



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

2021-22

FLOOD DAMAGED REPORT



Angar Kerai Path To Angar Kerai

DISTRICT	:-	Samastipur	
DIVISION	:-	Dalsingh Sarai	
BLOCK	:-	Ujiarpur	
TOTAL LENGTH OF ROAD	:-	0.791	KM
TOTAL COST OF SURFACE RENEUAL	:-	7.738	Lac
TOTAL COST OF PROJECT	:-	7.738	Lac

2.3		Site Photographs	
NAME OF ROAD :- Angar Kerai Path Se Angar Kerai Path(Lilji)			
BLOCK :- Ujiyarpur		DISTRICT : Samastipur	
1	 Latitude: 25.75146 Longitude: 85.69116 Elevation: 13.213 m Accuracy: 26.9 m Altitude: 13.213 m Pitch: 12.2 (5.1) Time: 10/10/2021 11:02 Note: angar kerai path se angar kerai path	2	 Latitude: 25.75109 Longitude: 85.69116 Elevation: 13.793 m Accuracy: 10.9 m Altitude: 13.793 m Pitch: 13.4 Time: 10/10/2021 11:02 Note: angar kerai path se angar kerai path
3	 Latitude: 25.75146 Longitude: 85.69116 Elevation: 13.213 m Accuracy: 26.9 m Altitude: 13.213 m Pitch: 12.2 (5.1) Time: 10/10/2021 11:02 Note: angar kerai path se angar kerai path	4	 Latitude: 25.75109 Longitude: 85.69116 Elevation: 13.793 m Accuracy: 10.9 m Altitude: 13.793 m Pitch: 13.4 Time: 10/10/2021 11:02 Note: angar kerai path se angar kerai path
5		6	
7	 Latitude: 25.75146 Longitude: 85.69116 Elevation: 13.213 m Accuracy: 26.9 m Altitude: 13.213 m Pitch: 12.2 (5.1) Time: 10/10/2021 11:02 Note: angar kerai path se angar kerai path	8	 Latitude: 25.75109 Longitude: 85.69116 Elevation: 13.793 m Accuracy: 10.9 m Altitude: 13.793 m Pitch: 13.4 Time: 10/10/2021 11:02 Note: angar kerai path se angar kerai path

25/10/2021

25/10/21
AE

FLOOD DAMAGED REPORT

GENERAL ABSTRACT OF COST

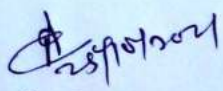
Block:-- Ujiarpur

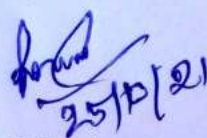
District:- Samastipur

Length of Road:-- 0.791 KM

Name of Road:-- Angar Kerai Path To Angar Kerai

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION :	7.738 Lacs
	TOTAL :	8.344 Lacs


Junior Engineer


Asstt. Engineer

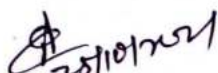
Executive Engineer

SE
RWD

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD : Angar Keral Path To Angar Keral
DISTRICT Samastipur
BLOCK Ujarpur
DIVISION Dalsingh Sarai
LENGTH OF ROAD (in Km) 0.791

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	6.048	0.060	0.726	6.834
2	Supply For Bamboo	0.402	0.004	0.048	0.454
3	Bamboo Piles	0.184	0.002	0.022	0.208
4	Bamboo Waven Chachari	0.202	0.002	0.024	0.229
5	Bamboo Runers	0.012	0.000	0.001	0.014
	SUB TOTAL OF SURFACE RENEWAL	6.848	0.068	0.822	7.738
	TOTAL COST OF PROJECT IN LACS =	6.848	0.068	0.822	7.738


