



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

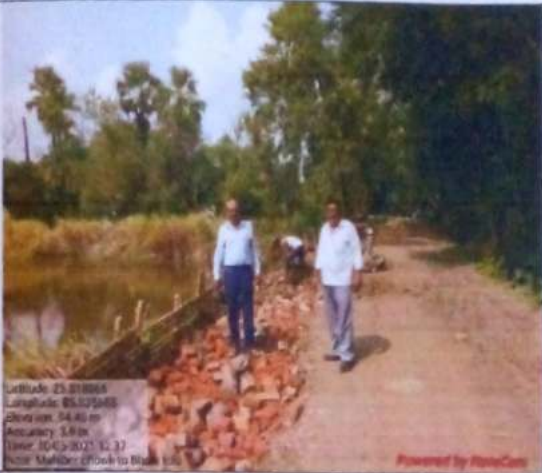
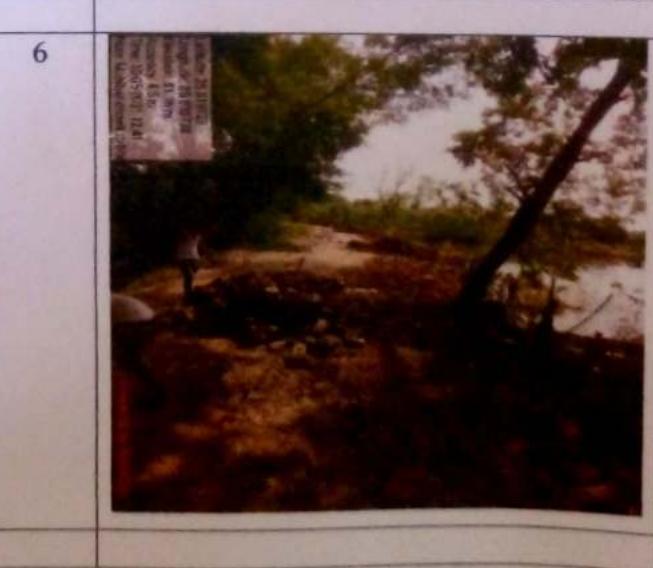
2021-22

FLOOD DAMAGED REPORT



Rosera Samastipur Path To Mahaveer Mandir Ke Nikat Se Baijnathpur Bhola Ray Tola Tak

DISTRICT	:-	Samastipur	
DIVISION	:-	Dalsingh Sarai	
BLOCK	:-	Ujiarpur	
TOTAL LENGTH OF ROAD	:-	2.558	KM
TOTAL COST OF SURFACE RENEUAL	:-	8.940	Lac
TOTAL COST OF PROJECT	:-	8.940	Lac

2.3	Site Photographs	
	NAME OF ROAD :- Mahavir Chowk Se Bhola Tole	
	BLOCK :- Ujiyarpur	DISTRICT : Samastipur
1	 Latitude: 25.818864 Longitude: 85.825985 Elevation: 54.40 m Accuracy: 5.8 m Time: 10-05-2021 12:37 Note: Mahavir Chowk to Bhola Tole	 Latitude: 25.819007 Longitude: 85.825982 Elevation: 54.25 m Accuracy: 5.8 m Time: 10-05-2021 12:38 Note: Mahavir Chowk to Bhola Tole
3	 Latitude: 25.817778 Longitude: 85.825485 Elevation: 54.36 m Accuracy: 7.00 m Time: 10-05-2021 12:34 Note: Mahavir Chowk to Bhola Tole	 Latitude: 25.819604 Longitude: 85.825484 Elevation: 54.40 m Accuracy: 17.8 m Time: 10-05-2021 12:37 Note: Mahavir Chowk to Bhola Tole
5	 Latitude: 25.819102 Longitude: 85.825971 Elevation: 55.00 m Accuracy: 6.5 m Time: 10-05-2021 12:38 Note: Mahavir Chowk to Bhola Tole	 Latitude: 25.819102 Longitude: 85.825971 Elevation: 55.00 m Accuracy: 6.5 m Time: 10-05-2021 12:38 Note: Mahavir Chowk to Bhola Tole

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FLOOD DAMAGED REPORT

GENERAL ABSTRACT OF COST

Block:--

Ujiarpur

District:- Samastipur

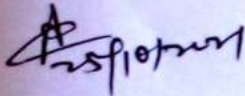
Length of Road:--

2.558 KM

Name of Road:--

Rosera Samastipur Path To Mahaveer Mandir Ke Nikat Se Baijnathpur Bhola
Ray Tola Tak

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION :	8.940 Lacs
	TOTAL :	10.900 Lacs



Junior Engineer



Asstt. Engineer

Executive Engineer

SE
RWD

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD : Rosera Samastipur Path To Mahaveer Mandir Ke Nikat Se Baijnathpur Bhola Ray Tola Tak
DISTRICT Samastipur
BLOCK Ujiarpur
DIVISION Dalsingh Sarai
LENGTH OF ROAD (in Km) 2.558

Sl. No.	DESCRIPTION	Amount	1 % Labour Cess	12 % GST	1% Labour Cess & 12% GST AMOUNT (LAKHS)
PART-A	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL				
1	Brick Bats	7.008	0.070	0.841	7.919
2	Supply For Bamboo	0.450	0.005	0.054	0.509
3	Bamboo Piles	0.224	0.002	0.027	0.253
4	Bamboo Waven Chachari	0.217	0.002	0.026	0.245
5	Bamboo Runers	0.013	0.000	0.002	0.015
	SUB TOTAL OF SURFACE RENEWAL	7.912	0.079	0.949	8.940
	TOTAL COST OF PROJECT IN LACS =	7.912	0.079	0.949	8.940

