAD	:-	0.168	KM
TOTAL COST OF PROJECT	:-	7.56	Lac

Site Photograph

ame of Road:-MDR to Harishakarpur

Block-dalsinghsarai



Shinta
01/11/21
3/8

SUMMARY OF COST ESTIMAT FOR THE PROJECT

NAME OF ROAD :- Repair of Road MDR to Harshankarpur .

DISTRICT

SAMASTIPUR

BLOCK

Dalsinghsarai

S.NO	DESCRIPTION	AMOUNT LAKH
1	BRICK BAT	668946.000
	SUB TOTAL:-	668946.000
	Cost Less 12% GST on Total Amount:-	80273.520
	SUB TOTAL:-	6689.460
	Total Cost (including GST and Labour Cess	755909.000

Add 10% Seng more for
Material cost
T.M. 2021

38548.00
Total - Rs 7,94,457 = 00

Spinda
01/11/21

Junior Engineer

Assistant Engineer

Executive Engineer

D (W) Section, Dalsinghsarai

RWD (W) Sub Division, Dalsinghsarai

RWD, Works Division, Dalsinghsarai

FDR
YEAR (2021-2022)
GENERAL ABSTRACT OF COST

BLOCK :- ALSINGHSARAI

DISTRICT :- SAMASTIPUR

NAME OF ROAD :- Repair of Road MDR to Harshankarpur

NO	ITEM OF WORK						AMOUNT	
A								
	TOTAL COST OF CONSTRUCTION							
						:-	Rs.	755909
						SUB TOTAL	:-	Rs. 755909

Asinla
01/11/21
Junior Engineer

WD (W) Section, Dalsinghsarai

[Signature]
11/11/21
Assistant Engineer
RWD (W) Sub Division,
Dalsinghsarai

Executive Engineer
RWD, Works Division,
Dalsinghsarai

Cost Estimate for Road Work

FORMAT-6

SL.NO	SDB SL.NO	MORD Ref. No	Description	Unit						Quantity	Rate	Amount
2			BrickBats									
			Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L									
				cum	1.00	14.00	6.000	0.300		25.20		
				cum	1.00	15.00	5.500	0.600		49.50		
				cum	1.00	15.00	5.000	0.750		56.25		
				cum	1.00	15.00	4.500	0.900		60.75		
				cum	1.00	15.00	4.350	0.900		58.73		
				cum	1.00	14.00	4.050	0.900		51.03		
				cum	1.00	15.00	4.050	0.300		18.23		
				cum	1.00	15.00	4.050	0.150		9.11		
				cum	1.00	15.00	4.050	0.250		15.19		
				cum	1.00	6.00	1.050	0.100		0.63		
				cum	1.00	4.00	2.000	0.150		1.20		
				cum	1.00	8.00	2.000	0.150		2.40		
				cum	1.00	10.00	3.750	0.100		3.75		
				cum	1.00	4.00	1.050	0.100		0.42		
				cum	1.00	3.00	1.000	0.100		0.30		
										352.68	1896.75	668946
										SUB TOTAL=		668946.00
										TOTAL COST OF WORK IN RS		668946.00