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SL NO	SER	MOND	SL NO	ReLNo	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, ch. w/ldar, 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	1.2+1.5	2.00	81.00		
									2.0				
						Cum	1	45.00	1.0+1.5	1.50	84.38		
									2.0				
						Cum	1	6.00	1.0	1.00	6.00		
						Cum	1	3.00	1.0	0.75	2.25		
											323.63	1,868.70	6,04,758.00
2			Supply For Bamboo										
		A	Vartical Bamboo										
							132	x	4.00	=	528.00		
			Runers				105	x	2.00	=	210.00		
										=	738.00		
							738.00	/	6.00	=	123.00		
			Chachari						No.	=	123.00		
							105	x	2.00	=	210.00		
							210.00	/	1.413	=	148.62		
									No.	=	148.62		
									Total	=	271.62		
					5% Add Westage					=	285.20	141.00	40,213.33
3	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.										
			Vartical Bamboo			1	x	132	x	4	528.00		
											528.00	34.82	18,385.00

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25/10/21
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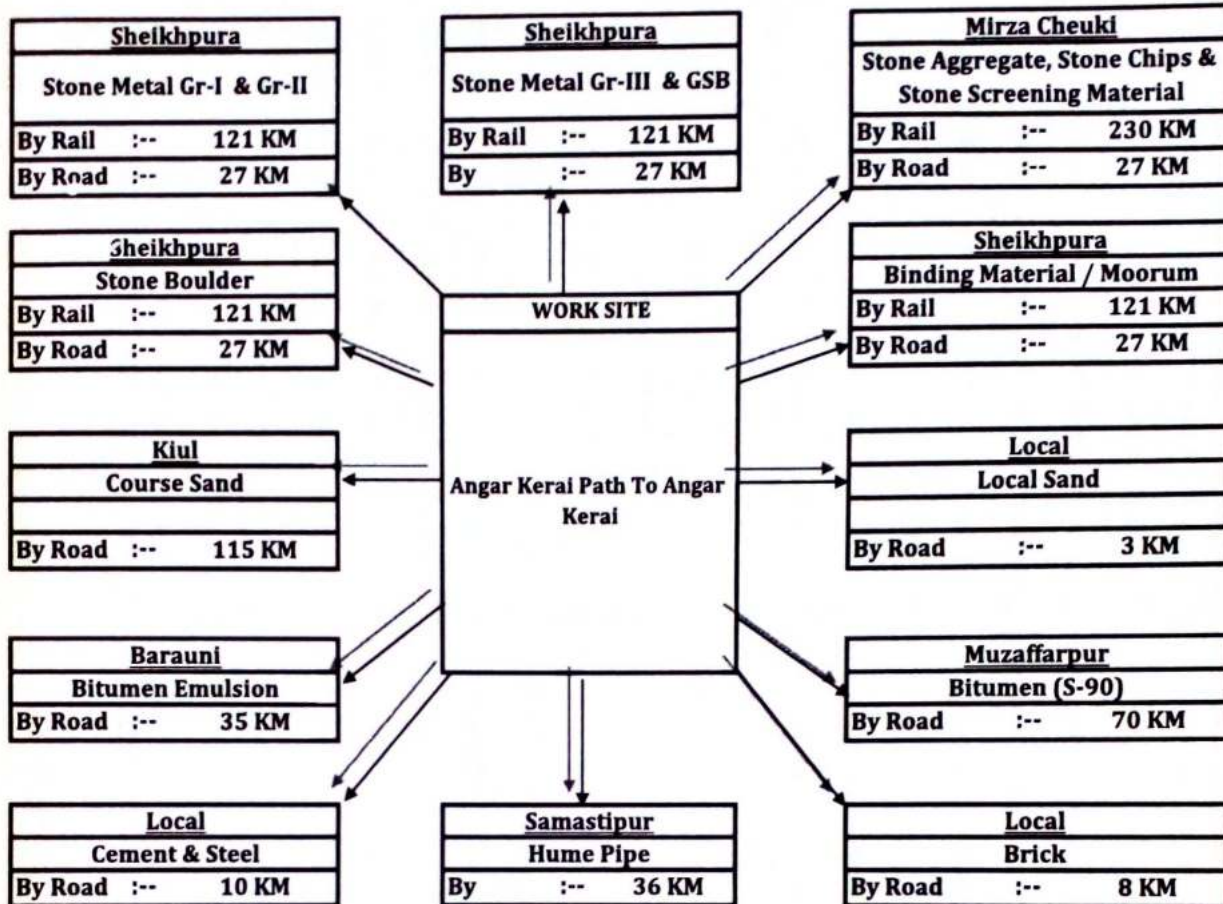
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Figure -3