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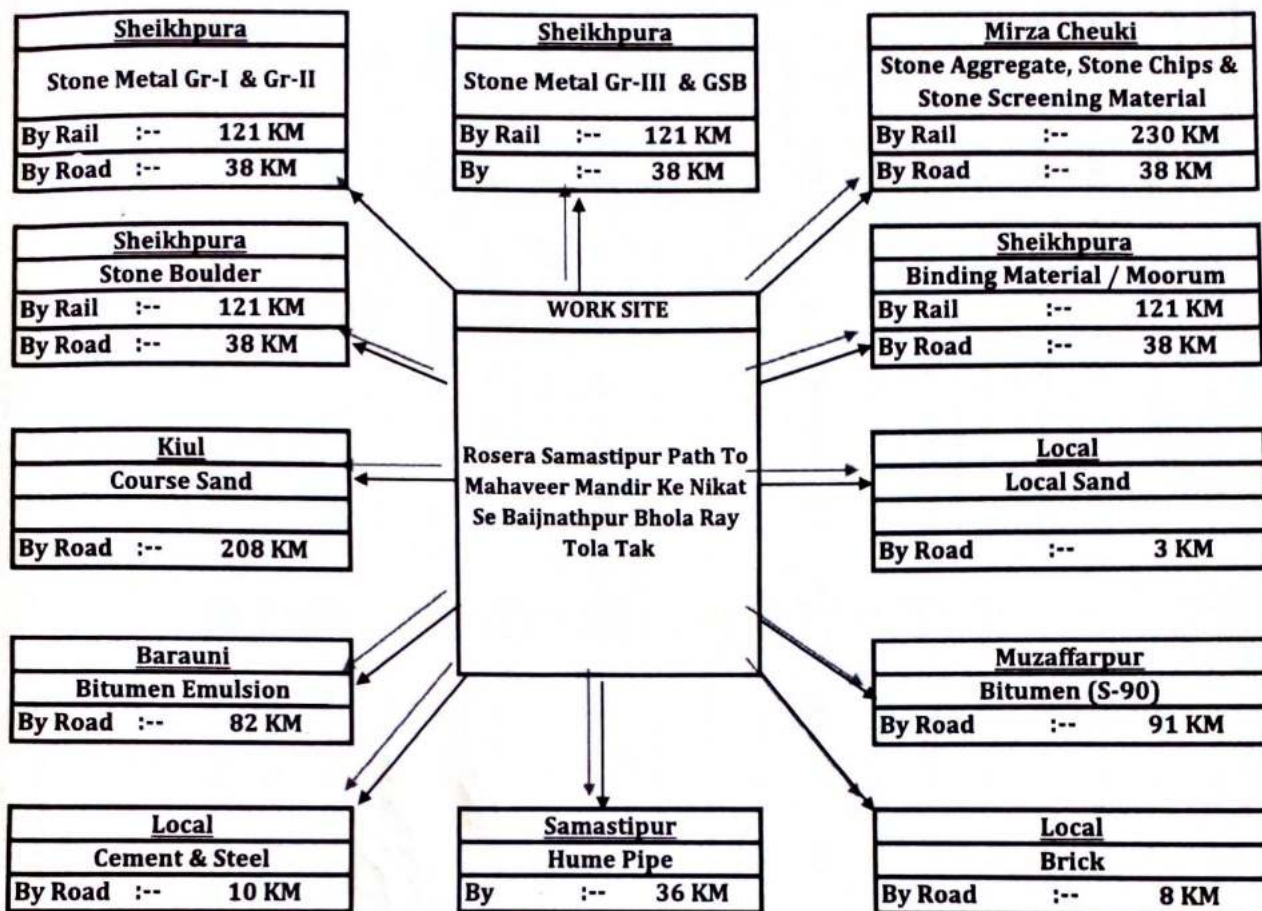
SL No.	SDB SL NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
1	3.2	301.4	Brick Bats Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks.								
				Cum	1	30.00	1.5+2.5	2.50	150.00		
							2.0				
				Cum	1	30.00	1.5+2.5	2.50	150.00		
							2.0				
				Cum	1	15.00	1.5+2.5	2.50	75.00		
							2.0				
									375.00	1,868.70	7,00,763.00
2			Supply For Bamboo								
	A		Vertical Bamboo								
					161	x	4.00	=	644.00		
			Runers		75	x	3.00	=	225.00		
								=	869.00		
					869.00	/	6.00	=	144.83		
			Chachari				No.	=	144.83		
					75	x	3.00	=	225.00		
					225.00	/	1.413	=	159.24		
							No.	=	159.24		
							Total	=	304.07		
			5% Add Westage					=	319.27	141.00	45,017.42
2	5.7.7		Bamboo Piles Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of E/I.								
			Vertical Bamboo	1	x	161	x	4	644.00		
									644.00	34.82	22,424.00
3	5.7.8		Bamboo Waven Chachari Labour for fitting and fixing split bamboo waven chachari inn position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I.								
						75	x	3	225.00		
				Sqm					225.00	96.37	21,682.00

Figure -3

Quarry Map

Name of Road :-- Rosera Samastipur Path To Mahaveer Mandir Ke Nikat Se Baijnathpur Bhola Ray Tola Tak
 Block :-- Ujiarpur
 District :-- Samastipur

Length of the Road:- 2.558 KM



* Subjected to Verification of Lead

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E.E.

