ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

2021-22

FLOOD DAMAGED REPORT

Samastipur Ujiyarpur Sarairanjan Tajpur Path

DISTRICT	:-	Samastipur	
DIVISION	:-	Dalsingh Sarai	
BLOCK	:-	Ujiarpur	
TOTAL LENGTH OF ROAD	:-	8.000	KM
TOTAL COST OF SURFACE RENEUAL	:-	13.010	Lac
TOTAL COST OF PROJECT	:-	13.010	Lac

2.3	**Site Photographs**		
	NAME OF ROAD :- Samastipur Ujiyarpur Sarairanjan Tajpur Path		
	BLOCK ;-- Ujiyarpur	DISTRICT : Samastipur	
1		2	
3		4	

25/10/2021

25/10/21

FLOOD DAMAGED REPORT

GENERAL ABSTRACT OF COST

k:-- Ujiarpur District:- Samastipur

;th of Road:-- 8.000 KM

e of Road:-- Samastipur Ujiyarpur Sarairanjan Tajpur Path

lo.	Item of Work		Amount
	TOTAL COST OF CONSTRUCTION	:	13.010 Lacs
	TOTAL	:	**13.010 Lacs**

25/10/2021

or Engineer

25/10/21

Asstt. Engineer

02.12.2021

Executive Engineer

SE
RWD

Tech'Cally Approved for Rs 13.01 Lacs Say Thirteen Lakh one Thousand only including GST, C.P 10% only.

10/12/21
T.A.

10.12.2021
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य मंडल, उजियारपुर

AO
10.12.21

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD : Samastipur Ujiyarpur Sarairanjan Tajpur Path

DISTRICT Samastipur
BLOCK Ujiarpur
DIVISION Dalsingh Sarai
LENGTH OF ROAD (in Km) 8.000

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	7.501	0.075	0.900	8.476
2	Embankment	0.400	0.004	0.048	0.452
3	GSB	3.448	0.034	0.414	3.896
4	RCC pipe NP-3	0.164	0.002	0.020	0.186
	SUB TOTAL OF SURFACE RENEWAL	**11.513**	**0.115**	**1.382**	**13.010**
	TOTAL COST OF PROJECT IN LACS =	**11.513**	**0.115**	**1.382**	**13.010**

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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,royality etc.all complete job as per specification and direction of E/I including carriage cost of bricks.								
				12	x	3.00	x	0.2	7.20		
				20	x	2.50	x	0.2	10.00		
				5	x	1.50	x	0.2	1.50		
				2	x	1.50	x	0.2	0.60		
				5	x	3.00	x	0.2	3.00		
				6	x	3.00	x	0.2	3.60		
				8	x	2.50	x	0.2	4.00		
				25	x	3.50	x	0.3	26.25		
				16	x	2.50	x	0.2	8.00		
				20	x	2.00	x	0.2	8.00		
				10	x	1.50	x	0.2	2.25		
				25	x	2.50	x	0.2	12.50		
				21	x	3.00	x	0.2	12.60		
				18	x	2.50	x	0.2	9.00		
				30	x	3.75	x	0.2	22.50		
				20	x	3.75	x	0.2	15.00		
				12	x	2.00	x	0.2	4.80		
				24	x	1.50	x	0.2	7.20		
				20	x	2.00	x	0.2	8.00		
				30	x	1.50	x	0.2	9.00		
				35	x	1.20	x	0.2	8.40		
				18	x	2.00	x	0.2	7.20		
				9	x	4.50	x	1.63	65.81		
				10	x	6.00	x	1.8	105.00		
				8	x	5.00	x	1.0	40.00		
									401.41	1,868.70	7,50,120.00
2	3.4	301.5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5 . (Including Labour Cess)								
			For 1000 m lead	20	x	1.50	x	2.5	75.00		
				20	x	1.50	x	3.0	90.00		
									165.00	242.40	39,996.00