Abinda
01/11/21

Junior Engineer

RWD (W) Section, Dalsinghsarai

16/11/21

Assistant Engineer

RWD (W) Sub Division, Dalsinghsarai

Executive Engineer

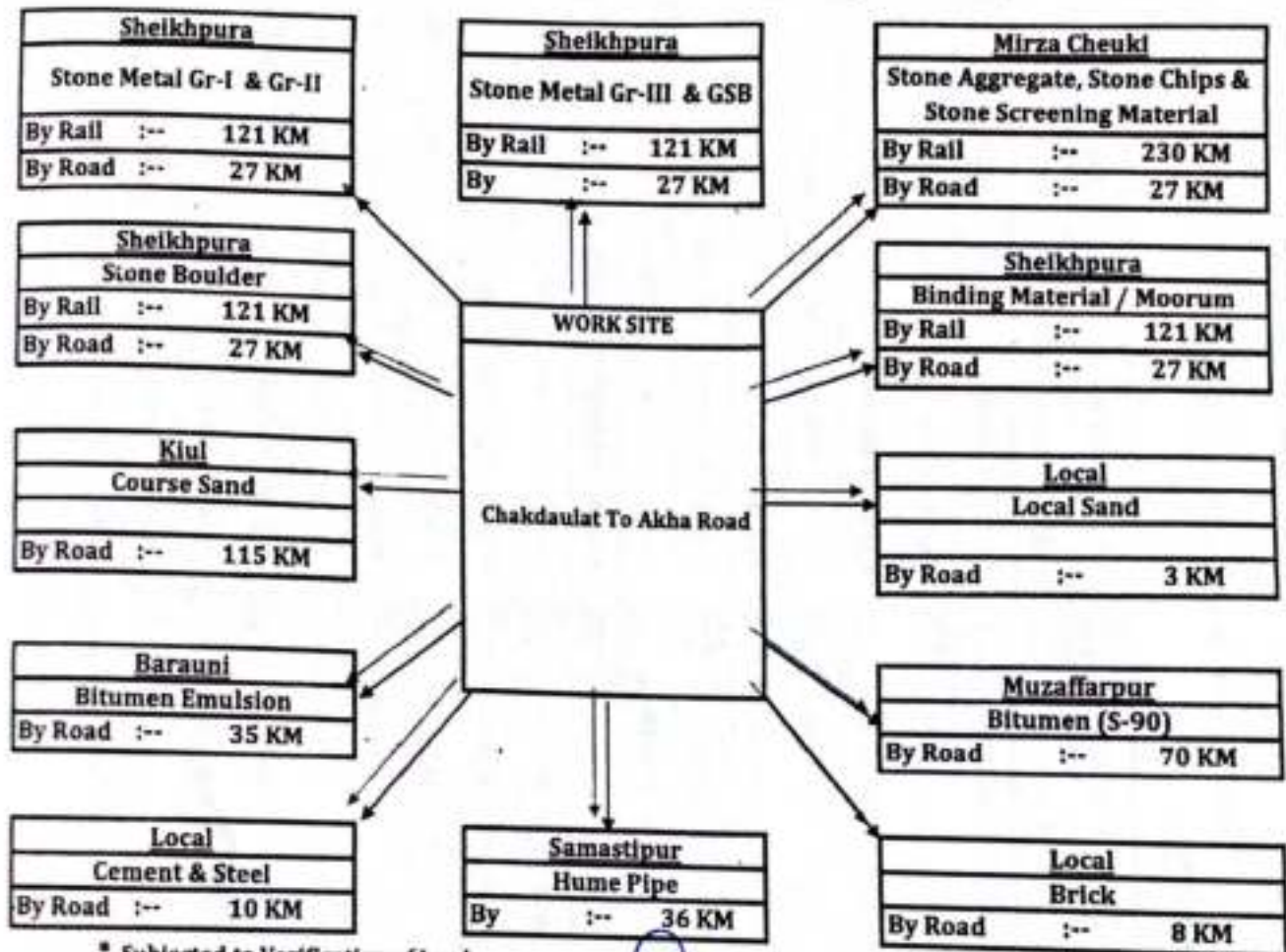
RWD, Works Division, Dalsinghsarai

Figure -3

Quarry Map

Name of Road :-- Repair of Road MDR to Harshankarpur
 Block :-- Dalsinghsarai
 District :-- Samastipur

Length of the Road:- 0.168 KM



* Subjected to Verification of Lead

Asinda
09/11/21
J.E

U. S. D. 17/11/2021
A.E.

E.E

S.E.