S.E.

Analysis for Carriage by Road & Rail

Rosera Samastipur Path To Mahaveer Mandir Ke Nikat Se Bajinathpur Bhola Ray Tola Tak

Samastipur

Block :- Ujiarpur

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km		Katcha		Loading & Unloading Cost	Carriage Cost by Rail Head	Total ₹	Total ₹ Minimum
				Pukka / Surface							
1	Stone Metal Gr-I & Gr-II (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{4.59} \times 10.10 \times 38.00 \text{ Km} = \text{Rs } 668.93$	$\frac{8.00}{4.59} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.59} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.59} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	105.12	1025.87	Rs. 1799.92	Rs. 1799.92
				$\frac{8.00}{4.59} \times 7.94 \times 137.00 \text{ Km} = \text{Rs } 1895.91$	$\frac{8.00}{4.59} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.59} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.59} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	210.19		Rs. 2106.10	
2	Stone Metal Gr-III (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 10.10 \times 38.00 \text{ Km} = \text{Rs } 615.31$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	105.12	1128.34	Rs. 1848.77	Rs. 1848.77
				$\frac{8.00}{4.99} \times 7.94 \times 137.00 \text{ Km} = \text{Rs } 1743.94$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	210.19	1128.34	Rs. 3082.47	
3	Stone Aggregate / Chips (Mirza Chowki by Rail 230 Km)	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 10.10 \times 38.00 \text{ Km} = \text{Rs } 615.31$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	105.12	1588.15	Rs. 2308.58	Rs. 2308.58
				$\frac{8.00}{4.99} \times 7.94 \times 137.00 \text{ Km} = \text{Rs } 1743.94$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	210.19	1588.15	Rs. 3542.28	
4	Stone Boulder (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{4.80} \times 10.10 \times 38.00 \text{ Km} = \text{Rs } 639.67$	$\frac{8.00}{4.80} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.80} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.80} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	105.12	1159.81	Rs. 1904.60	Rs. 1904.60
				$\frac{8.00}{4.80} \times 7.94 \times 137.00 \text{ Km} = \text{Rs } 1812.97$	$\frac{8.00}{4.80} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.80} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.80} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	210.19	1159.81	Rs. 3182.97	
5	Course Sand	Cum	Kilul	$\frac{8.00}{4.99} \times 7.94 \times 208.00 \text{ Km} = \text{Rs } 2647.73$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	113.67		Rs. 2761.40	Rs. 2761.40
				$\frac{8.00}{6.00} \times 10.10 \times 38.00 \text{ Km} = \text{Rs } 511.73$	$\frac{8.00}{6.00} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{6.00} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{6.00} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$	113.67	851.49	Rs. 1476.89	Rs. 1476.89
6	Binding Material/Moorum (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{6.00} \times 7.94 \times 137.00 \text{ Km} = \text{Rs } 1450.37$	$\frac{8.00}{6.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{6.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{6.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	66.31	851.49	Rs. 2368.17	Rs. 2368.17
				$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km} = \text{Rs } 32.38$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$	113.67		Rs. 185.01	Rs. 185.01
7	Local Sand	Cum	Local	$\frac{8.00}{2.00} \times 7.94 \times 7.00 \text{ Km} = \text{Rs } 222.32$	$\frac{8.00}{2.00} \times 19.22 \times 1.00 \text{ Km} = \text{Rs } 76.88$	$\frac{8.00}{2.00} \times 19.22 \times 1.00 \text{ Km} = \text{Rs } 76.88$	$\frac{8.00}{2.00} \times 19.22 \times 1.00 \text{ Km} = \text{Rs } 76.88$	477.44		Rs. 776.64	Rs. 776.64
8	Brick	1000 Nos	Local	$\frac{8.00}{8.00} \times 7.94 \times 10.00 \text{ Km} = \text{Rs } 79.40$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	347.32		Rs. 426.72	Rs. 426.72
9	Cement	MT	Local	$\frac{8.00}{8.00} \times 7.94 \times 10.00 \text{ Km} = \text{Rs } 79.40$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	370.58		Rs. 449.98	Rs. 449.98
10	Steel	MT	Local	$\frac{8.00}{8.00} \times 7.94 \times 82.00 \text{ Km} = \text{Rs } 651.08$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	396.98		Rs. 1048.06	Rs. 1048.06
11	Bitumen Emulsion	MT	Barauni	$\frac{8.00}{8.00} \times 7.94 \times 91.00 \text{ Km} = \text{Rs } 722.54$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	396.98		Rs. 1119.52	Rs. 1119.52
12	Bitumen	MT	Muzaffarpur	$\frac{8.00}{8.00} \times 7.94 \times 36.00 \text{ Km} = \text{Rs } 228.67$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	70.84		Rs. 299.51	Rs. 299.51
13	Hume Pipe (1000 mm)	m	Samastipur	$\frac{8.00}{25.00} \times 7.94 \times 36.00 \text{ Km} = \text{Rs } 91.47$	$\frac{8.00}{25.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{25.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{25.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	30.36		Rs. 121.83	Rs. 121.83
14	Hume Pipe (600 mm)	m	Samastipur	$\frac{8.00}{60.00} \times 7.94 \times 36.00 \text{ Km} = \text{Rs } 38.11$	$\frac{8.00}{60.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{60.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	$\frac{8.00}{60.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$	30.36		Rs. 68.47	Rs. 68.47
15	Hume Pipe (300 mm)	m	Samastipur								