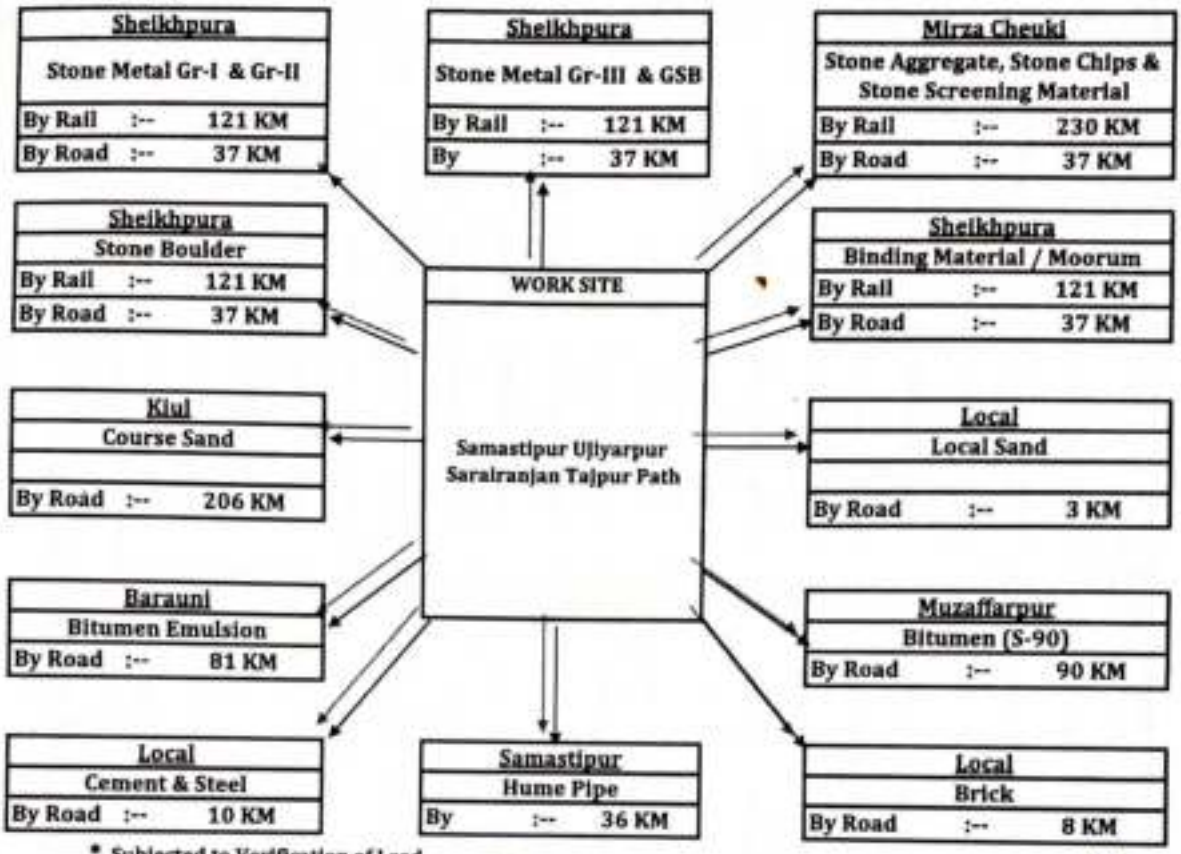
Sl. No.	SDB SL .NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
3	4.1	401	**For Grading I Material**								
			Construction of granular sub-base by providing Well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller achieve the desired density, complete as per Technical specification clause 401.								
				13	x	3.75	x	0.1	4.875		
				20	x	3.75	x	0.1	7.500		
				40	x	3.75	x	0.1	15.000		
				2	x	2.00	x	0.1	0.400		
				24	x	3.75	x	0.1	9.000		
				24	x	3.75	x	0.1	9.000		
				35	x	2.00	x	0.1	7.000		
				12	x	3.75	x	0.1	4.500		
				30	x	3.75	x	0.1	11.250		
				50	x	3.75	x	0.1	18.750		
				16	x	3.00	x	0.1	4.800		
				20	x	2.50	x	0.1	5.000		
				30	x	3.75	x	0.1	11.250		
				44	x	3.75	x	0.1	16.500		
				18	x	3.75	x	0.1	6.750		
				10	x	3.75	x	0.1	3.750		
				20	x	2.50	x	0.1	5.000		
				42	x	2.00	x	0.1	8.400		
									148.73	2,318.08	3,44,768.00
4		9.3 (B)	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works,backfilling concrete and masonary works in head walls and parapets as per clause 1106								
				2	x	2.50			5.000		
									5.000	3,289.25	16,446.00
									A) SUB TOTAL OF CRUST =		**11,51,330.00**

Figure -3 :—

Quarry Map

Name of Road :— Samastipur Ujiyarpur Saralranjan Tajpur Path
Block :— Ujiarpur
District :— Samastipur

Length of the Road:- 8.000 KM



* Subjected to Verification of Lead

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Analysis for Carriage by Road & Rail