Sl No	Item with Source	Unit	Source Up to	Pucka / Surface	Katcha	Loading & Unloading Cost	Carriage Cost by Road	Total ₹	Total ₹ Minimum
1	Stone Metal Gr-I & Gr-II (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00 x 10.10 x 10.00 Km = Rs 660.93	8.00 x 24.30 x 0.00 Km = Rs 0.00	105.12	1025.87	Rs. 1799.92	Rs. 1799.92
	Stone Metal Gr-I & Gr-II	Cum	Sheikhpura	4.59 x 7.94 x 137.00 Km = Rs 1895.91	4.59 x 19.22 x 0.00 Km = Rs 0.00	210.19		Rs. 2106.10	
2	Stone Metal Gr-III (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00 x 10.10 x 10.00 Km = Rs 615.31	8.00 x 24.30 x 0.00 Km = Rs 0.00	105.12	1128.34	Rs. 1848.77	Rs. 1848.77
	Stone Metal Gr-III	Cum	Sheikhpura	4.99 x 7.94 x 137.00 Km = Rs 1743.94	4.99 x 19.22 x 0.00 Km = Rs 0.00	210.19	1128.34	Rs. 3082.47	
3	Stone Aggregate / Chips (Mirza Chowki by Rail 230 Km)	Cum	Sheikhpura	8.00 x 10.10 x 38.00 Km = Rs 615.31	8.00 x 24.30 x 0.00 Km = Rs 0.00	105.12	1588.15	Rs. 2308.58	Rs. 2308.58
	Stone Aggregate / Chips	Cum	Sheikhpura	4.99 x 7.94 x 137.00 Km = Rs 1743.94	4.99 x 19.22 x 0.00 Km = Rs 0.00	210.19	1588.15	Rs. 3542.28	
4	Stone Boulder (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00 x 10.10 x 38.00 Km = Rs 639.67	8.00 x 24.30 x 0.00 Km = Rs 0.00	105.12	1159.81	Rs. 1904.60	Rs. 1904.60
	Stone Boulder	Cum	Sheikhpura	4.80 x 7.94 x 137.00 Km = Rs 1812.97	4.80 x 19.22 x 0.00 Km = Rs 0.00	210.19	1159.81	Rs. 2182.97	
5	Course Sand	Cum	Khet	8.00 x 7.94 x 208.00 Km = Rs 2647.73	8.00 x 19.22 x 0.00 Km = Rs 0.00	113.67		Rs. 2761.40	Rs. 2761.40
	Course Sand	Cum	Khet	4.99 x 7.94 x 208.00 Km = Rs 2647.73	4.99 x 19.22 x 0.00 Km = Rs 0.00	113.67		Rs. 2761.40	
6	Binding Material/Moorum (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00 x 10.10 x 38.00 Km = Rs 511.73	8.00 x 24.30 x 0.00 Km = Rs 0.00	113.67	851.49	Rs. 1476.89	Rs. 1476.89
	Binding Material/Moorum	Cum	Sheikhpura	6.00 x 7.94 x 137.00 Km = Rs 1450.37	6.00 x 19.22 x 0.00 Km = Rs 0.00	66.31	851.49	Rs. 2368.17	
7	Local Sand	Cum	Local	8.00 x 10.10 x 2.00 Km = Rs 32.38	8.00 x 24.30 x 1.00 Km = Rs 38.96	113.67		Rs. 185.01	Rs. 185.01
	Local Sand	Cum	Local	4.99 x 7.94 x 2.00 Km = Rs 32.38	4.99 x 19.22 x 1.00 Km = Rs 38.96	113.67		Rs. 185.01	
8	Brick	1000 Nos	Local	8.00 x 7.94 x 7.00 Km = Rs 222.32	8.00 x 19.22 x 1.00 Km = Rs 76.88	477.44		Rs. 776.64	Rs. 776.64
	Brick	1000 Nos	Local	2.00 x 7.94 x 7.00 Km = Rs 222.32	2.00 x 19.22 x 1.00 Km = Rs 76.88	477.44		Rs. 776.64	
9	Cement	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00 x 19.22 x 0.00 Km = Rs 0.00	347.32		Rs. 426.72	Rs. 426.72
	Cement	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00 x 19.22 x 0.00 Km = Rs 0.00	347.32		Rs. 426.72	
10	Steel	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00 x 19.22 x 0.00 Km = Rs 0.00	370.58		Rs. 449.98	Rs. 449.98
	Steel	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00 x 19.22 x 0.00 Km = Rs 0.00	370.58		Rs. 449.98	
11	Bitumen Emulsion	MT	Barasuni	8.00 x 7.94 x 82.00 Km = Rs 651.08	8.00 x 19.22 x 0.00 Km = Rs 0.00	396.98		Rs. 1048.06	Rs. 1048.06
	Bitumen Emulsion	MT	Barasuni	8.00 x 7.94 x 82.00 Km = Rs 651.08	8.00 x 19.22 x 0.00 Km = Rs 0.00	396.98		Rs. 1048.06	
12	Bitumen	MT	Muzaffarpur	8.00 x 7.94 x 91.00 Km = Rs 722.54	8.00 x 19.22 x 0.00 Km = Rs 0.00	396.98		Rs. 1119.52	Rs. 1119.52
	Bitumen	MT	Muzaffarpur	8.00 x 7.94 x 91.00 Km = Rs 722.54	8.00 x 19.22 x 0.00 Km = Rs 0.00	396.98		Rs. 1119.52	
13	Hume Pipe (1000 mm)	m	Samastipur	8.00 x 7.94 x 36.00 Km = Rs 228.67	8.00 x 19.22 x 0.00 Km = Rs 0.00	70.84		Rs. 299.51	Rs. 299.51
	Hume Pipe (1000 mm)	m	Samastipur	10.00 x 7.94 x 36.00 Km = Rs 228.67	10.00 x 19.22 x 0.00 Km = Rs 0.00	70.84		Rs. 299.51	
14	Hume Pipe (600 mm)	m	Samastipur	8.00 x 7.94 x 36.00 Km = Rs 91.47	8.00 x 19.22 x 0.00 Km = Rs 0.00	30.36		Rs. 121.83	Rs. 121.83
	Hume Pipe (600 mm)	m	Samastipur	25.00 x 7.94 x 36.00 Km = Rs 91.47	25.00 x 19.22 x 0.00 Km = Rs 0.00	30.36		Rs. 121.83	
15	Hume Pipe (300 mm)	m	Samastipur	8.00 x 7.94 x 36.00 Km = Rs 38.11	8.00 x 19.22 x 0.00 Km = Rs 0.00	30.36		Rs. 68.47	Rs. 68.47
	Hume Pipe (300 mm)	m	Samastipur	60.00 x 7.94 x 36.00 Km = Rs 38.11	60.00 x 19.22 x 0.00 Km = Rs 0.00	30.36		Rs. 68.47	