* Subjected to Verification of Lead

Type of Road	₹ Per Ton. Km by Tipper	₹ Per Ton. Km by Truck
For Surface Road	10.10	7.94
Unsurface Gravel Road	12.10	9.55
Kachha Road	24.30	19.22

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Analysis for Carrige 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)

Carriage Cost & Lead in Km				Loading & Unloading		Total
Pucka / Surface		Katcha				
$\frac{8.00}{4.59} \times 10.10 \times 4.00 \text{ Km} = \text{Rs } 70.41$	+	$\frac{8.00}{4.59} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		+	Rs 105.12	= Rs 175.53
UnSurface		$\frac{8.00}{4.59} \times 12.10 \times 1.00 \text{ Km}$				= Rs 21.09
Loading & Unloading Cost by manual				=	Rs 210.19	= Rs 210.19
					Total	= Rs 406.81
Less for O.H & C.P = Rs 406.81 / 1.166				=	Rs 348.89	Total "A" = Rs 348.89

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	=	For 1 MT		=	Rs 277.57	
Rail Freight =	1.743 x	Rs 277.57	For 1 MT	"B"	=	Rs 483.80

Gross Cost for Railway freight charge "A" + "B" For 1 MT = Rs 832.69

Add 12% Overhead Charge = 12% = Rs 99.92

Add 10% Contractor Profit = 10% = Rs 93.26

Carriage Cost from Quarry to Karpurigram Railway Yard For 1 Cum = Rs 1025.87

Analysis for Carrige 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)

Carriage Cost & Lead in Km				Loading & Unloading		Total
Pucka / Surface		Katcha				
$\frac{8.00}{4.99} \times 10.10 \times 4.00 \text{ Km} = \text{Rs } 64.77$	+	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		+	Rs 105.12	= Rs 169.89
UnSurface		$\frac{8.00}{4.99} \times 12.10 \times 1.00 \text{ Km}$				= Rs 19.40
Loading & Unloading Cost by manual				=	Rs 210.19	= Rs 210.19
					Total	= Rs 399.48
Less for O.H & C.P = Rs 399.48 / 1.166				=	Rs 342.61	Total "A" = Rs 342.61

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
Busy Season charge 15% of Railway freight charge	=	For 1 MT	= 15%
Railway Development Charge to 5% of Railway freight Charge	=	For 1 MT	= 5%
Terminal charge @Rs.40.00 per Terminal per MT	=	For 1 MT	2 x Rs 40.00
GST 0 % "(4% included in Overhead Charges) =	Rs 357.57 x	0%	
Total		For 1 MT	For 1 MT
Rail Freight =	1.603 x Rs 357.57		"B"
Gross Cost for Railway freight charge "A" + "B"		For 1 MT	
		Add 12% Overhead Charge	= 12%
		Add 10% Contractor Profit	= 10%
Carriage Cost from Quarry to Karpurigram Railway Yard		For 1 Cum	

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)

Pucka / Surface		Carriage Cost & Lead in Km		Katcha		Loading & Unloading		Total
$\frac{8.00}{4.99} \times 10.10$	$\times 4.00 \text{ Km}$	= Rs 64.77	+	$\frac{8.00}{4.99} \times 24.30$	$\times 0.00 \text{ Km}$	= Rs 0.00	+	Rs 105.12
UnSurface		$\frac{8.00}{4.99} \times 12.10$	$\times 1.00 \text{ Km}$					
Loading & Unloading Cost by manual								
								Rs 210.19
Less for O.H & C.P		= Rs 399.48 /	1.166					Total "A" =
								Rs 342.61

Mirza Chowki Railway Yard to Karpurigram

Railway Yard = 230.00 Km

Railway freight charge from Mirza Chowki Railway station to Karpurigram Railway station	= For 1 MT	230.00 Km	= Rs 425.30
Busy Season charge 15% of Railway freight charge	=	For 1 MT	= 15%
Railway Development Charge to 5% of Railway freight Charge	=	For 1 MT	= 5%
Terminal charge @Rs.40.00 per Terminal per MT	=	For 1 MT	2 x Rs 40.00
GST 0 % "(4% included in Overhead Charges) =	Rs 590.37 x	0%	
Total		For 1 MT	For 1 MT
Rail Freight =	1.603 x Rs 590.37		"B"
Gross Cost for Railway freight charge "A" + "B"		For 1 MT	
		Add 12% Overhead Charge	= 12%
		Add 10% Contractor Profit	= 10%
Carriage Cost from Quarry to Karpurigram Railway Yard		For 1 Cum	

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)

Carriage Cost & Lead in Km				Loading & Unloading		Total
Pucka / Surface		Katcha				
$\frac{8.00}{4.80} \times 10.10 \times 4.00 \text{ Km} = \text{Rs } 67.33$	+	$\frac{8.00}{4.80} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		+	Rs 105.12	= Rs 172.45
UnSurface		$\frac{8.00}{4.80} \times 12.10 \times 1.00 \text{ Km}$			=	Rs 20.17
Loading & Unloading Cost by manual	=			=	Rs 210.19	= Rs 210.19
					Total	= Rs 402.81
Less for O.H & C.P = Rs 402.81 / 1.166					Total "A"	= Rs 345.46

