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ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

TS & AA COPY (For Emergent Situation)

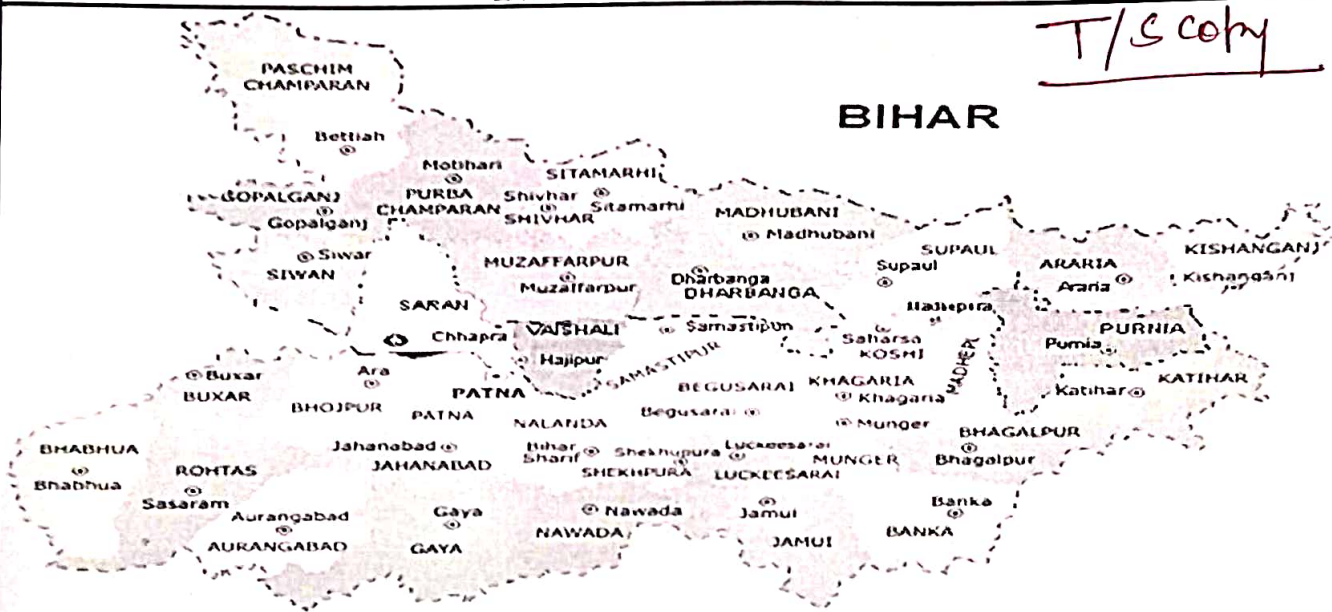
DETAILED PROJECT REPORT

UNDER FDR

AA - R 60.55840 Lac

YEAR-2020-21

T/S copy



Name of the Road :-

PERMANENT RESTORATION OF ROAD FROM NH-57 To Teliya Pokhar

DISTRICT	:	DARBHANGA	
DIVISION	:	DARBHANGA-2	
BLOCK	:	SINGHWARA	
ACTUAL LENGTH OF ROAD		0.500 ✓	KM
FLOOD AFFECTED LENGTH OF ROAD		0.450 ✓	KM
TOTAL COST OF PROJECT		61.164 ✓	Lac

SUBMITTED BY:-

EXECUTIVE ENGINEER
RWD (W) DIVISION DARBHANGA-2
DARBHANGA-2

UNDER FDR

(Year-2020-21)

GENERAL ABSTRACT OF COST

Location: SINGHWARA

District:- DARBHANGA

Length of Road:-- 0.500 KM

Work of Road:-- ~~PERMANENT RESTORATION OF ROAD FROM NH-57~~ To Teliya Pokhar

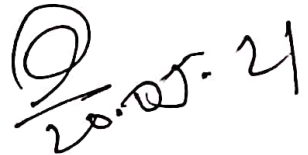
No.	Item of Work	Amount
	TOTAL COST OF CONSTRUCTION :	53.12822 Lacs
	Add GST @ 12% :	6.3754 Lacs
	Add Labour Cess @ 1% :	0.5313 Lacs
	Add Seigniorage Fee @ 10% on Material Cost only :	0.52354 Lacs
	TOTAL CONSTRUCTION COST INCLUDING GST, L.C & S.F. :	60.5584 Lacs
	CONTINGENCY @ 1% FOR CONSTRUCTION COST ONLY :	0.60558 Lacs
	TOTAL :	61.164 Lacs


Engineer

(W) Div. Darbhanga-2


20/05/2021

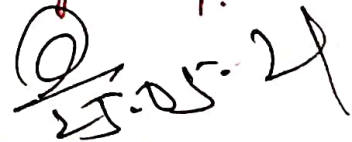
Asstt. Engineer
RWD(W) Div. Darbhanga-2


20.05.21

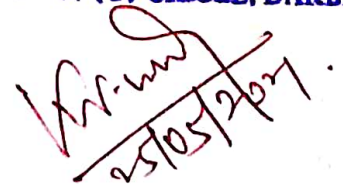
Executive Engineer
RWD(W) Div. Darbhanga-2

Technically sanctioned for Rs 60,55,840=00 (Rs Sixty lac
fifty five thousand eight hundred forty only.

