

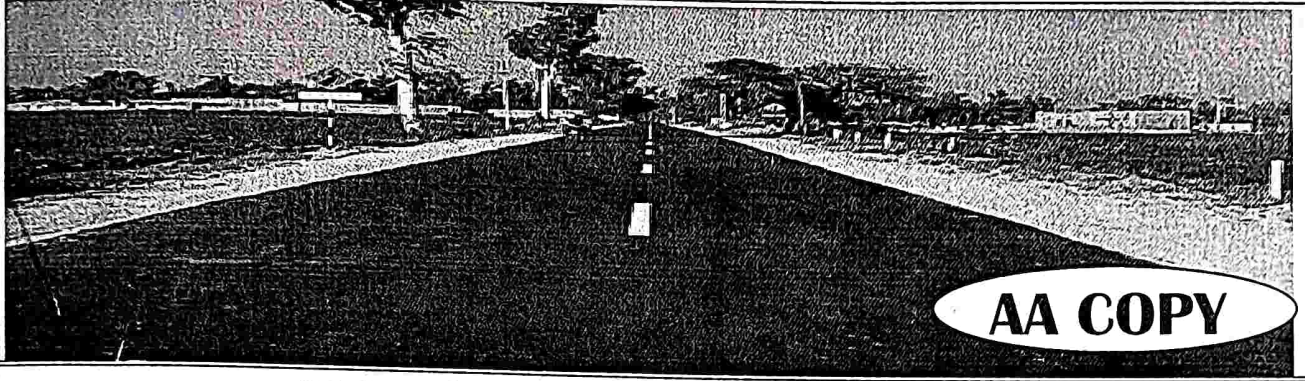


ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar



Mukhya Mantri Gram Sadak Unnayan Yojana (MMGSUY)



DETAILED PROJECT REPORT

STATE :-	Bihar	DISTRICT :-	Begusarai
DIVISION :-	Teghra	BLOCK :-	Bhagwanpur
NAME OF ROAD :-	Mananpur ward no7 To Sharma Tola		
TOTAL LENGTH OF ROAD.	=	0.350 Km	
TOTAL CONSTRUCTION LENGTH OF ROAD	=	0.350 Km	
TOTAL COST OF CONSTRUCTION.	=	Rs. 47.143 Lacs	
COST OF ROAD CONSTRUCTION PER KM	=	Rs. 134.694 Lacs	
TOTAL COST OF 6 YEAR OPERATION & MANAGEMENT (O&M).	=	Rs. 2.478 Lacs	
(CONTINGENCY @1% & ADMINISTRATIVE COST @2.25%)	=	Rs. 1.613 Lacs	
TOTAL PROJECT COST	=	Rs. 51.233 Lacs	
YEAR (2024 - 2025)			

Submitted By :-
Executive Engineer
RWD (w) Division, Teghra
Begusarai

Prepared By:
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Mukhya Mantri Gram Sadak Unnayan Yojana (MMGSUY)

GENERAL ABSTRACT OF COST

Block:-- Bhagwanpur

District:- Begusarai

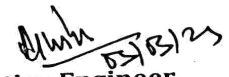
Construction Length Of Road:- 0.350 KM

Name Of Road:-- Mananpur ward no7 To Sharma Tola

SL. No.	Item of Work	Amount
1	INITIAL RECTIFICATION WORKS .	38.434 Lacs
2	5TH YEAR PERIODIC RENEWAL COST .	0.521 Lacs
	TOTAL ESTIMATED COST (1+2)	38.955 Lacs
	Labour Cess @1%	0.390 Lacs
	Add Seigniorage Fee @10%	0.607 Lacs
	Sub Total	39.951 Lacs
	GST @18%	7.191 Lacs
A	TOTAL CONSTRUCTION COST (INC GST, LC @ SEIGN. FEE) SAY "A"	47.143 Lacs
3	SIX YEARS OPERATION & MANAGEMENT (O&M) COSTS AFTER COMPLETION OF CONSTRUCTION .	2.067 Lacs
	Labour Cess @1%	0.021 Lacs
	Add Seigniorage Fee @10% .	0.012 Lacs
	Sub Total	2.100 Lacs
	GST @18%	0.378 Lacs
B	TOTAL OPERATION & MANAGEMENT COST (INC GST, LC @ SEIGN. FEE) SAY "B"	2.478 Lacs
	SUB TOTAL COST (A+B)	49.621 Lacs
C	EMERGENT & PRICE ADJUSTMENT COST @ 15% OF "C"	0.000 Lacs
D	Contingency @ 1% OF "C"	0.496 Lacs
E	Administrative Cost @ 2.25% OF "C"	1.116 Lacs
F	TOTAL PROJECT COST (C+D+E+F)	51.233 Lacs
G		


3-5-2025
Junior Engineer

Asstt. Engineer


Executive Engineer

SE
RWD

AA = 61.683 Lakh, Length - 0.350 Km, Vide letter No-365, Date- 14-2-2025

For T.S.