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 2 x Rs 40.00 = Rs 80.00

GST 0 % "(4% included in Overhead Charges) = Rs 357.57 x 0%

= Rs 0.00

Total

= For 1 MT = Rs 357.57

Rail Freight = 1.667 x Rs 357.57

For 1 MT "B" = Rs 595.94

Gross Cost for Railway freight charge "A" + "B"

For 1 MT = Rs 941.41

Add 12% Overhead Charge = 12% = Rs 112.97

Add 10% Contractor Profit = 10% = Rs 105.44

Carriage Cost from Quarry to Karpurigram Railway Yard

For 1 Cum = Rs 1159.81

Analysis for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Binding Material /Moorum

Quarry Site to Sheikhpura Railway Yard (By Road)

Carriage Cost & Lead in Km				Loading & Unloading		Total
Pucka / Surface		Katcha				
$\frac{8.00}{6.00} \times 10.10 \times 4.00 \text{ Km} = \text{Rs } 53.87$	+	$\frac{8.00}{6.00} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		+	Rs 66.31	= Rs 120.18
UnSurface		$\frac{8.00}{6.00} \times 12.10 \times 1.00 \text{ Km}$			=	Rs 16.13
Loading & Unloading Cost by manual	=			=	Rs 113.67	= Rs 113.67
					Total	= Rs 249.98
Less for O.H & C.P = Rs 249.98 / 1.166					Total "A"	= Rs 214.39

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
Busy Season charge 15% of Railway freight charge	= For 1 MT		= 15%
Railway Development Charge to 5% of Railway freight Charge	For 1 MT		= 5%
Terminal charge @Rs.40.00 per Terminal per MT	For 1 MT	2	x Rs 40.00
GST 0 % "(4% Included in Overhead Charges)"	= Rs 357.57 x	0%	
Total	=	For 1 MT	
Rail Freight =	1.333 x Rs 357.57	For 1 MT	"B"
Gross Cost for Railway freight charge "A" + "B"		For 1 MT	
	Add 12% Overhead Charge	=	12%
	Add 10% Contractor Profit	=	10%
Carriage Cost from Quarry to Karpurigram Railway Yard		For 1 Cum	

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD R. f. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
Haulage BY TIPPER							
1	1.10	(i)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-I : Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour				
		a)	Machinery Tipper 10 t capacity Haulage with load	hour	0.40	1183.00	473.20
			Empty return trip	hour	0.29	1183.00	343.07
		b)	Overheads @ 12%				97.95
		c)	Contractor's profit @ 10% on (a+b)				91.42
			Cost for 100 t-km = a+b+c				1005.64
			Rate per cum = (a+b+c) / 100				10.06
			Rate Per Km.	Cum			10.10
2	1.10	(ii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour				
		a)	Machinery Tipper 10 t capacity Haulage with load	hour	0.50	1183.00	591.50
			Empty return trip	hour	0.33	1183.00	390.39
		b)	Overheads @ 12%				117.83
		c)	Contractor's profit @ 10% on (a+b)				109.97
			Cost for 100 t-km = a+b+c				1209.69
			Rate per cum = (a+b+c) / 100				12.10
			Rate Per Km.	Cum			12.10
3	1.10	(iii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-III : Katcha Track and Track in River Bed/Nallah Bed and Choe Bed. Speed with load: 10 km per hour Speed while returning empty: 15 km per hour				
		a)	Machinery Tipper 10 t capacity Haulage with load	hour	1.00	1183.00	1183.00
			Empty return trip	hour	0.67	1183.00	792.61
		b)	Overheads @ 12%				237.07
		c)	Contractor's profit @ 10% on (a+b)				221.27
			Cost for 100 t-km = a+b+c				2433.95
			Rate per cum = (a+b+c) / 100				24.34
			Rate Per Km.	Cum			24.30
Haulage BY TRUCK							
4	1.10	(i)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking.				

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate
			Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-I : Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour a) Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% b) Contractor's profit @ 10% on (a+b) c) Cost for 100 t-km = a+b+c Rate per cum = (a+b+c) / 100	hour hour	0.40 0.29	934.31 934.31
			Rate Per Km.	Cum		
5	1.10	(ii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour a) Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% b) Contractor's profit @ 10% on (a+b) c) Cost for 100 t-km = a+b+c Rate per cum = (a+b+c) / 100	hour hour	0.50 0.33	934.31 934.31
			Rate Per Km.	Cum		
6	1.10	(iii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-III : Katcha Track and Track in River Bed/Nallah Bed and Choe Bed. Speed with load: 10 km per hour Speed while returning empty: 15 km per hour a) Machinery Truck 10 t capacity Haulage with load Empty return trip Overheads @ 12% b) Contractor's profit @ 10% on (a+b) c) Cost for 100 t-km = a+b+c Rate per cum = (a+b+c) / 100	hour hour	1.00 0.67	934.31 934.31
			Rate Per Km.	Cum		
7	1.10	RCD	Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum. Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and Unit = cum Taking output = 5.5 cum Time required for i) Positioning of tipper at loading point ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour iii) Maneuvering, reversing, dumping and turning for return iv) Waiting time, unforeseen contingencies etc Total a) Machinery Tipper 5.5 tonnes capacity Front end-loader 1 cum bucket capacity @ 25 cum/hour Overheads @ 12%	hour hour	1 Min 13 Min 2 Min 4 Min 20 Min 0.33 0.33	1183 1408