Name of Road:-- Samastipur Ujiyarpur Sarairanjan Tajpur Path

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	8.00/4.59 x 10.10 x 37.00 Km = Rs 651.33	8.00/4.59 x 24.30 x 0.00 Km = Rs 0.00	105.12	1025.87	Rs. 1782.32	Rs. 1782.32
	Stone Metal Gr-I & Gr-II	Cum	Sheikhpura	8.00/4.59 x 7.94 x 136.00 Km = Rs 1882.07	8.00/4.59 x 19.22 x 0.00 Km = Rs 0.00	210.19		Rs. 2092.26	
2	Stone Metal Gr-III (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00/4.99 x 10.10 x 37.00 Km = Rs 599.12	8.00/4.99 x 24.30 x 0.00 Km = Rs 0.00	105.12	1128.34	Rs. 1832.58	Rs. 1832.58
	Stone Metal Gr-III	Cum	Sheikhpura	8.00/4.99 x 7.94 x 136.00 Km = Rs 1731.21	8.00/4.99 x 19.22 x 0.00 Km = Rs 0.00	210.19	1128.34	Rs. 3069.74	
3	Stone Aggregate / Chips (Mirza Chowki by Rail 230 Km)	Cum	Sheikhpura	8.00/4.99 x 10.10 x 37.00 Km = Rs 599.12	8.00/4.99 x 24.30 x 0.00 Km = Rs 0.00	105.12	1588.15	Rs. 2292.39	Rs. 2292.39
	Stone Aggregate / Chips	Cum	Sheikhpura	8.00/4.99 x 7.94 x 136.00 Km = Rs 1731.21	8.00/4.99 x 19.22 x 0.00 Km = Rs 0.00	210.19	1588.15	Rs. 3529.55	
4	Stone Boulder (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00/4.80 x 10.10 x 37.00 Km = Rs 622.83	8.00/4.80 x 24.30 x 0.00 Km = Rs 0.00	105.12	1159.81	Rs. 1887.76	Rs. 1887.76
	Stone Boulder	Cum	Sheikhpura	8.00/4.80 x 7.94 x 136.00 Km = Rs 1799.73	8.00/4.80 x 19.22 x 0.00 Km = Rs 0.00	210.19	1159.81	Rs. 3169.73	
5	Course Sand	Cum	Khal	8.00/4.99 x 7.94 x 206.00 Km = Rs 2622.27	8.00/4.99 x 19.22 x 0.00 Km = Rs 0.00	113.67		Rs. 2735.94	Rs. 2735.94
6	Binding Material/Moorum (Sheikhpura by Rail 121 Km)	Cum	Sheikhpura	8.00/6.00 x 10.10 x 37.00 Km = Rs 498.27	8.00/6.00 x 24.30 x 0.00 Km = Rs 0.00	113.67	851.49	Rs. 1463.43	Rs. 1463.43
	Binding Material/Moorum	Cum	Sheikhpura	8.00/6.00 x 7.94 x 136.00 Km = Rs 1439.79	8.00/6.00 x 19.22 x 0.00 Km = Rs 0.00	66.31	851.49	Rs. 2357.59	
7	Local Sand	Cum	Local	8.00/4.99 x 10.10 x 2.00 Km = Rs 32.38	8.00/4.99 x 24.30 x 1.00 Km = Rs 38.96	113.67		Rs. 185.01	Rs. 185.01
8	Brick	1000 Nos	Local	8.00/2.00 x 7.94 x 7.00 Km = Rs 222.32	8.00/2.00 x 19.22 x 1.00 Km = Rs 76.88	477.44		Rs. 776.64	Rs. 776.64
9	Cement	MT	Local	8.00/8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00/8.00 x 19.22 x 0.00 Km = Rs 0.00	347.32		Rs. 426.72	Rs. 426.72
10	Steel	MT	Local	8.00/8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00/8.00 x 19.22 0.00 Km = Rs 0.00	370.58		Rs. 449.98	Rs. 449.98
11	Bitumen Emulsion	MT	Barauni	8.00/8.00 x 7.94 x 81.00 Km = Rs 643.14	8.00/8.00 x 19.22 x 0.00 Km = Rs 0.00	396.98		Rs. 1040.12	Rs. 1040.12
12	Bitumen	MT	Muzaffarpur	8.00/8.00 x 7.94 x 90.00 Km = Rs 714.60	8.00/8.00 x 19.22 x 0.00 Km = Rs 0.00	396.98		Rs. 1111.58	Rs. 1111.58
13	Hume Pipe (1000 mm)	m	Samastipur	8.00/10.00 x 7.94 x 36.00 Km = Rs 228.67	8.00/10.00 x 19.22 x 0.00 Km = Rs 0.00	70.84		Rs. 299.51	Rs. 299.51
14	Hume Pipe (600 mm)	m	Samastipur	8.00/25.00 x 7.94 x 36.00 Km = Rs 91.47	8.00/25.00 x 19.22 x 0.00 Km = Rs 0.00	30.36		Rs. 121.83	Rs. 121.83
15	Hume Pipe (300 mm)	m	Samastipur	8.00/60.00 x 7.94 x 36.00 Km = Rs 38.11	8.00/60.00 x 19.22 x 0.00 Km = Rs 0.00	30.36		Rs. 68.47	Rs. 68.47

