

M/R UNDER 3054

GENERAL ABSTRACT OF COST

K:- KAHALGAON

District:- BHAGALPUR

th of Road:-- 1.400 KM

3 of Road:-- MURKATIYA CHOWK TO NH80 TAK PATH

No.	Item Of Work	Amount
	TOTAL COST OF CONSTRUCTION	18.471 Lacs
	LABOUR CESS @ 1%	0.185 Lacs
	GST@ 12%	2.216 Lacs
	Add Signiorage Fee @10%	0.487 Lacs
	AVERAGE COST PER KM	15.256 Lacs
	GRAND TOTAL (A+B)	21.359 Lacs

or Engineer

Asstt. Engineer

Executive Engineer

SE
RWD

Technically approved for Rs 21.359
(Rupees twenty one lakhs thirty five
nine hundred) only

certified copy.

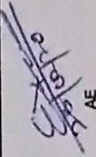
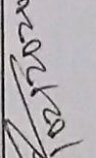
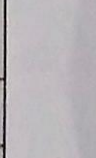
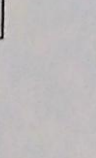
Superintending
Rural Works
Works Circle,

Superintending
Rural Works
Works Circle,

Sr. No.	SCS SL NO	MORD Ref. No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1	2.2	201 (I-A)	Cleaning and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	Ha	2	1,400.00	1,000		2,800.00		
2	3.14	303.1	Construction of Subgrade and Earthen Shoulders Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.						0.28	44,997.00	12599.16
			Existing BT Portion	Cum	2	1,400.00	0.700	0.300	588.00		
			For 1000 M Lead @ 100 %						588.00	160.68	94479.84
3	4.1	401	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS						A) SUB TOTAL OF CRUST =		107079.00
		(ii)	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.								
			Pot Measurement (Area As Per Annexure)	Cum		As per annexure			79.530		
4	4.7	405	Water Bound Macadam with Stone Screening Gr-II						79.530	1,102.17	87655.58
	(2-B)		WBM Grading 2 (By Mechanical Means) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform	Cum		As per annexure			47.490		
			Pot Measurement (Area As Per Annexure)	Cum					47.490	1,742.33	82743.25
5	4.7	405	WBM Grading 3 (By Mechanical Means) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform	Cum		As per annexure			106.560		
	(3-B)		Pot Measurement (Area As Per Annexure)	Cum					106.56	1,612.38	171815.21
			Net WBM -3 Qty						B) SUB TOTAL OF CRUST =		342214.04

[illegible]

SUB HEAD ROAD FURNITURES, KM STONES, TRAFFIC & DIRECTION SIGN, MMGSY LOGO									
Sl. No.	Particulars	Unit	Qty	Rate	Amount	Particulars	Unit	Qty	Rate
11	10.1 1700	Kilometre stone							
		Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and printing, etc as per drawing and technical specification clause 1703							
		i) 5th km stone	No	0					3,095.99
		j) 5th km stone	No	3					5,218.74
		k) 5th km stone	No	6					3,048.86
		ii) 200 m stone							
12	10.9 1700	Direction And Place Identification Signs With Size More Than 0.9 Sqm Size Board							
		Retro-reflectors Traffic Sign: Providing and erecting direction and place identification retro-reflectors sign as per IRC 67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.							
			Sqm	4					11,016.14
									42,301.98
13	10.2 1700	Retro-reflectors Traffic sign							
		Providing and fixing of retro-reflectors (caulinary, mandatory and informational sign as per IRC 67 made of high intensity grade sheeting vide clause 601.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing							
		i) 600 mm equilateral & triangle,	Nos	12.00					3,416.99
		ii) 600 mm circular	Nos	2.00					3,516.34
		iii) 600 mm x 450 mm rectangular,	Nos	4.00					3,387.22
14	10.1	Boundary Pillar/Guard Post							
		Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC 25, fixed in position including							
			Nos	8					452.91
									36,223.28
15	10.1	Printing New Letters and Figures Of Any Shade							
		Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per CM Height Per Letter							
									0.48
16	Ref to MoRTH Spec-307	Planting Of Trees And Their Maintenance For One Year							
		Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year							
			Each	1					819.92
									0.00
17	11.14	Half Brick circular tree guard							
		Half Brick circular tree guard, in 2nd class brick, internal diameter 1.25 meters, and height 1.2 meters, above ground and 0.20 meter below ground bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement 6 sand) and the intermediate courses being in dry honey comb masonry as per design complete							
			as per item 16) Each						0.00
18	10.8	Road Marking With Hot Applied Thermoplastic Compound With Reflectors Glass Beads On Bituminous Surface							
		Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm							
		At Edge For BT Portion	Sqm	2					18,719.20
									868.54
19	10.6	Providing and Fixing 'Logo' of Maintenance Project							
		Providing and fixing of typical MMGSY informational sign board with Logo as per MoRD specifications and drawing. Three MS Plates of 1.6 mm thick top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All MS will be slope enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1							
			No	2					8,236.88
									2.00
									8,236.88
									15,473.76
									31,949.74
									18,470.56.77