FORM FB

* Subjected to Verification of Lead

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P.W.D.

AE
P.W.D.

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Cost of Haulage Excluding Loading & Unloading as per MCH as

Type of Road	₹ Per Ton. Km by Tipper	₹ Per Ton. Km by Truck
For Surface Road	10.10	9.55
Unsurface Gravel Road	12.10	10.22
Kachha Road	24.30	

Analysis for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Material -Stone Metal Gr-I & Gr-II

Quarry Site to Sheikhpura Railway Yard (By Road)

Pucka / Surface		Carriage Cost & Lead in Km		Katcha		Loading & Unloading		Total
10.00	x 10.10 x 4.00 Km = Rs 70.41	+	$\frac{8.00}{4.59}$	x 24.30	x 0.00 Km = Rs 0.00	+	Rs 105.12	= Rs 175.53
UnSurface			$\frac{8.00}{4.59}$	x 12.10	x 1.00 Km			
Loading & Unloading Cost by manual								Rs 21.09
							Rs 210.19	= Rs 210.19
							Total	= Rs 406.81
For O.H. & C.P.								Rs 406.81

Sheikhpura Railway Yard to Karpurigram

Railway Yard = 121.00 Km

Railway freight charge from Sheikhpura Railway station to Karpurigram Railway station

= For 1 MT 121.00 Km = Rs 231.30 = Rs 231.30

Busy Season charge 15% of Railway freight charge

= For 1 MT = 15% = Rs 34.70

Railway Development Charge to 5% of Railway freight Charge

For 1 MT = 5% = Rs 11.57

Terminal charge @Rs.40.00 per Terminal per MT

For 1 MT x Rs 40.00 = Rs 0.00

GST 0 % (4% included in Overhead Charges) = Rs 277.57 x 0%

= Rs 0.00

Total

Rail Freight = 1.743 x Rs 277.57 = For 1 MT = Rs 277.57

For 1 MT = Rs 483.80

Add 12% Overhead Charge = 12% = Rs 99.92

Add 10% Contractor Profit = 10% = Rs 93.26

Carriage Cost from Quarry to Karpurigram Railway Yard

Analysis for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Material -Stone Metal Gr-III / GSB

Quarry Site to Sheikhpura Railway Yard (By Road)