Cost of Haulage Excluding Loading & Unloading as per SOI aa

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

* Subjected to Verification of Lead

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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															
Pucka / Surface						Katcha						Loading & Unloading		Total
8.00 / 4.59	x	10.10	x	4.00 Km	= Rs 70.41	+ 8.00 / 4.59	x	24.30	x	0.00 Km	= Rs 0.00	+	Rs 105.12	=	Rs 175.53
UnSurface						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 Fright = 1.743 x Rs 277.57	For 1 MT		"B"	=	Rs 483.80
Gross Cost for Railway freight charge "A" + "B"	For 1 MT			=	[illegible]
	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															
Pucka / Surface						Katcha						Loading & Unloading		Total
8.00 / 4.99	x	10.10	x	4.00 Km	= Rs 64.77	+ 8.00 / 4.99	x	24.30	x	0.00 Km	= Rs 0.00	+	Rs 105.12	=	Rs 169.89
UnSurface						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

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 Seasion 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 Fright = 1.603 x Rs 357.57			**For 1 MT**			**"B"**	=	**Rs 573.25**
Gross Cost for Railway freight charge "A" + "B"			**For 1 MT**				=	**Rs 919.86**
			Add 12% Overhead Charge		=	12%	=	**Rs 109.90**
			Add 10% Contractor Profit		=	10%	=	**Rs 102.58**
Carriage Cost from Quarry to Karpurigram Railway Yard			**For 1 Cum**				=	**Rs 1128.34**

Analysis for Carrige 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)

Carriage Cost & Lead in Km												
Pucka / Surface					**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**

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	=	Rs 425.30
Busy Seasion charge 15% of Railway freight charge	=		For 1 MT		=	15%	=	Rs 63.80
Railway Development Charge to 5% of Railway freight Charge			For 1 MT		=	5%	=	Rs 21.27
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 590.37	x	0%				=	Rs 0.00
Total	=		**For 1 MT**				=	**Rs 590.37**
Rail Fright = 1.603 x Rs 590.37			**For 1 MT**			**"B"**	=	**Rs 946.48**
Gross Cost for Railway freight charge "A" + "B"			**For 1 MT**				=	**Rs 1389.09**
			Add 12% Overhead Charge		=	12%	=	**Rs 154.69**
			Add 10% Contractor Profit		=	10%	=	**Rs 144.38**
Carriage Cost from Quarry to Karpurigram Railway Yard			**For 1 Cum**				=	**Rs 1588.15**

Analysis for Carrige 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							
8.00 / 4.80	x 10.10	x 4.00 Km	= Rs 67.33	+ 8.00 / 4.80	x	24.30	x	0.00 Km	= Rs 0.00	+ Rs 105.12	=	Rs 172.45
UnSurface				8.00 / 4.80	x	12.10	x	1.00 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			= Rs 345.46				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 Fright = 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 Carrige 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							
8.00 / 6.00	x 10.10	x 4.00 Km	= Rs 53.87	+ 8.00 / 6.00	x	24.30	x	0.00 Km	= Rs 0.00	+ Rs 66.31	=	Rs 120.18
UnSurface				8.00 / 6.00	x	12.10	x	1.00 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			= Rs 214.39				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	= Rs 231.30
Busy Seasion 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 Fright =	1.333 x	Rs 357.57	**For 1 MT**			**"B"**	=	**Rs 476.75**
Gross Cost for Railway freight charge "A" + "B"			For 1 MT				=	[illegible]
			Add 12% Overhead Charge			=	12%	= **Rs 82.94**
			Add 10% Contractor Profit			=	10%	= **Rs 77.41**
Carriage Cost from Quarry to Karpurigram Railway Yard			**For 1 Cum**				=	**Rs 851.49**

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref 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**

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
			Haulage BY TRUCK				
4	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**				
			Truck 10 t capacity				
			Haulage with load	hour	0.40	934.30	373.72
			Empty return trip	hour	0.29	934.30	270.95
		b)	Overheads @ 12%				**77.36**
		c)	Contractor's profit @ 10% on (a+b)				**72.20**
			Cost for 100 t-km = a+b+c				794.23
			Rate per cum = (a+b+c) /100				**7.94**
			Rate Per Km.	**Cum**			**7.94**
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	hour	0.50	934.30	467.15
			Empty return trip	hour	0.33	934.30	308.32
		b)	Overheads @ 12%				**93.06**
		c)	Contractor's profit @ 10% on (a+b)				**86.85**
			Cost for 100 t-km = a+b+c				955.38
			Rate per cum = (a+b+c) /100				**9.55**
			Rate Per Km.	**Cum**			**9.55**
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	hour	1.00	934.30	934.30
			Empty return trip	hour	0.67	934.30	625.98
		b)	Overheads @ 12%				**187.23**
		c)	Contractor's profit @ 10% on (a+b)				**174.75**
			Cost for 100 t-km = a+b+c				1922.27
			Rate per cum = (a+b+c) /100				**19.22**
			Rate Per Km.	**Cum**			**19.22**
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		1 Min		
			ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		13 Min		
			iii) Maneuvering, reversing, dumping and turning for return		2 Min		
			iv) Waiting time, unforeseen contingencies etc		4 Min		
			Total		**20 Min**		