Const. Cost = 47.143 Lakh

6 year Maint. Cost = 2.478 Lakh

Admin. Cost = 1.116 Lakh

Contingency = 0.496 Lakh

Total Rs 51.233 Lakh

Technically Sanctioned for Rs 51.233 Lakh (fifty one lakh twenty three thousand three hundred) only


713 25
SUPERINTENDING ENGINEER
RURAL WORK DEPARTMENT
WORKS CIRCLE-BEGUSARAI


07.03.25

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

LINK ROUTE No.
NAME OF ROAD :

Mananpur ward no7 To Sharma Tola

DISTRICT
BLOCK
DIVISION
CONST. LENGTH OF ROAD (KM)
LENGTH OF BT PAVEMENT (M)
LENGTH OF CC PAVEMENT (M)
CD STRUCTURES
HUME PIPE
RCC SLAB CULVERT
BOX CELL CULVERT

Begusaral
Bhagwanpur
Teghra
0.350
0
350
1
0
0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-I	INITIAL RECTIFICATION WORKS.	
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING	0.076
2	EARTHWORK	0.333
3	GSB GR-II	1.483
4	WBM GRADE III	0.000
5	WMM GRADE III	1.942
6	PRIME COAT	0.000
7	PATCH WORK USING MSS	0.000
8	TACK COAT	0.000
9	BM	0.000
10	SDBC	0.000
11	Edging with 1st Class Bricks, Lald Dry Length wise.	0.000
12	Cement Concrete Pavement (PQC)	11.742
13	Interlocking Concrete Block Pavement	0.000
14	DRAIN	0.000
15	PROTECTION WORK	20.104
16	ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN, MAINTENANCE BOARD,ROAD SAFETY &PLANTATION OF TREES.	1.323
17	CROSS DRAINAGE STRUCTURES	
	HUME PIPE	1.431
	RCC	0.000
	BOX	0.000
	IRRIGATION PIPE (300 MM DIA)	0.000
	DISMANTLING OF CD	0.000
	REPAIR OF CD WORK	0.000
	SUB TOTAL OF INTIAL RECTIFICATION WORKS =	38.434
	5TH YEAR PERIODIC RENEWAL COST .	0.521
PART-II	TOTAL ESTIMATED COST (PART-I+PART-II)	38.955
PART-III	SIX YEARS OPERATION & MANAGEMENT (O&M) COSTS AFTER COMPLETION OF CONSTRUCTION	
	I st Year	0.418
	II nd Year	0.448
	III rd Year	0.426
	IV th Year	0.426
	VI th Year	0.173
	VII th Year	0.176
	SUB TOTAL OF =SIX YEARS OPERATION & MANAGEMENT (O&M)	2.067
	TOTAL COST (without GST, LC and SF) (PART-I+PART-II+PART-III)(IN LACS) =	41.022

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SL No.	SDB No.	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
			SUB HEAD : CC PAVEMENT								
10	4.1	401 (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.								
			In Washout Portion	Cum	1.00	150.00	3.75	0.100	56.25		
			For Paver Block (for 3.0m Ex CC Portion)	Cum	2.00	200.00	0.375	0.100	15.00		
			Add For Extra Widening On Curve	Cum	2%				1.13		
			Net GSB Qty						72.38	2,048.50	1,48,260.00
11	4.7 (3-B)	405	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.								
			In Washout Portion	Cum	1.00	150.00	3.75	0.075	42.19		
			Existing PCC Portion (Widening)	Cum	2.00	200.00	0.375	0.075	11.25		
			Add For Extra Widening On Curve	Cum	2%				1.069		
			Net WBM -3 Qty						54.51	3,563.18	1,94,215.00
11	6.4	1500	Cement Concrete Pavement (PCC) Construction of un-reinforced, plain cement concrete pavement (M35 Grade) over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form paver, spread, compacted and finished in a continuous operation including provision of 0.5 x 0.5 panel, joint filler, separation membrane, sealant primer, joint sealant, debonding strip as approved, curing compound, finishing to lines and grades as per drawing.								
			NEW (3.75 M)	Cum	1.00	350.00	3.75	0.125	164.06		
			In Profile & Pot Repair	Cum	5%	200.00	3.75	0.125	4.69		
			Add For Extra Widening On Curve	Cum	2%				3.281		
			Net Qty						172.03	6,825.41	11,74,167.00
			D) SUB TOTAL OF CC PAVEMENT								15,16,642.00
14	10.1	1700	SUB HEAD : ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN,MMGS&LOGO Kilometre stone Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703. i) 5th km stone	No.	0					4,963.84	0.00

Sl. No.	SDB No.	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs)
			ii) Km stone	No.	1					2,700.86	2,701.00
			iii) 200 m stone	No.	2					753.46	1,507.00
15	10.9	1700	Direction And Place Identification Signs With Size More Than 0.9 Sqm Size Board								
			Retro-reflectorised Traffic Signs Providing and erecting direction and place identification retro-\ reflectorised 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 M-15 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	1	1.20	0.80		0.96	13,550.17	13,008.16
16	10.2	1700	Retro-reflectorised Traffic Signs								
		300	Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 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 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801								
		i)	600 mm equilateral & triangle	Nos		2.00				4,058.42	8,116.84
		ii)	600 mm circular	Nos		0.00				4,006.43	0.00
		iii)	600 mm x 450 mm rectangular	Nos		2.00				3,871.67	7,743.34
		iv)	900 mm side octagon	Nos		0.00				8,038.61	0.00
17	10.1	1700	Boundary Pillar/Guard Post								
			Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704								
				Nos	6					660.18	3,961.08
18	10.1	1700	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 drawings and Technical Specification Clause 1701								
			Per Cm Height Per Letter			44.00	1.00		44.00	0.73	32.12
19	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		0.00	/	40.00	0.00	1,221.96	0.00
20	10.8	1700	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising 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 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.								
			At Edge For BT Portion	Sqm	2	0.00	0.100		0.00	644.04	0.00
			At Edge For Old CC Portion	Sqm	2	350.00	0.100		70.00	744.50	52,115.00

Providing and Fixing 'Logo' of MMGSUY Project

(1) Providing and Fixing 'Logo' of MMGSUY Project :- Providing and fixing of typical MMGSUY informative 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 M.S. will be stove 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.	4	4.00	10,787.62	43,150.00
Providing and Fixing 'Logo' of Maintenance Project						
				E) SUB-TOTAL OF ROAD FURNITURES =		1,32,334.54
				TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)		16,89,934.54

3-3-2025

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