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
			c) Contractor's profit @ 10% on (a+b) Cost for 5.5 cum = a+b+c Rate per cum = (a+b+c)/ 5.5				95.58 1051.36 191.16
			Unloading will be by tipping.			say	191.20
8	1.20	RCD	Loading and Unloading of Boulders by Manual Means Unit = cum Taking output = 5.5 cum a) Labour Mate Mazdoor for loading and unloading b) Machinery Tipper 5.5 tonne capacity Overheads @ 12% d) 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	0.11 0.75 0.75	321.00 304.00 1183.00	35.31 228.00 887.25 138.07 128.86 1417.49 257.73
			Unloading will be by tipping.			say	257.75
9	1.30	RCD	Loading and Unloading of Cement or Steel by Manual Means and Unit = tonne Taking output = 10 tonnes a) Labour Mate Mazdoor for loading and unloading b) Machinery Truck 10 tonne capacity Overheads @ 12% d) Contractor's profit @ 10% on (a+b+c) Cost for 10 tonnes = a+b+c+d Rate per tonnes = (a+b+c+d)/10	day day hour	0.08 2.00 2.00	321.00 304.00 934.30	25.68 608.00 1868.60 300.27 280.26 3082.81 308.28
						say	308.30
10	1.1	(i)	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m Unit = cum Taking output = 5.5 cum a) Labour Mate Mazdoor (Unskilled) b) Machinery Truck c) Overheads @ 12% d) 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	0.02 0.50 0.50	321.00 304.00 934.30	6.42 152.00 467.15 75.07 70.06 770.70 140.13
			Total Cost	Cum			140.13
11		(ii)	Loading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m. Unit = cum Taking output = 5.5 cum a) Labour Mate Mazdoor (Unskilled) b) Machinery Truck c) Overheads @ 12% d) 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	0.01 0.25 0.25	321.00 304.00 934.30	3.21 76.00 233.58 37.53 35.03 385.35 70.06
			Total Cost	Cum			70.06
12		(iii)	Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by mechanical means including a lead upto 30 m Unit = cum Taking output = 5.5 cum a) Labour Mate	day	0.01	321.00	3.21

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate
			Mazdoor (Unskilled)	day	0.25	304.00
		b)	Machinery	hour	0.25	934.30
		c)	Truck			
		d)	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			
			Total Cost	Cum		
			Total Loding & Unloading of Stone Aggregate	Cum	= 140.13 + 70.06 =	
13		(iv)	Unloading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m. Unit = cum Taking output = 5.5 cum			
		a)	Labour	day	0.01	321.00
			Mate	day	0.13	304.00
		b)	Machinery	hour	0.17	934.30
		c)	Truck			
		d)	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			
			Total Cost	Cum		
			Total Loding & Unloading of Sand / Moorum	Cum	= 70.06 + 43.61 =	
14	1.3		Loading, Unloading and Stacking of Bricks by Manual Means			
		(i)	Loading of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos.			
		a)	Labour	day	0.01	321.00
			Mate	day	0.25	304.00
		b)	Machinery	hour	0.33	934.30
		c)	Truck			
		d)	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			
			Total Cost	no.		
15		(ii)	Unloading and Stacking of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos.			
		a)	Labour	day	0.01	321.00
			Mate	day	0.25	304.00
		b)	Machinery	hour	0.33	934.30
		c)	Truck			
		d)	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			
			Total Cost	no.		
16		(i)	Loading and Unloading of Cement by Manual Means			
			Loading of Cement by manual means including a lead upto 30 m Unit = t Taking output = 10 t			
		a)	Labour	day	0.06	321.00
			Mate	day	1.50	304.00
			Mazdoor (Unskilled)			