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
			a) Machinery				
			Tipper 5.5 tonnes capacity	hour	0.33	1183.00	390.39
			Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.33	1403.00	462.99
			Overheads @ 12%				102.41
			c) Contractor's profit @ 10% on (a+b)				95.58
			Cost for 5.5 cum = a+b+c				1051.36
			Rate per cum = (a+b+c)/ 5.5				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	day	0.11	321.00	35.31
			Mazdoor for loading and unloading	day	0.75	304.00	228.00
			b) Machinery				
			Tipper 5.5 tonne capacity	hour	0.75	1183.00	887.25
			Overheads @ 12%				138.07
			d) Contractor's profit @ 10% on (a+b+c)				128.86
			Cost for5.5 cum = a+b+c+d				1417.49
			Rate per cum = (a+b+c+d)/5.5				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	day	0.08	321.00	25.68
			Mazdoor for loading and unloading	day	2.00	304.00	608.00
			b) Machinery				
			Truck 10 tonne capacity	hour	2.00	934.30	1868.60
			Overheads @ 12%				300.27
			d) Contractor's profit @ 10% on (a+b+c)				280.26
			Cost for10 tonnes = a+b+c+d				3082.81
			Rate per tonnes = (a+b+c+d)/10				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	day	0.02	321.00	6.42
			Mazdoor (Unskilled)	day	0.50	304.00	152.00
		b)	**Machinery**				
			Truck	hour	0.50	934.30	467.15
		c)	Overheads @ 12%				**75.07**
		d)	Contractor's profit @ 10% on (a+b+c)				**70.06**
			Cost for 5.5 cum = a+b+c+d				770.70
			Rate per cum = (a+b+c+d) /5.5				**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	day	0.01	321.00	3.21
			Mazdoor (Unskilled)	day	0.25	304.00	76.00
		b)	**Machinery**				
			Truck	hour	0.25	934.30	233.58
		c)	Overheads @ 12%				**37.53**
		d)	Contractor's profit @ 10% on (a+b+c)				**35.03**
			Cost for 5.5 cum = a+b+c+d				385.35
			Rate per cum = (a+b+c+d) /5.5				**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				

Analysis of Rates (FORMAT F8)

Sl. No	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
			Unit = cum				
			Taking output = 5.5 cum				
		a)	**Labour**				
			Mate				
			Mazdoor (Unskilled)	day	0.01	321.00	3.21
		b)	**Machinery**	day	0.25	304.00	76.00
			Truck				
		c)	Overheads @ 12%	hour	0.25	934.30	233.58
		d)	Contractor's profit @ 10% on (a+b+c)				**37.53**
			Cost for 5.5 cum = a+b+c+d				**35.03**
			Rate per cum = (a+b+c+d) /5.5				385.35
							70.06
			Total Cost	**Cum**			**70.06**
			Total Loding & Unloading of Stone Aggregate	*Cum*	*= 140.13 + 70.06 =*		*210.19*
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**				
			Mate				
			Mazdoor (Unskilled)	day	0.01	321.00	1.61
		b)	**Machinery**	day	0.13	304.00	38.00
			Truck				
		c)	Overheads @ 12%	hour	0.17	934.30	155.09
		d)	Contractor's profit @ 10% on (a+b+c)				**23.36**
			Cost for 5.5 cum = a+b+c+d				**21.81**
			Rate per cum = (a+b+c+d) /5.5				239.87
							43.61
			Total Cost	**Cum**			**43.61**
			Total Loding & Unloading of Sand / Moorum	*Cum*	*= 70.06 + 43.61 =*		*113.67*
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**				
			Mate	day	0.01	321.00	3.21
			Mazdoor (Unskilled)	day	0.25	304.00	76.00
		b)	**Machinery**				
			Truck	hour	0.33	934.30	308.32
		c)	Overheads @ 12%				**46.50**
		d)	Contractor's profit @ 10% on (a+b+c)				**43.40**
			Cost for 2000 Nos. = a+b+c+d				477.44
			Rate for 1000 bricks = (a+b+c+d)/2				238.72
			Total Cost	**no.**			**238.72**
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**				
			Mate	day	0.01	321.00	3.21
			Mazdoor (Unskilled)	day	0.25	304.00	76.00
		b)	**Machinery**				
			Truck	hour	0.33	934.30	308.32
		c)	Overheads @ 12%				**46.50**
		d)	Contractor's profit @ 10% on (a+b+c)				**43.40**
			Cost for 2000 Nos. = a+b+c+d				477.44
			Rate for 1000 bricks = (a+b+c+d)/2				238.72
			Total Cost	**no.**			**238.72**
			Total Loding & Unloading of Brick Per 1000		*= 238.72 + 238.72 =*		*477.44*

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
16			**Loading and Unloading of Cement by Manual Means**				
		(i)	Loading 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 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		**Loading and Unloading of Structural Steel and Steel Bars by manual means**				
		(i)	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*