 AE
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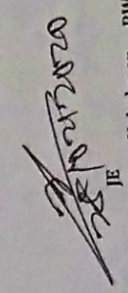
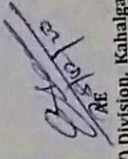
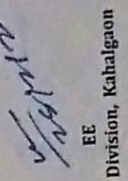
Analysis for Carriage by Road

Name of Road:- Murkatiya Chowk To NH-80 tak Path

District:-		Bhagalpur		Block :- Kahalgaon		Kathia		Loading & Unloading Cost	Carriage Cost by Rail Head	Total
Sl No	Item with Source	Unit	Source Up to	Pucka / Surface	Carriage Cost & Lead in Km					
1	Stone Metal Gr-I & Gr-II	Cum	Mirjachowki	8.00 x 7.47 x 28.00 Km = Rs 364.55	8.00 x 18.09 x 0.00 Km = Rs 0.00			192.13		Rs 556.68
2	Stone Metal Gr-III / GSB	Cum	Mirjachowki	8.00 x 7.47 x 28.00 Km = Rs 335.33	8.00 x 18.09 x 0.00 Km = Rs 0.00			192.13		Rs 527.46
3	Stone Aggregate / Chips	Cum	Mirjachowki	8.00 x 7.47 x 28.00 Km = Rs 335.33	8.00 x 18.09 x 0.00 Km = Rs 0.00			192.13		Rs 527.46
4	Stone Boulder	Cum	Mirjachowki	8.00 x 7.47 x 28.00 Km = Rs 348.60	8.00 x 18.09 x 0.00 Km = Rs 0.00			192.13		Rs 540.73
5	Course Sand	Cum	Hanwara	8.00 x 7.47 x 28.00 Km = Rs 335.33	8.00 x 18.09 x 0.00 Km = Rs 0.00			104.14		Rs 439.47
6	Binding Material/Moorum	Cum	Mirjachowki	8.00 x 7.47 x 28.00 Km = Rs 278.88	8.00 x 18.09 x 0.00 Km = Rs 0.00			104.14		Rs 383.02
7	Local Sand	Cum	Local	8.00 x 7.47 x 2.00 Km = Rs 23.95	8.00 x 18.09 x 1.00 Km = Rs 29.00			104.14		Rs 157.09
8	Brick	1000 Nos	Local	8.00 x 7.47 x 7.00 Km = Rs 209.16	8.00 x 18.09 x 1.00 Km = Rs 72.36			438.90		Rs 720.42
9	Cement	MT	Local	8.00 x 7.47 x 6.00 Km = Rs 44.82	8.00 x 18.09 x 0.00 Km = Rs 0.00			314.36		Rs 359.18
10	Steel	MT	Local	8.00 x 7.47 x 6.00 Km = Rs 44.82	8.00 x 18.09 x 0.00 Km = Rs 0.00			333.78		Rs 378.60
11	Bitumen Emulsion	MT	Fatua	8.00 x 7.47 x 250.00 Km = Rs 1867.50	8.00 x 18.09 x 0.00 Km = Rs 0.00			361.95		Rs 2229.45
12	Bitumen	MT	Barauni	8.00 x 7.47 x 167.00 Km = Rs 1247.49	8.00 x 18.09 x 0.00 Km = Rs 0.00			361.95		Rs 1609.44
13	Hume Pipe (1000 mm)	m	Godda	8.00 x 7.47 x 62.00 Km = Rs 370.51	8.00 x 18.09 x 0.00 Km = Rs 0.00			75.20		Rs 445.71
14	Hume Pipe (600 mm)	m	Godda	8.00 x 7.47 x 62.00 Km = Rs 148.20	8.00 x 18.09 x 0.00 Km = Rs 0.00			32.23		Rs 180.43
15	Hume Pipe (300 mm)	m	Godda	8.00 x 7.47 x 62.00 Km = Rs 61.75	8.00 x 18.09 x 0.00 Km = Rs 0.00			32.23		Rs 93.98

* Subjected to Verification of Lead

Cost of Haulage Excluding Loading & Unloading as per SO aa		Per Ton. Km by	
Type of Road	Per Ton. Km by Tipper	Truck	
For Surface Road	8.19	7.47	
Unsurface Gravel Road	9.85	8.99	
Kachhia Road	19.82	18.09	

 JE
 AE
 EE
RWD (W) Division, Kahalgaon RWD (W) Division, Kahalgaon RWD (W) Division, Kahalgaon