



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR REPAIRING OF ROAD

F.D.R. PART - A (2024-25)

MRL11- T02 AMDABAD SOUTH TO BHAWANIPUR

DETAILED ESTIMATE OF F.D.R. REPAIRING ROAD

ROAD LENGTH	6.750 Km		
DISTRICT	KATIHAR		
BLOCK	AMDABAD		
DIVISION	MANIHARI		
TOTAL DAMAGE LENGTH OF ROAD	500.000	Mtr.	
TOTAL COST OF F.D.R. PART - A	Rs. 68.069	Lacs	

SUBMITTED BY
The Executive Engineer,
Works Division, Manihari

FDR.

Block:- Amdabad

Division - Manihari

Year - 2024-25

Road Name :- MRL11- T02 AMDABAD SOUTH TO BHAWANIPUR

S.N.	Description	Unit	Length (In Mtr.)	Width (In Mtr.)	Depth/ Height (In Mtr.)	Qty.	Rate (In Rs.)	Amount (In Rs.)
1	Empty Ciment Bags (Supply of EmptyCement Bag Capacity 1.2 CFT in Good condition And As per Specification)	No	-	-	-	0.00	6.00	0.00
2	100 mm Dia 6m to 8m Long	No	-	-	-	0.00	20.00	0.00
3	Brick Bats(Brick Bats of Well Burnt Bricks)	Cum	-	-	-	1903.46	915.00	1741665.90
4	Local Sand(As per Specification)	Cum	-	-	-	4994.12	128.00	639247.36
5	Kiln Rubbish(is Should be elean & Free from other impurities)	Cum	-	-	-	666.00	335.00	223110.00
6	Hume Pipe (NP3) 1000mm Dia(NP3 Rcc Hume Pipe)	Mtr.	-	-	-	30.00	2400.00	72000.00
7	Granular Sub Base material Gradding-ii(Granular Sub Base Material Gradding-ii as pre Specification)	Cum	-	-	-	0.00	1000.00	0.00
8	Unskilled Labour(8 hrs/ Day)	Hrs/ Day	-	-	-	2569.00	368.00	945392.00
9	Semi Skilled Labour(8 hrs/ Day)	Hrs/ Day	-	-	-		380.00	0.00
10	Skilled Labour(8 hrs/ Day)	Hrs/ Day	-	-	-	514.00	465.00	239010.00
11	Mason(8 hrs/ Day)	Hrs/ Day	-	-	-		450.00	0.00
12	Head Mason(8 hrs/ Day)	Hrs/ Day	-	-	-		500.00	0.00
13	Bhisti(8 hrs/ Day)	Hrs/ Day	-	-	-		365.00	0.00
14	Carpenter(8 hrs/ Day)	Hrs/ Day	-	-	-	0.00	445.00	0.00
15	Front End Loader 1.0 cum(Soil Loading/ Aggregate Loading) Cum/Hour 60/25	Per Hour	-	-	-	587.00	1290.00	757230.00
16	8-10 Ton smooth Wheeled(Compaction / Consolidation) Cum/hour 70/25	Per Hour	-	-	-	0.00	1448.00	0.00
17	Tractor With Trolley(Transportation of Material) Cum 3 to 5 ton	Ton / Trip	-	-	-	3531.00	620.00	2189220.00
18	Tipper(Transportation of Material) Cum 5.5	Per Day	-	-	-		1315.00	0.00
	Generator Set With Fuel(Grnaration of Electecal Energy) KVA 5	Per Day	-	-	-		245.00	0.00
Total Amount (In Rs.) =								6806875.26

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Technically sanction for Amount 6806,875⁰⁰
(Rupees sixty eight lac six thousand
eight hundred seventy five) only.

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अधीक्षक अभियंता
ग्रामीण कार्य विभाग,
कार्गुल अंचल, पूर्णियाँ।

MRL11- T02 AMDABAD SOUTH TO BHAWANIPUR

Sl. No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY
1	4.5		Brick Bats						
			Placing tractor at loading point loading with front end loader dumpong ,turning for return trip excluding time for haulage and return trip						1903.460
			C/O To Calculation Sheet						-10.690
			Less H.P. Qty. $(3.14) \times (1.23/2)^2$	Cum					1892.770
2	9.3 RCD	1100	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		4	7.50			30.000
				RM					30.000

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MRL11- T02 AMDABAD SOUTH TO BHAWANIPUR

ANNEXURE "B"

Sl. No.	Chainage At (Mtr.)	NO.	Length (in mt.)	Top Width (in mt.)	Avg. Top Width + Bottom Width) /2	Height (in mt.)	Qty. (in Cum)	Remarks
	50	1	70.00	(5.50+6.0+6.25+5.0)/4	(5.668+11.708)/2	(2.50+3.25+3.50+3.70+2.10)/5	1830.56	Sand
	3600	1	55.00	(4.50+5.20)/2	(4.850+8.50)/2	(3.50+4.20+3.20)/3	1333.89	Sand
						Total=	3164.45	
	50	1	70.00	(5.0+4.50+4.20)/3	(4.567+6.067)/2	(0.60+0.90)/2	279.14	
	400	1	20.00	(5.10+6.0)/2	(5.10+6.0)/2	(0.80+0.40)/2	66.60	
	1400	1	30.00	(5.50+4.80+4.0)/2	(5.50+4.80+4.0)/2	(2.50+2.0+0.70)/3	371.80	
	.	1	8.00	(1.20+1.30)/2	(1.20+1.30)/2	(0.70+0.90)/2	8.00	
		1	13.00	(1.0+1.30+1.50)/3	(1.0+1.30+1.50)/3	(0.60+0.70+0.500)/3	9.88	
		2	30.00	(1.30+1.50+1.0)/3	(1.30+1.50+1.0)/3	(0.80+1.20+0.60)/3	65.87	
		2	15.00	(1.0+1.30)/2	(1.0+1.30)/2	(0.60+0.70)/2	22.43	
	1500	1	12.00	(4.20+5.0)/2	(4.60+7.30)/2	(1.50+1.20)/2	96.39	
		1	17.00	(4.50+5.0)/2	(4.750+8.350)/2	(1.50+1.20+0.90)/2	200.43	

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ANNEXURE "B"

Sl. No.	Chainage At (Mtr.)	NO.	Length (in mt.)	Top Width (in mt.)	Avg. Top Width + Bottom Width) /2	Height (in mt.)	Qty. (in Cum)	Remarks
	1700	2	16.00	(1.20+1.25)/2	(1.20+1.25)/2	(1.0+0.90)/2	37.24	
		2	17.00	(1.10+0.90+0.80)/3	(1.10+0.90+0.80)/3	(1.20+0.60)/2	28.56	
	1800	2	19.00	(1.30+1.20)/2	(1.30+1.20)/2	(1.10+0.90)/2	47.50	
		2	14.00	(0.70+0.60)/2	(0.70+0.60)/2	(0.50+0.40)/2	8.19	
		1	15.00	(4.0+4.50)/2	(4.250+6.950)/2	(1.50+1.20)/2	113.40	
		1	5.00	(4.0+3.90)/2	(3.950+5.350)/2	(0.80+0.60)/2	16.28	
		1	36.00	(4.0+4.50)/2	(4.250+8.783)/2	(2.50+2.40+1.90)/3	531.75	
						Total	1903.46	

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