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
20	1.6		**Loading and Unloading of Bitumen Drums by Manual Means**				
		(i)	Loading of Bitumen Drums by manual means including a lead upto 30 m				
			Unit = t				
			Taking output = 10 t				
		a)	**Labour**				
			Mate				
			Mazdoor (Unskilled)	day	0.06	321.00	19.26
		b)	**Machinery**	day	1.60	304.00	486.40
			Truck				
		c)	Overheads @ 12%	hour	1.25	934.30	1167.88
		d)	Contractor's profit @ 10% on (a+b+c)				**200.82**
			Cost for 10 t = a+b+c+d				**187.44**
			Rate per tonnes = (a+b+c+d)/10				2061.80
							206.18
			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				
		a)	**Labour**				
			Mate				
			Mazdoor (Unskilled)	day	0.05	321.00	16.05
		b)	**Machinery**	day	1.20	304.00	364.80
			Truck				
		c)	Overheads @ 12%	hour	1.25	934.30	1167.88
		d)	Contractor's profit @ 10% on (a+b+c)				**185.85**
			Cost for 10 t = a+b+c+d				**173.46**
			Rate per t = (a+b+c+d)/10				1908.03
		Note :-	The rate is inclusive of the self weight of drum				**190.80**
			Total Cost	**t**			**190.80**
			Total Loding & Unloading of Bitumen Drums	***t***	***= 206.18 + 190.8 =***		***396.98***
22	1.9		**Loading and Unloading of Hume Pipes**				
		(i)	Loading of RCC Hume pipes by mechanical means including a lead upto 30 m				
		A.	**1000 / 1200 mm dia Hume pipe**				
			Unit = per pipe				
			Taking output = 9 pipes				
		a)	**Labour**				
			Mate				
			Mazdoor (Unskilled)	day	0.02	321.00	6.42
		b)	**Machinery**	day	0.50	304.00	152.00
			Truck				
			Crane	hour	0.33	934.30	308.32
		c)	Overheads @ 12%	hour	0.33	909.00	299.97
		d)	Contractor's profit @ 10% on (a+b+c)				**92.01**
			Cost for 9 pipes = a+b+c+d				**85.87**
			Rate per pipe = (a+b+c+d)/9				944.59
			Total Cost	**per p**			**104.95**
23		C.	**600/450 mm dia Hume pipe**				**104.95**
			Unit = per pipe				
			Taking output = 21 pipe				
		a)	**Labour**				
			Mate				
			Mazdoor (Unskilled)	day	0.02	321.00	6.42
		b)	**Machinery**	day	0.50	304.00	152.00
			Truck				
			Crane	hour	0.33	934.30	308.32
		c)	Overheads @ 12%	hour	0.33	909.00	299.97
		d)	Contractor's profit @ 10% on (a+b+c)				**92.01**
			Cost for 21 pipes = a+b+c+d				**85.87**
			Rate per pipe = (a+b+c+d)/21				944.59
			Total Cost	**per p**			**44.98**
24		(ii)	Unloading of RCC Hume pipe by mechanical means including a lead upto 30 m				**44.98**
		A.	**1000/1200 mm dia RCC Hume pipes**				
			Unit = per pipe				
			Taking output = 9 pipes				

Analysis of Rates (FORMAT F8)

S. No.	SOR Sl. No.	MORD Ref No.	DESCRIPTION	Units	Quantity	Rate	Amount in Rs
		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%				63.25
		d)	Contractor's profit @ 10% on (a+b+c)				59.03
			Cost for 9 pipes = a+b+c+d				649.36
			Rate per pipe = (a+b+c+d)/9				72.15
			Total Cost	**per p**			72.15
			Total Loding & Unloading of RCC Hume Pipe	*per Pipe*		*= 104.95 + 72.15 =*	*177.10*
25		C.	**600/450 mm dia Hume pipe**	m		*= 177.1 / 2.50 =*	*70.84*
			Unit = per pipe				
			Taking output = 21 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%				63.25
		d)	Contractor's profit @ 10% on (a+b+c)				59.03
			Cost for 21 pipes = a+b+c+d				649.36
			Rate per pipe = (a+b+c+d)/21				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	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,royality 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**
32	3.40	302 (A)	**Construction of Embankment with Material Obtained from Borrow Pits** Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a ***lead upto 1000 m*** as per Technical Specification Clause 301.5				
			Unit = cum				
			Taking output = 100 cum				
		a)	Labour	day	0.04	321.00	12.84
			Mate	day	1.00	304.00	304.00
			Mazdoor (Unskilled)				
		b)	Machinery	hour	1.67	2702.00	4512.34
			Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	4.50	1183.00	5323.50
			Tipper 5.5 cum with 10 t capacity				532.35
			Add 10 % of the cost of carriage by tipper				
		c)	Material	kl	12.00	40.00	480.00
			Water	cum	100.00	34.82	3482.00
			Compensation for earth taken from private land				2361.00
		d)	Overheads @ 12%				