Pucka / Surface		Carriage Cost & Lead in Km		Katcha		Loading & Unloading		Total
10.00	x 10.10 x 4.00 Km = Rs 64.77	+	$\frac{8.00}{4.99}$	x 24.30	x 0.00 Km = Rs 0.00	+	Rs 105.12	= Rs 169.89
UnSurface			$\frac{8.00}{4.99}$	x 12.10	x 1.00 Km			
Loading & Unloading Cost by manual								Rs 19.40
							Rs 210.19	= Rs 210.19
							Total	= Rs 399.48
For O.H. & C.P.								Rs 399.48

Analysis for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Material - Stone Boulder

Quarry Site to Sheikhpura Railway Yard (By Road)

Peckha / Surface	Carriage Cost & Lead in Km	Martha	Leading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 67.33	8.00 x 24.30 x 0.01 Km = Rs 0.00	24.30	Rs 120.12	Rs 172.45
Under Surface	8.00 x 12.10 x 1.00 Km = Rs 9.68	12.10		Rs 20.10
Leading & Unloading Cost by manual				Rs 20.10
Total				Rs 402.65

Sheikhpura Railway Yard to Karpurigram

Peckha / Surface	Carriage Cost & Lead in Km	Martha	Leading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 67.33	8.00 x 24.30 x 0.01 Km = Rs 0.00	24.30	Rs 120.12	Rs 172.45
Under Surface	8.00 x 12.10 x 1.00 Km = Rs 9.68	12.10		Rs 20.10
Leading & Unloading Cost by manual				Rs 20.10
Total				Rs 402.65

Analysis for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Binding Material / Msonrum

Quarry Site to Sheikhpura Railway Yard (By Road)

Peckha / Surface	Carriage Cost & Lead in Km	Martha	Leading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 67.33	8.00 x 24.30 x 0.01 Km = Rs 0.00	24.30	Rs 120.12	Rs 172.45
Under Surface	8.00 x 12.10 x 1.00 Km = Rs 9.68	12.10		Rs 20.10
Leading & Unloading Cost by manual				Rs 20.10
Total				Rs 402.65

Total

Rs 402.65

Rs 402.65

Rs 402.65

Rs 402.65

Rs 402.65

Rs 402.65

Analysis for Carriage Through Railway from Quarry Site to Work Site

Mirza Chowki to Karpurigram

Material - Stone Aggregate / Chips

Quarry Site to Mirza Chowki Railway Yard (By Road)

Peckha / Surface	Carriage Cost & Lead in Km	Martha	Leading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 64.77	8.00 x 24.30 x 0.01 Km = Rs 0.00	24.30	Rs 105.12	Rs 174.87
Under Surface	8.00 x 12.10 x 1.00 Km = Rs 9.68	12.10		Rs 20.10
Leading & Unloading Cost by manual				Rs 20.10
Total				Rs 402.65

Mirza Chowki Railway Yard to Karpurigram

Peckha / Surface	Carriage Cost & Lead in Km	Martha	Leading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 64.77	8.00 x 24.30 x 0.01 Km = Rs 0.00	24.30	Rs 105.12	Rs 174.87
Under Surface	8.00 x 12.10 x 1.00 Km = Rs 9.68	12.10		Rs 20.10
Leading & Unloading Cost by manual				Rs 20.10
Total				Rs 402.65

Add 12% Overhead Charge

Add 10% Contractor Profit

Total

Rs 402.65

Rs 402.65

Rs 402.65

Rs 402.65

Rs 402.65

Rs 402.65

Analysis of Rates (FORMAT PB)