Quarry Map

Name of Road :-- Angar Kerai Path To Angar Kerai
 Block :-- Ujiarpur
 District :-- Samastipur

Length of the Road:- 0.791 KM



* Subjected to Verification of Lead

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Analysis for Carriage by Road & Rail

Name of Road:-- Angar Kerai Path To Angar Kerai

District:- Samastipur

Block :- Ujiarpur

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total ₹	Total ₹ Minimum
				Pucka / Surface	Katcha					
1	Stone Metal Gr-I & Gr-II (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{4.59} \times 10.10 \times 27.00 \text{ Km} = \text{Rs } 475.29$	$\frac{8.00}{4.59} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		105.12	1025.87	Rs. 1606.28	Rs. 1606.28
	Stone Metal Gr-I & Gr-II	Cum	Sheikhpura	$\frac{8.00}{4.59} \times 7.94 \times 116.00 \text{ Km} = \text{Rs } 1605.30$	$\frac{8.00}{4.59} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		210.19		Rs. 1815.49	
2	Stone Metal Gr-III (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 10.10 \times 27.00 \text{ Km} = \text{Rs } 437.19$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		105.12	1128.34	Rs. 1670.65	Rs. 1670.65
	Stone Metal Gr-III	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 7.94 \times 116.00 \text{ Km} = \text{Rs } 1476.62$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		210.19	1128.34	Rs. 2815.15	
3	Stone Aggregate / Chips (Mirza Chowki by Rail 230 Km)	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 10.10 \times 27.00 \text{ Km} = \text{Rs } 437.19$	$\frac{8.00}{4.99} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		105.12	1588.15	Rs. 2130.46	Rs. 2130.46
	Stone Aggregate / Chips	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 7.94 \times 116.00 \text{ Km} = \text{Rs } 1476.62$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		210.19	1588.15	Rs. 3274.96	
4	Stone Boulder (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{4.80} \times 10.10 \times 27.00 \text{ Km} = \text{Rs } 454.50$	$\frac{8.00}{4.80} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		105.12	1159.81	Rs. 1719.43	Rs. 1719.43
	Stone Boulder	Cum	Sheikhpura	$\frac{8.00}{4.80} \times 7.94 \times 116.00 \text{ Km} = \text{Rs } 1535.07$	$\frac{8.00}{4.80} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		210.19	1159.81	Rs. 2905.07	
5	Course Sand	Cum	Kiul	$\frac{8.00}{4.99} \times 7.94 \times 115.00 \text{ Km} = \text{Rs } 1463.89$	$\frac{8.00}{4.99} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		113.67		Rs. 1577.56	Rs. 1577.56
6	Binding Material/Moorum (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	$\frac{8.00}{6.00} \times 10.10 \times 27.00 \text{ Km} = \text{Rs } 363.60$	$\frac{8.00}{6.00} \times 24.30 \times 0.00 \text{ Km} = \text{Rs } 0.00$		113.67	851.49	Rs. 1328.76	Rs. 1328.76
	Binding Material/Moorum	Cum	Sheikhpura	$\frac{8.00}{6.00} \times 7.94 \times 116.00 \text{ Km} = \text{Rs } 1228.05$	$\frac{8.00}{6.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		66.31	851.49	Rs. 2145.85	
7	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km} = \text{Rs } 32.38$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$		113.67		Rs. 185.01	Rs. 185.01
8	Brick	1000 Nos	Local	$\frac{8.00}{2.00} \times 7.94 \times 7.00 \text{ Km} = \text{Rs } 222.32$	$\frac{8.00}{2.00} \times 19.22 \times 1.00 \text{ Km} = \text{Rs } 76.88$		477.44		Rs. 776.64	Rs. 776.64
9	Cement	MT	Local	$\frac{8.00}{8.00} \times 7.94 \times 10.00 \text{ Km} = \text{Rs } 79.40$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		347.32		Rs. 426.72	Rs. 426.72
10	Steel	MT	Local	$\frac{8.00}{8.00} \times 7.94 \times 10.00 \text{ Km} = \text{Rs } 79.40$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		370.58		Rs. 449.98	Rs. 449.98
11	Bitumen Emulsion	MT	Barauni	$\frac{8.00}{8.00} \times 7.94 \times 35.00 \text{ Km} = \text{Rs } 277.90$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		396.98		Rs. 674.88	Rs. 674.88
12	Bitumen	MT	Muzaffarpur	$\frac{8.00}{8.00} \times 7.94 \times 70.00 \text{ Km} = \text{Rs } 555.80$	$\frac{8.00}{8.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		396.98		Rs. 952.78	Rs. 952.78
13	Hume Pipe (1000 mm)	m	Samastipur	$\frac{8.00}{10.00} \times 7.94 \times 36.00 \text{ Km} = \text{Rs } 228.67$	$\frac{8.00}{10.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		70.84		Rs. 299.51	Rs. 299.51
14	Hume Pipe (600 mm)	m	Samastipur	$\frac{8.00}{25.00} \times 7.94 \times 36.00 \text{ Km} = \text{Rs } 91.47$	$\frac{8.00}{25.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		30.36		Rs. 121.83	Rs. 121.83
15	Hume Pipe (300 mm)	m	Samastipur	$\frac{8.00}{60.00} \times 7.94 \times 36.00 \text{ Km} = \text{Rs } 38.11$	$\frac{8.00}{60.00} \times 19.22 \times 0.00 \text{ Km} = \text{Rs } 0.00$		30.36		Rs. 68.47	Rs. 68.47