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
		b)	Machinery				
			Truck	hour	1.00	934.30	934.30
		c)	Overheads @ 12%				169.15
		d)	Contractor's profit @ 10% on (a+b+c)				157.87
			Cost for 10 t = a+b+c+d				1736.58
			Rate per tonnes = (a+b+c+d)/10				173.66
			Total Cost including	t			173.66
17		(ii)	Unloading of Cement by manual means including a lead upto 30 m				
			Unit = t				
			Taking output = 10 t				
		a)	Labour				
			Mate	day	0.06	321.00	19.26
			Mazdoor (Unskilled)	day	1.50	304.00	456.00
		b)	Machinery				
			Truck	hour	1.00	934.30	934.30
		c)	Overheads @ 12%				169.15
		d)	Contractor's profit @ 10% on (a+b+c)				157.87
			Cost for 10 t = a+b+c+d				1736.58
			Rate per tonne = (a+b+c+d)/10				173.66
			Total Cost	t			173.66
			Total Loding & Unloading of Cement	t	= 173.66 + 173.66 =		347.32
18	1.5	(i)	Loading and Unloading of Structural Steel and Steel Bars by manual means				
			Loading of Structural Steel, Steel Bars by manual means including a lead upto 30 m				
			Unit = t				
			Taking output = 10 t				
		a)	Labour				
			Mate	day	0.07	321.00	22.47
			Mazdoor (Unskilled)	day	1.80	304.00	547.20
		b)	Machinery				
			Truck	hour	1.00	934.30	934.30
		c)	Overheads @ 12%				180.48
		d)	Contractor's profit @ 10% on (a+b+c)				168.44
			Cost for 10 t = a+b+c+d				1852.89
			Rate per tonnes = (a+b+c+d)/10				185.29
			Total Cost	t			185.29
19		(ii)	Unloading of Structural Steel, Steel Bars by manual means including a lead upto 30 m				
			Unit = t				
			Taking output = 10 t				
		a)	Labour				
			Mate	day	0.07	321.00	22.47
			Mazdoor (Unskilled)	day	1.80	304.00	547.20
		b)	Machinery				
			Truck	hour	1.00	934.30	934.30
		c)	Overheads @ 12%				180.48
		d)	Contractor's profit @ 10% on (a+b+c)				168.44
			Cost for 10 t = a+b+c+d				1852.89
			Rate per t = (a+b+c+d)/10				185.29
			Total Cost	t			185.29
			Total Loding & Unloading of Steel	t	= 185.29 + 185.29 =		370.58
20	1.6	(i)	Loading and Unloading of Bitumen Drums by Manual Means				
			Loading of Bitumen Drums by manual means including a lead upto 30 m				
			Unit = t				
			Taking output = 10 t				
		a)	Labour				
			Mate	day	0.06	321.00	19.26
			Mazdoor (Unskilled)	day	1.60	304.00	486.40
		b)	Machinery				
			Truck	hour	1.25	934.30	1167.88
		c)	Overheads @ 12%				200.82
		d)	Contractor's profit @ 10% on (a+b+c)				187.44
			Cost for 10 t = a+b+c+d				2061.80

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount
			Rate per tonnes = (a+b+c+d)/10				
			Total Cost	t			206.18
21		(ii)	Unloading of Bitumen Drums by Manual Means including a lead upto 30 m Unit = t Taking output = 10 t				206.18
		a)	Labour				
			Mate	day	0.05	321.00	16.05
			Mazdoor (Unskilled)	day	1.20	304.00	364.80
		b)	Machinery				
			Truck	hour	1.25	934.30	1167.88
		c)	Overheads @ 12%				185.89
		d)	Contractor's profit @ 10% on (a+b+c)				173.44
			Cost for 10 t = a+b+c+d				1908.00
			Rate per t = (a+b+c+d)/10				190.80
		Note :-	The rate is inclusive of the self weight of drum				
			Total Cost	t			190.80
			Total Loding & Unloading of Bitumen Drums	t		= 206.18 + 190.8 =	396.98
22	1.9	(i)	Loading and Unloading of Hume Pipes				
		A.	Loading of RCC Hume pipes by mechanical means including a lead upto 30 m 1000 / 1200 mm dia Hume pipe Unit = per pipe Taking output = 9 pipes				
		a)	Labour				
			Mate	day	0.02	321.00	6.42
			Mazdoor (Unskilled)	day	0.50	304.00	152.00
		b)	Machinery				
			Truck	hour	0.33	934.30	308.81
			Crane	hour	0.33	909.00	299.97
		c)	Overheads @ 12%				92.00
		d)	Contractor's profit @ 10% on (a+b+c)				85.00
			Cost for 9 pipes = a+b+c+d				944.20
			Rate per pipe = (a+b+c+d)/9				104.91
			Total Cost	per p			104.91
23		C.	600/450 mm dia Hume pipe Unit = per pipe Taking output = 21 pipe				
		a)	Labour				
			Mate	day	0.02	321.00	6.42
			Mazdoor (Unskilled)	day	0.50	304.00	152.00
		b)	Machinery				
			Truck	hour	0.33	934.30	308.81
			Crane	hour	0.33	909.00	299.97
		c)	Overheads @ 12%				92.00
		d)	Contractor's profit @ 10% on (a+b+c)				85.00
			Cost for 21 pipes = a+b+c+d				944.20
			Rate per pipe = (a+b+c+d)/21				44.96
			Total Cost	per p			44.96
24		(ii)	Unloading of RCC Hume pipe by mechanical means including a lead upto 30 m				
		A.	1000/1200 mm dia RCC Hume pipes Unit = per pipe Taking output = 9 pipes				
		a)	Labour				
			Mate	day	0.02	321.00	6.42
			Mazdoor (Unskilled)	day	0.50	304.00	152.00
		b)	Machinery				
			Truck	hour	0.20	934.30	186.86
			Crane	hour	0.20	909.00	181.80
		c)	Overheads @ 12%				63.00
		d)	Contractor's profit @ 10% on (a+b+c)				59.00
			Cost for 9 pipes = a+b+c+d				64.00
			Rate per pipe = (a+b+c+d)/9				72.22
			Total Cost	per p			72.22
			Total Loding & Unloading of RCC Hume Pipe	per Pipe		= 104.95 + 72.15 =	177.10
			Total Loding & Unloading of RCC Hume Pipe	m		= 177.1 / 2.50 =	70.84