Sl. No.	Item No.	Description	Unit	Quantity	Rate
5	L.10	Unit = 1 km Taking output 10 t load and load 10 km = 100 km Case-I: Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% Contractor's profit @ 10% on (a+b) Cost for 100 t km = a+b+c Rate per cum = (a+b+c) / 100	hour	0.40	934.30
			hour	0.25	934.30
6	L.10	Unit = 1 km Taking output 10 t load and load 10 km = 100 km Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% Contractor's profit @ 10% on (a+b) Cost for 100 t km = a+b+c Rate per cum = (a+b+c) / 100	hour	0.50	934.30
			hour	0.33	934.30
7	L.10	Unit = 1 km Taking output 10 t load and load 10 km = 100 km Case-III: Machine Truck and Truck in River Bed/Nullah Bed and Chowk Bed. Speed with load: 10 km per hour Speed while returning empty: 15 km per hour Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% Contractor's profit @ 10% on (a+b) Cost for 100 t km = a+b+c Rate per cum = (a+b+c) / 100	hour	1.00	934.30
			hour	0.67	934.30
8	L.10	Unit = 1 km Taking output 10 t load and load 10 km = 100 km Case-IV: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% Contractor's profit @ 10% on (a+b) Cost for 100 t km = a+b+c Rate per cum = (a+b+c) / 100	hour	1.00	934.30
			hour	0.67	934.30
9	L.10	Unit = 1 km Taking output 10 t load and load 10 km = 100 km Case-V: Machine Truck and Truck in River Bed/Nullah Bed and Chowk Bed. Speed with load: 10 km per hour Speed while returning empty: 15 km per hour Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% Contractor's profit @ 10% on (a+b) Cost for 100 t km = a+b+c Rate per cum = (a+b+c) / 100	hour	1.00	934.30
			hour	0.67	934.30

Analysis of Rates (FORMAT PB)

Analysis of Rates (FORMAT F8)

Sl. No.	Item No.	Description	Unit	Quantity	Rate
9	L.10	(1) Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by mechanical means including a load upto 30 m Unit = cum Taking output = 5.5 cum Rate per cum = (a+b+c+d)/5.5	(a) Contractor's profit @ 10% on (a-b-c) Cost for 5.5 cum = a-b-c Rate per cum = (a-b-c)/5.5	95.50 1051.34 193.14	
			(b) Machine (Unskilled) Labourer Machine for loading and unloading Tipper 5.5 tonne capacity Overheads @ 12% Contractor's profit @ 10% on (a-b-c) Cost for 5.5 cum = a-b-c-d Rate per cum = (a-b-c-d)/5.5	day day hour 	

S.No.	Sl. No.	DESCRIPTION	UNIT	QTY	ESTIMATED COST	REMARKS
13	(iv)	Unloading of Earth, Sand, Mortar, Manure, Flyash by manual means including a lead upto 30 m. Unit = cum Taking output = 5.5 cum Labour Mazdoor (Unskilled) Machinery Truck Overheads @ 12% Contractor's profit @ 10% on (a+b+c) Cost for 5.5 cum = a+b+c+d Rate per cum = (a+b+c+d)/5.5	cum	70.06	47.01	Total Loading & Unloading of Cement by Manual Means
14	(i)	Loading of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos. Labour Mazdoor (Unskilled) Machinery Truck Overheads @ 12% Contractor's profit @ 10% on (a+b+c) Cost for 2000 Nos. = a+b+c+d Rate for 1000 bricks = (a+b+c+d)/2	Nos.	2000	321.00	Total Loading & Unloading of Bricks by Manual Means
15	(ii)	Unloading and Stacking of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos. Labour Mazdoor (Unskilled) Machinery Truck Overheads @ 12% Contractor's profit @ 10% on (a+b+c) Cost for 2000 Nos. = a+b+c+d Rate for 1000 bricks = (a+b+c+d)/2	Nos.	2000	321.00	Total Loading & Unloading of Bricks by Manual Means
16	(iii)	Loading and Unloading of Cement by Manual Means Unit = t Taking output = 10 t Labour Mazdoor (Unskilled) Machinery Truck Overheads @ 12% Contractor's profit @ 10% on (a+b+c) Cost for 10 t = a+b+c+d Rate per tonne = (a+b+c+d)/10	t	10	321.00	Total Loading & Unloading of Cement by Manual Means