* Subjected to Verification of Lead

Cost of Damage Excluding Loading & Unloading as per SOR as

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 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
$\frac{8.00}{4.59}$	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			=	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 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
$\frac{8.00}{4.99}$	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			=	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

Railway Yard = 121.00 Km

Sheikhpura Railway Yard to Karpurigram

Railway freight charge from Sheikhpura Railway station to Karpurigram Railway station = For 1 MT 121.00 Km = Rs 231.30 = 15%

Busy Season charge 15% of Railway freight charge = For 1 MT = 5%

Railway Development Charge to 5% of Railway freight charge = For 1 MT 2 x Rs 40.00 =

Terminal charge @Rs 40.00 per Terminal per MT = Rs 357.57 x 0% =

GST 0 % (4% included in Overhead Charges) = For 1 MT =

Total = 1.603 x Rs 357.57 = For 1 MT = "B"

Rail Freight = Add 12% Overhead Charge = 12% =

Gross Cost for Railway freight charge "A" + "B" = 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
8.00 x 10.10 x 4.00 Km = Rs 64.77	8.00 x 24.30 x 0.00 Km = Rs 0.00			
4.99				
Unsurface	8.00 x 12.10 x 1.00 Km = Rs 210.19			
4.99				
Loading & Unloading Cost by manual				
Less for O.H & C.P.	= Rs 399.48 / 1.166	= Rs 342.61		Total "A" =

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 = 15%

Busy Season charge 15% of Railway freight charge = For 1 MT = 5%

Railway Development Charge to 5% of Railway freight charge = For 1 MT 2 x Rs 40.00 =

Terminal charge @Rs 40.00 per Terminal per MT = Rs 590.37 x 0% =

GST 0 % (4% included in Overhead Charges) = For 1 MT =

Total = 1.603 x Rs 590.37 = 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 for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Material-Stone Boulder