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
		e)	Contractor's profit @ 10% on (a+b+c+d)				2203.60
			Cost for 100 cum = a+b+c+d+e				24239.58
			Rate per cum = (a+b+c+d+e)/100=				242.40
			Total Cost	**CUM**			**242.40**
35	4.10	401	**Granular Sub-base with Well Graded Material (Table 400.1)**				
			(By mix in place method) For Grading II Material				
			Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.				
		(ii)	**For Grading II Material**				
			Unit = cum				
			Taking output = 300 cum				
		a)	**Labour**				
			Mate	day	0.48	321.00	154.08
			Mazdoor (Skilled)	day	2.00	385.00	770.00
			Mazdoor (Unskilled)	day	10.00	304.00	3040.00
		b)	**Machinery**				
			Tractar mounted grader arrangement for grading @ 100 cum per hour	hour	12.00	573.20	6878.40
			Three wheel 80-100 kN static roller @ 10 cum per hour	hour	30.00	803.00	24090.00
			Tractor with Rotavator 25 cum per hour	hour	12.00	629.00	7548.00
			Water tanker 6 kl capacity	hour	5.00	907.00	4535.00
		c)	**Material**				
			Well graded granular sub-base material as per Table 400.1				
			26.5 mm to 9.5 mm @ 35 per cent	cum	134.40	595.36	80016.38
			9.5 mm to 2.36 mm @ 25 per cent	cum	96.00	506.92	48664.32
			2.36 mm below @ 40 per cent - Local Sand	cum	153.60	141.85	21788.16
			Water	kl	30.00	40.00	1200.00
		d)	Overheads @ 12%				23842.12
		e)	Contractor's profit @ 10% on (a+b+c+d)				22252.65
			Cost of GSB for 300 cum				**244779.11**
			A) Cost of GSB without carriage per cum	**cum**			**815.93**
		f)	***CARRIAGE***				
			Carriage for GSB material	Cum	0.768	1832.58	1407.42
			Carriage for material below 2.36 mm (Local Sand)	Cum	0.512	185.01	94.73
			Rate per cum with carriage				**2318.08**
			Total Cost	**CUM**			**2318.08**
46 (I)	9.30	1100	**Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row**				
			Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.				
		A.	**600 MM DIA**				
			Unit =m				
			Taking output =7.5 m				
			(3 pipes of 2.5 m length each)				
			a) Material				
			I) Sand at site	cum	0.02	185.01	4.44
			ii) Cement at site	ton	0.02	5118.72	92.14
			iii) RCC pipe NP 4 pipe including collar at site	m	7.50	2431.83	18238.73
			b) Labour				
			Mate	day	0.04	321.00	12.84
			Mason (1st class)	day	0.12	408.00	48.96
			Mazdoor (Unskilled)	day	0.96	304.00	291.84
			Overheads @ 20%				3737.79
			d)Contractor's profit @ 10% on (a+b+c)				2242.67
			Cost for 7.5m = (a+b+c)				*24669.40*
			Rate per m =(a+b+c)/7.5				3289.25
			Total Cost	**M**			**3289.25**

कार्यपालक अभियंता, ग्रामीण कार्य विभाग
कार्य प्रमंडल, दलसिंहसराय, समस्तीपुर

पत्रांक ....1967.... .दलसिंहसराय / दिनांक 26/11/2024

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दलसिंहसराय

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, तेघडा।

विषय– **एफ०डी०आर योजना के जांच के संबंध में।**

प्रसंग– **अभियंता प्रमुख ,ग्रामीण कार्य विभाग,बिहार पटना के ज्ञापांक –** 4589 **दिनाक -** 13/11/2024

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि निम्नलिखित योजनाओं की जांच आपके द्वारा किया जाना है जिसकी सूची प्राक्कलन सहित समर्पित की जाती है |