Sl. No.	Particulars	Unit	Quantity	Rate	Total
21	Unloading of Bitumen Drums by Manual Means including a lead upto 30 m	Unit = 1			
a)	Labour	day	0.05	321.00	
b)	Mate	day	1.20	304.00	
c)	Machineries (Unskilled)	hour	1.25	934.30	
d)	Overheads @ 12%				
e)	Contractor's profit @ 10% on (a+b+c)				
f)	Cost for 10 t = a+b+c+d				
g)	Rate per t = (a+b+c+d)/10				
h)	Note: The rate is inclusive of the self weight of drum				
22	Leading & Unloading of Bitumen Drums	Unit = 1			
a)	Labour	day	0.02	321.00	
b)	Mate	day	0.50	304.00	
c)	Machineries (Unskilled)	hour	0.33	934.30	
d)	Overheads @ 12%				
e)	Contractor's profit @ 10% on (a+b+c)				
f)	Cost for 9 pipes = a+b+c+d				
g)	Rate per pipe = (a+b+c+d)/9				
23	Leading & Unloading of RCC Hume Pipes	Unit = 1			
a)	Labour	day	0.02	321.00	
b)	Mate	day	0.50	304.00	
c)	Machineries (Unskilled)	hour	0.33	934.30	
d)	Overheads @ 12%				
e)	Contractor's profit @ 10% on (a+b+c)				
f)	Cost for 9 pipes = a+b+c+d				
g)	Rate per pipe = (a+b+c+d)/9				
24	Leading & Unloading of RCC Hume Pipes by Mechanical Means including a lead upto 30 m	Unit = 1			
a)	Labour	day	0.02	321.00	
b)	Mate	day	0.50	304.00	
c)	Machineries (Unskilled)	hour	0.33	934.30	
d)	Overheads @ 12%				
e)	Contractor's profit @ 10% on (a+b+c)				
f)	Cost for 9 pipes = a+b+c+d				
g)	Rate per pipe = (a+b+c+d)/9				

Analysis of Rates (FORMAT F8)

Sl. No.	Sub. No.	WORD	DESCRIPTION	Unit	Quantity	Rate
27	5.7.6		Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete specification and direction of E/L.			
			Unit = Per M Taking Out put = 10 Joint (Assuming 10 Joints)			
		a)	Materials			
			Nut And Bolts 16 mm Dia 225mm Long With Washer etc.	nos	20.00	32.88
		b)	Laber			
			Carpenter Gril	nos	0.50	408.00
			Unskilled Mazdoor	nos	0.25	304.00
		c)	Overheads @ 12%			
		d)	Contractor's profit @ 10% on (a+b+c+d)			
		e)	Rate Per cum = (a+b+c+d)/10	Per M		
			Total Cost	Per M		
28	5.7.7		Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete specification and direction of E/L.			
			Unit = Per M Taking Out put = 30.50 M (Assuming 20 nos, Pile Sunk 1.525 Mtr Deep)			
		b)	Laber			
			Carpenter Gril			
			Unskilled Mazdoor	nos	0.25	408.00
		c)	Overheads @ 12%	nos	2.50	304.00
		d)	Contractor's profit @ 10% on (a+b+c+d)			
		e)	Rate Per cum = (a+b+c+d)/30.5	Per M		
			Total Cost	Per M		
29	5.7.8		Labour for fitting and fixing split bamboo woven chachari inn position with 20 swg G.I. wire or 75 mm to 100 mm dia nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/L.			
			Unit = Per M Taking Out put = 9.30 M (Assuming 20 nos, Pile Sunk 1.525 Mtr Deep)			
		a)	Materials			
			75 mm To 100 mm Lon Nails			
		b)	Laber			
			Carpenter Gril	Kg	0.25	61.74
			Unskilled Mazdoor	nos	1.00	408.00
		c)	Overheads @ 12%	nos	1.00	304.00
		d)	Contractor's profit @ 10% on (a+b+c+d)			
		e)	Rate Per cum = (a+b+c+d)/9.30	Per M		
			Total Cost	Per M		
30	5.7.9		Labour for fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with nails or 38 swg G.I wire including cost of G.I wire or nails complete job as per specification and direction of E/L.			
			Unit = Per M Taking Out put = 30.50 M			
		a)	Materials			
			75mm To 100 mm Lon Nails			
		b)	Laber			
			Carpenter Gril	Kg	0.25	61.74
			Unskilled Mazdoor	nos	0.125	408.00
		c)	Overheads @ 12%	nos	0.250	304.00
		d)	Contractor's profit @ 10% on (a+b+c+d)			
		e)	Rate Per cum = (a+b+c+d)/30.5	Per M		
			Total Cost	Per M		