Quarry Site to Sheikhpura Railway Yard (By Road)

Pucka / Surface	Carriage Cost & Lead in Km	Katcha	Loading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 67.33	8.00 x 24.30 x 0.00 Km = Rs 0.00			
4.80				
Unsurface	8.00 x 12.10 x 1.00 Km = Rs 20.17			
4.80				
Loading & Unloading Cost by manual				
Less for O.H & C.P.	= Rs 402.81 / 1.166	= Rs 345.46		Total "A" =

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 = 15%

Busy Season charge 15% of Railway freight charge = For 1 MT = 5%

Railway Development Charge to 5% of Railway freight charge = For 1 MT 2 x Rs 40.00 =

Terminal charge @Rs 40.00 per Terminal per MT = Rs 357.57 x 0% =

GST 0 % (4% included in Overhead Charges) = For 1 MT =

Total = 1.667 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 for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Karpurigram

Binding Material / Moorum

Quarry Site to Sheikhpura Railway Yard (By Road)

Pucka / Surface	Carriage Cost & Lead in Km	Katcha	Loading & Unloading	Total
8.00 x 10.10 x 4.00 Km = Rs 53.87	8.00 x 24.30 x 0.00 Km = Rs 0.00			
6.00				
Unsurface	8.00 x 12.10 x 1.00 Km = Rs 16.13			
6.00				
Loading & Unloading Cost by manual				
Less for O.H & C.P.	= Rs 249.98 / 1.166	= Rs 214.39		Total "A" =

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 = 15%

Busy Season charge 15% of Railway freight charge = For 1 MT = 5%

Railway Development Charge to 5% of Railway freight charge = For 1 MT 2 x Rs 40.00 =

Terminal charge @Rs 40.00 per Terminal per MT = Rs 113.67 x 0% =

GST 0 % (4% included in Overhead Charges) = For 1 MT =

Analysis of Rates (FORMAT F8)

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	=
Bus 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	=	Rs 40.00	=
GST 0 % (4% included in Overhead Charges)	=	For 1 MT	=	0%	=
Total	1.333 x Rs 357.57	=	For 1 MT	=	Rs 473.20
Rail Freight =					
Gross cost for Railway freight charge: A" = B"					
Add 12% Overhead Charge	=	12%	=	Rs 56.78	=
Add 10% Contractor Profit	=	10%	=	Rs 47.32	=
Carriage Cost from Quarry to Karpurigram Railway Yard	For 1 Cum				

SDB SL No.	MOBID R. L No.	DESCRIPTION	Unit	Quantity	Rate	Amount Rs
1.10	(I)	Haulage BY TIPPER Haulage excluding Loading & Unloading and stacking. Unit = Lkm Taking output 10 t load and lead 10 km = 100 Lkm Case-I : Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour Machinery Tipper 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	1183.00	473.20
			hour	0.29	1183.00	343.07
						97.95
						91.42
						1005.64
						10.06
						18.10
1.10	(II)	Haulage BY TRUCK Haulage excluding Loading & Unloading and stacking. Unit = Lkm Taking output 10 t load and lead 10 km = 100 Lkm Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour Machinery Tipper 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	1183.00	591.50
			hour	0.33	1183.00	390.39
						117.83
						109.97
						1209.69
						12.10
1.10	(III)	Haulage BY TRUCK Haulage excluding Loading & Unloading and stacking. Unit = Lkm Taking output 10 t load and lead 10 km = 100 Lkm Case-III : Katcha Track and Track in River Bed/Vallah Bed and Choe Bed. Speed with load: 10 km per hour Speed while returning empty: 15 km per hour Machinery Tipper 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	1183.00	1183.00
			hour	0.67	1183.00	792.61
						237.07
						221.27
						2433.95
						24.34
						24.30

Analysis of Rates (FORMAT F8)

[illegible]