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
25		C.	600/450 mm dia Hume pipe Unit = per pipe Taking output = 21 pipes				
		a)	Labour				
			Mate				
		b)	Mazdoor (Unskilled)	day	0.02	321.00	6.42
			Machinery	day	0.50	304.00	152.00
			Truck				
		c)	Crane	hour	0.20	934.30	186.86
		d)	Overheads @ 12%	hour	0.20	909.00	181.80
			Contractor's profit @ 10% on (a+b+c)				63.25
			Cost for 21 pipes = a+b+c+d				59.03
			Rate per pipe = (a+b+c+d)/21				649.36
							30.92
			Total Cost	per p			30.92
			Total Loding & Unloading of RCC Hume Pipe	per Pipe		= 44.98 + 30.92 =	75.90
			Total Loding & Unloading of RCC Hume Pipe	m		= 75.9 / 2.50 =	30.36
26	1.16	100	Setting Out Pillars Unit = 1 No. Analysis of rates per pillar shall account for following : Typical Benchmark 1 no. as per Dwg no. 200.1 of MORD Data Book (Page 1-18) The rate analysis for a typical benchmark as per dwg.				
			1. Excavation	cum	0.33	334.58	108.74
			2. P.C.C. grade M 10	cum	0.10	6681.46	668.15
			3. Brick Masonry in CM 1:4	cum	0.48	6237.17	2962.66
			4. Plastering with CM 1:4 , 15 mm thick cement plaster on Brick work.	sqm	2.63	216.63	569.74
			Add 5 per cent cost of items No.1 to 4 for white washing.				215.46
			Sub Total	NO			4524.74
		A	Total 6 Nos. of Pillars required for 1 Km.	NO	6.00	4524.74	27148.44
27	1.16	100	Setting Out Pillars Unit = 1 No. Analysis of rates per pillar shall account for following : Reference Pillar 1 no. as per Dwg no. 200.2 of MORD Data Book (Page 1-18) The rate analysis for a typical benchmark as per dwg.				
			1. Excavation	cum	0.192	334.58	64.24
			2. P.C.C. grade M 10	cum	0.060	6681.46	400.89
			3. Brick Masonry in CM 1:4	cum	0.193	6237.17	1203.77
			4. Plastering with CM 1:4 , 15 mm thick cement plaster on Brick work.	sqm	1.50	216.63	324.95
			Add 5 per cent cost of items No.1 to 4 for white washing.				99.69
			Sub Total	NO			2093.54
		B	Total 2 Nos. of reference pillars required for 1 Km.	NO	2.00	2093.54	4187.08
			Cost of Setting out	Km	A + B		31335.52
			Total Cost	Km			31335.52
26	OLD SOR		Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks.				
	8.1.3.2 (iii)		Unit = cum Assuming- 2.832 Cum				
		a)	Labour (Unskilled)				
		i)	Carrying, spreading, laying & Packing	nos	1.50	304.00	456.00
		ii)	Compaction brick bats with C.I. Hammer.	nos	0.67	304.00	203.68
		iii)	Brick Bat	Cum	2.83	1063.00	3010.42
		iv)	Local Sand	Cum	0.63	141.85	89.65
			Over Heads @ 12 % on (a+b+c)				451.17
			C. Profit @ 10 % on (a+b+c+d)				421.09
		d)	Cost for 2.832 cum = a+b+c+d				4632.01
		e)	Rate Per cum = (a+b+c+d) / 2.832	cum			1635.60
			CARRIAGE				
			Carriage for Brick (1 cum Bats = 300 nos Bricks)	nos	0.300	776.64	233.10
			Rate per cum with carriage				1868.70
			Total Cost	CUM			1,868.70

Analysis of Rates (FORMAT P8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount
27	5.7.6		Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of E/I.				
			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	657.60
		b)	Laber Carpenter Gril Unskilled Mazdoor	nos nos	0.50 0.25	408.00 304.00	204.00 76.00
		c)	Overheads @ 12%				112.50
		d)	Contractor's profit @ 10% on (a+b+c+d)				105.00
		e)	Rate Per cum = (a+b+c+d)/10	Per M			115.50
			Total Cost	Per M			115.50
28	5.7.7		Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of E/I.				
			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 nos	0.25 2.50	408.00 304.00	102.00 760.00
		c)	Overheads @ 12%				103.40
		d)	Contractor's profit @ 10% on (a+b+c+d)				96.00
		e)	Rate Per cum = (a+b+c+d)/30.5	Per M			34.00
			Total Cost	Per M			34.00
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/I.				
			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	Kg	0.25	61.74	15.44
		b)	Laber Carpenter Gril Unskilled Mazdoor	nos nos	1.00 1.00	408.00 304.00	408.00 304.00
		c)	Overheads @ 12%				87.20
		d)	Contractor's profit @ 10% on (a+b+c+d)				81.40
		e)	Rate Per cum = (a+b+c+d)/9.30	Per M			90.00
			Total Cost	Per M			90.00
30	5.7.9		Labour for fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm dia nails or 38 swg G.I wire including cost of G.I wire or nails complete job as per specification and direction of E/I.				
			Unit = Per M Taking Out put = 30.50 M				
		a)	Materials 75mm To 100 mm Lon Nails	Kg	0.25	61.74	15.44
		b)	Laber Carpenter Gril Unskilled Mazdoor	nos nos	0.125 0.250	408.00 304.00	51.00 76.00
		c)	Overheads @ 12%				17.00
		d)	Contractor's profit @ 10% on (a+b+c+d)				15.00
		e)	Rate Per cum = (a+b+c+d)/30.5	Per M			5.00
			Total Cost	Per M			5.00