SE
RWD(W) Circle Darbhanga


25.05.21

Superintending Engineer
R.W.D. (W) CIRCLE, DARBHANGA


25/05/2021

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : ~~PERMANENT RESTORATION OF ROAD FROM NH-57 To Teliya~~
DISTRICT Pokhar
BLOCK DARBHANGA
DIVISION SINGHWARA
LENGTH OF ROAD DARBHANGA-2
CD STRUCTURES 0.500 KM
HUME PIPE 0
RCC CULVERT 1
BOX CELL CULVERT 0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING	0.000
2	EARTHWORK	0.735
3	GSB	4.969
4	WBM GRADE III	4.724
5	PRIME COAT	0.000
6	TACK COAT	0.000
7	MIX SEAL SURFACING	0.000
8	SEAL COAT	0.000
9	CC PAVEMENT	19.820
10	HARD SHOULDER	1.073
	SUB TOTAL OF PAVEMENT COST IN LACS =	31.3198
11	CROSS DRAINAGE STRUCTURES	
I	HUME PIPE	0.000
II	RCC Culvert (1 x5 x2.5M)	15.757
III	BOX	0.000
IV	CAUSEWAY	0.000
V	PROTECTION WORK	6.051
	SUB TOTAL OF CD STRUCTURES COST IN LACS =	21.808
	SUB TOTAL COST OF PROJECT IN LACS =	53.128
	ADD GST @ 12 % =	6.375
	ADD LABOUR CESS @ 1 % =	0.531
	Add Seigniorage Fee @ 10% =	0.524
	TOTAL COST OF PROJECT INCLUDING GST, L.C & S.F. IN LACS =	60.558
	CONTINGENCY @ 1% FOR CONSTRUCTION COST ONLY =	0.606
	TOTAL =	61.164

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20.5.21
RWD(W) Div.
Darbhanga-2

RWD(W) Div. Darbhanga-2

RWD(W) Div. Darbhanga-2

Name of Road : PERMANENT RESTORATION OF ROAD FROM NH-57 To Teliya Pokhar											BLOCK : SINGHWARA		LENGTH : 0.500 KM	
Sl. No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH(m)	WIDTH(m)	HEIGHT(m)	QUANTITY(m³)	RATE(In ₹)	AMOUNT (In ₹)			
1	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.											
			Beside Flank (On Flood affected Portion)	Cum	2	450.00	1.375 Avg	0.250 Avg	309.38					
			For 1000 m lead @ 100 %						309.38	237.43	73,456.00			
									A) SUB TOTAL OF CRUST =			73,456.00		
2	4.1	401	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS											
		(ii)	Granular Sub-base with Well Graded Material (Table 400.1)											
			(By mix in place method) For Grading I Material											
			Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement 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.											
				Cum	1.00	450.00	3.750	0.100	168.75					
			Net GSB Qty						168.750	2,944.56	4,96,895.00			
2	4.7	405	WBM Grading 3 with screening Material (By Mechanical Means)											
	(3-B)		Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.											
	Chainage in M													
	From	To												
	0	450												
	Total Length=													
				Cum	1	450.00	3.750	0.075	126.56					
			Net WBM -3 Qty						126.560	3,732.32	4,72,362.00			
									B) SUB TOTAL OF CRUST =			9,69,257.00		

Name of Road : PERMANENT RESTORATION OF ROAD FROM NH-57 To Teliya Pokhar										BLOCK : SINGHWARA		LENGTH : 0.500 KM	
Sl. No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH(m)	WIDTH(m)	HEIGHT(m)	QUANTITY(m³)	RATE(In ₹)	AMOUNT (In ₹)		
3	6.4	1500	SUB HEAD : CC PAVEMENT										
			Cement Concrete Pavement										
			Construction of un-reinforced plain cement thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1501.2.2 M 30 grade coarse and fine aggregate maximum size of aggregate not exceeding 25mm, mixed in a concrete of not less than 0.2cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick plythene film, wedges, steel plates including levelling the formwork as per drawing) spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, admixtures as approved, curing of primer, sealant, dowel bars, near approaches to bridge/ culvert and construction joints, admixtures as approved, curing of concrete slab for 14 days curing compound (where specified) and water finishing to lines and grade as per drawing and Technical specification clause 1501.										
			On Flood affected portion (Details are as above mentioned)										
			Net Qty	cum	1	450.00	3.750	0.160	270.00				
4	4.18	412	Hard Shouldering						270.000	7,340.75	19,82,003.00		
			Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412										
			Hard Shouldering besides CC Portion	sqm	2.00	450.00	0.250		225.00				
			New Brick Area						225.00	476.72	1,07,262.00		
			C) SUB TOTAL OF CC PAVEMENT =									20,89,265.00	
			TOTAL COST OF PAVEMENT IN RS. (A+B+C)=									31,31,978.00	

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