Analysis of Rates (FORMAT 8)

[illegible]

Analysis of Rates (FORMAT F8)

Analysis of Rates (FORMAT F8)									
SDB Sl. No.	MORD Ref.No.	DESCRIPTION	Unit	Quantity	Rate	Amount	B. No.		
1.16	100	600/450 mm dia Humo pipe Unit = per pipe Taking output = 21 pipes Labour Mate Mazdoor (Unskilled) Machinery Truck Crane Overheads @ 12% Contractor's profit @ 10% on (a+b+c) Cost for 21 pipes = a+b+c+d Rate per pipe = (a+b+c+d)/21	day day day hour hour	0.02 0.02 0.50 0.20 0.20	321.00 304.00 304.00 934.30 909.00	6.42 152.00 186.86 181.80 63.25			
		Total Cost	per pipe						
		Total Loading & Unloading of RCC Humo Pipe	per pipe						
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 2. P.C.C. grade M 10 3. Brick Masonry in CM 1:4 4. Plastering with CM 1:4, 15 mm thick cement plaster on Brick work Add 5 per cent cost of items No.1 to 4 for white washing.	cum cum cum cum sqm	0.33 0.10 0.48 2.63	334.58 594.22 5938.84 186.79	108.74 594.22 2820.95 491.26			
		Sub Total	NO			200.76			
		Total 6 Nos. of Pillars required for 1 Km.	NO	6.00	4215.93	4215.93			
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 2. P.C.C. grade M 10 3. Brick Masonry in CM 1:4 4. Plastering with CM 1:4, 15 mm thick cement plaster on Brick work Add 5 per cent cost of items No.1 to 4 for white washing.	cum cum cum cum sqm	0.192 0.060 0.193 1.50	334.58 594.22 5938.84 186.79	64.24 356.53 1146.20 280.19			
		Sub Total	NO			92.36			
		Total 2 Nos. of Reference Pillars required for 1 Km.	NO	2.00	1939.51	1939.51			
		Cost of Setting out	km	A + B		29174.60			
		Total Cost	km			29174.60			
OLD SOR		Providing brick base 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, chowdhar, taxes, royalty etc. all complete job as per specification and direction of S.I. including carriage cost of bricks.							
8.1.3.2	(uu)	Unit = cum Assuming - 2.832 Cum a) Labour (Unskilled) i) Carrying, spreading, laying & Packing ii) Compaction brick bats with C.I. Hammer. iii) Brick Bat iv) Local Sand Over Heads @ 12% on (a+b+c) C. Profit @ 10% on (a+b+c+d) Cost for 2.832 cum = a+b+c+d Rate per cum = (a+b+c+d)/2.832	nos nos Cum Cum	1.50 0.67 2.83 0.63	304.00 304.00 1063.00 141.85	456.00 203.68 3010.42 89.65			
	d)	CARRIAGE Carriage for brick (1 cum Bats = 300 nos Bricks) Rate per cum with carriage	cum nos		0.300	776.64	233.10 1868.70		
	e)					1635.60			
		Total Cost	CUM			1,868.70			

Analysis of Rates (FORMAT F8)

SL No.	SDB SL No.	MORD Ref No.	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	nos	20.00	32.88
			Nut And Bolts 16 mm Dia 225mm Long With Washer etc.			
		b)	Laber	nos	0.50	408.00
			Carpenter Gril	nos	0.25	304.00
			Unskilled Mazdoor			
		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	nos	0.25	408.00
			Carpenter Gril	nos	2.50	304.00
			Unskilled Mazdoor			
		c)	Overheads @ 12%			
		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 bamboo runners in position at every vertical pile with 15 nos 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	Kg	0.25	61.74
		b)	Laber			
			Carpenter Gril	nos	1.00	408.00
			Unskilled Mazdoor	nos	1.00	304.00
		c)	Overheads @ 12%			
		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 15 nos 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	Kg	0.25	61.74
			Carpenter Gril			
			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		