क्र० स०	योजना का नाम	प्रखंड	पथ की लम्बाइ	प्रा० राशि	अभियुक्ति
1	L079 to Panchayat Harijan Tola	Morwa	0.210	6.23300	
2	Chakdaulat to Akha Road Village road under Ujairpur	Ujiarpur	0.028	2.12000	
3	Nh 28 mazar satanpur to andaha	Ujiarpur	0.060	1.96526	
4	Angar Kerai Path to Angar Kerai(Lilji)	Ujiarpur	0.114	7.73800	
5	Rosera samastipur path to Mahaveer mandir ke nikat se Baijnathpur Bhola Roy Tola Tak	Ujiarpur	0.075	8.94000	
6	Samastipur-Ujjiyarpur-Sarairanjan Tajpur Path	Ujiarpur	0.450	13.01000	
7	Constriction of bridgeof size 8x24.75 m. on Budhi Gandak river of Mahthi village of Bibhutipur block in Samastipur Dist.	Bibhutipur	0.186	12.10000	
8	L045-LO43 to kerai (VR45)	Bibhutipur	0.205	11.44676	
9	L023-MDR TO3 to Mahti (VR23)	Bibhutipur	0.022	0.94548	
10	Samartha - Chandsurari-Surauli Road	Bibhutipur	1.248	15.33500	
11	Maheshpatti Babulal Chowk to Dhamua Road under Ujiyarpur block.	Ujiarpur	1.097	16.18400	
12	Kalyanpur Mahabir Temple - Mehsari	Bibhutipur	0.645	12.13000	
13	MMGSY to Sahni Tola	Dalsinghsarai	0.114	1.32100	
14	L052-nh to jitwarpur (VR52)	Sarairanjan	0.181	2.60535	
15	T04 to Yadav Tola	Morwa	0.102	2.27553	
16	L073-T06 to Maripur (VR73)	Morwa	0.060	1.02317	
17	NH 103 Halai Bajar to Malpur chauk Bhaya Rariyahi Bandey Hat Maricha path	Morwa	0.200	2.36921	
18	L042 to Dakshin Tola tak Sadak Nirman Karya	Sarairanjan	0.239	5.58181	
19	T03 to Nagargama West	Dalsinghsarai	0.111	3.90934	
20	T01 NH to Harijan Tola	Dalsinghsarai	0.106	6.13551	
21	L039-MDR to Harshankarpur (VR39)	Dalsinghsarai	0.168	7.94500	
22	L051-T05 to Madhipur (VR51)	Dalsinghsarai	0.025	2.95700	

23	Railway Gumti Raipur Belari path to Mushari	Ujiarpur	0.245	8.30782	
24	SH-103 Petroul Pump to Pachbheda Daddanpur RCD Path(Daddanpur More Chaklal Sahi NH-103 via Pacbheda Path)	Morwa	0.175	1.85146	
25	NH103 - Rampur	Sarairanjan	0.050	2.29068	
26	Lagma to Musapur Bahadurpur Amroli	Sarairanjan	1.900	17.83000	
27	L038 to Dakshin Tola	Sarairanjan	1.095	13.57350	
28	L036 To Dakshin Tola Bhadurpur Armaluli	Sarairanjan	1.200	5.93200	

विश्वासभाजन

16.11.2021

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल,दलसिंहसराय

अभियंता प्रमुख का कार्यालय
ग्रामीण कार्य विभाग, बिहार, पटना।

पत्रांकः– मु0अ0–4(मु0)विविध (कार्य)–23–291/2019-4589 दिनांक– 13/11/2021

प्रेषक– अशोक कुमार मिश्रा,
अभियंता प्रमुख

सेवा में,

अधीक्षण अभियंता,
सभी कार्य अंचल,
ग्रामीण कार्य विभाग।

विषयः– वर्ष 2021–22 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्य की जाँच के संबंध में।

महाशय,

वर्ष 2021–22 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्यों की शत् प्रतिशत जाँच अपने अंचल के अधीन असंबद्ध कार्यपालक अभियंता एवं उनके अधीनस्थ पदाधिकारियों के दल के माध्यम से सुनिश्चित की जाय। इस जाँच दल के गठन में यह ध्यान रखा जाय कि कार्यपालक अभियंता को जाँच हेतु आवंटित प्रमंडल परस्पर एक दूसरे के प्रमंडल के न हो। जाँच हेतु अंतिम तिथि 25/11/2021 निर्धारित है। इस तरह प्राप्त जाँच प्रतिवेदन भी अन्य सूचनाओं (यथा प्राक्कलन/मापी पुस्तिका की प्रति इत्यादि) की भाँति MIS पर Upload किया जायेगा, जिसके लिए MIS में किए गए प्रावधान के अनुसार अपना जाँच प्रतिवेदन Upload करना सुनिश्चित करें। साथ ही साथ पूर्ण पुनर्स्थापन कार्य हेतु भी DPR निर्माण का कार्य भी 25/11/2021 तक कराया जाए।

उपरोक्त का अनुपालन शत् प्रतिशत पथों के लिए सुनिश्चित किया जाय।

विश्वासभाजन

13/11/21

(अशोक कुमार मिश्रा)
अभियंता प्रमुख

ज्ञापांकः– मु0अ0–4(मु0)विविध (कार्य)–23–291/2019 4589 दिनांक 13/11/2021

प्रतिलिपिः– सभी कार्यपालक अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

13/11/21

अभियंता प्रमुख

ज्ञापांकः— मु0अ0—4(मु0)विविध (कार्य)—23—291/2019-4589 दिनांक 13/11/2021
प्रतिलिपिः— आई0टी0 नोडल, ग्रामीण कार्य विभाग को विभागीय वेवसाइट पर अपलोड करने हेतु प्रेषित।

13/11/21
अभियंता प्रमुख