

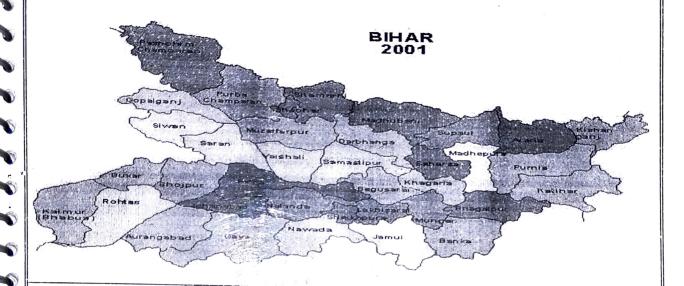
ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bibas

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

ESTIMATE FOR MOTORABLE OF ROAD FROM Restoration Of Flood Damage Portion Of Road From T05 To Baradih UNDER FDR AT BLOCK- Nokha IN Rohtas DISTRICT



DISTRICT :	Rohta		BLOCK :	Nokha
NAME OF ROAD:	Restoration Of Flood D Baradin	ama	ge Portion 0	f Road From T05 To
TOTAL LENGTH IN KM	1.	:	0.032	KMS .
TOTAL CONSTRUCTIO	N COST	:	12.882	Lakhs
TOTAL PROJECT COST	(INCLUDING GST & L.C)	:	14.557	Lakhs
	,			

SUBMITTED BY:

EXECUTIVE ENGINEER RWD (W) DIVISION, SASARAM-II ROHTAS

FDR

GENERAL ABSTRACT OF COST

Block:- Nokha

District:- Rohtas

Construction Length of Road:-- 2-138 KM

0.032

Name of Road:--

Restoration Of Flood Damage Portion Of Road From T05 To Baradih

SL. No		ltem of Work	Amount
A	TOTAL COST OF	CONSTRUCTION	: 12.882 La
	GST @12%		1.546 La
	LABOUR CESS @1	1%	0.129 La
		TOTAL PROJECT COST (A)	14.557 La

Junior Engineer

Asstt. Engineer

Executive Engineer

SE

RWD

Teernically appround for 14.557 Lac Deforteen be fifty thursand server Enotropy

ग्रामीण कार्य विभाग

कार्य अंचल, सासाराम्

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD:

Restoration Of Flood Damage Portion Of Road From T05 ${\rm To}$

Baradih

DISTRICT

Rohtas

BLOCK

Nokha

DIVISION

Sasaram-II

LENGTH OF ROAD

0.032 km

SI. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL	Land Control of the C
1	GSB GR-II	0.256
2	WBM GRADE II	0.256
3	WBM GRADE III	0.327
4	CC PAVEMENT	1.327
5	PROTECTION WORK	10.485
6	CROSS DRAINAGE	0.488
	SUB TOTAL OF INTIAL RECTIFICATION INDLUCDING SURFACE RENEWAL =	12.882
	AVERAGE COST PER KM (IN LACS) =	6.048
	SUB TOTAL(A) =	12.882
	12 % GST (B)	1.546
	1% LABOUR CESS ©	0.129
	TOTAL COST OF PROJECT (including GST & Labour Cess) IN LACS =	\ 14.557

RWD

RWD

RWD

DETAILED ESTIMATE

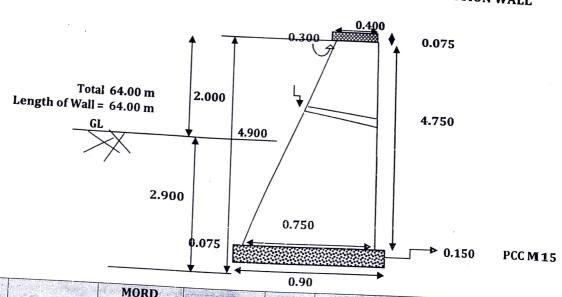
58,301.00	CRUST =	B) SUB TOTAL OF CRUST =	B) S								
32,704.00	9.000 3,633.730	9.000						Net WBM -3 Qty			
		9.000	0.075	3.75	32.00	h	1 Cum	For New PCC On Earthen Portion Cum			
		required density	acting to the	ng and compa	egate, waterin	coarse aggre	rstices of	applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	,		
		ade and camber,	to proper gr	N in stages	ler 80-100 ki	h wheel rol	th smoot	spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber,			s*
		ication including	adam specifi	bound maci	es to water	f specific siz	regates o	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including	_	(3-B)	
								5 WBM Grading 3 (By Mechanical Means)	405	4.7	2
25,597.00	12.000 2,133.070	12.000						Net GSB Qty			
		12.000	0.100	3.750	32.00	1	1 Cum	For New PCC On Earthen Portion Cum			
		Toller to	31100011	baccing with	use 401.	ification Cla	cal Spec	achieve the desired density, complete as per Technical Specification Clause 401			
		n layers with motor grader on	yers with m	uniform lay	preading in	material, sp	l graded ith rotav	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 rotayator at OMC and compacting with smooth wheel roller to		-	
							al		(E)		
).1)	able 400	1 Granular Sub-base with Well Graded Material (Table 400.1	401	4.1	1
							SIA	Sub Head: PAVEMENT LAYERS - GSB & WBM ITEMS			
AMOUNT (in Rs.)	RATE	QUANTITY	тнэгн	HTGIW	LENGTH	Nos	Unit	No Description	SL.No. SUB MORD SL.No. SL.No. Ref.No.	ST 18	31. NO

Dest 12/11/24

131110

						ω		SI. No.
						6.4		SI.No. SDB MORD SI.NO REINO
						1500		S), NO REINO
(2) Spec 24 15 11 24 15 11 24 15 11 24 15 11 12 15 11 15 15 15			Net Qty	For New PCC On Washout Portion cum	Construction of un-reinforcedplain cement thickness as perdesign, 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 exceding 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 less than 0.2cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel less than 0.2cum capacity and appropriate weigh batcher using approved including levelling the formwork as per drawing) spreading the concrete with shovels, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/ cuivert 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.	Cement Concrete Pavement	SUB HEAD : CC PAVEMENT	Description
				cum	erdesigrer maximer using film, we ising neurition journatures sperdra		-	Unit
				1.00	um size of a approved r approved r approved r edges steel edle, screed pints ,applyi s as approve s as approve s as approve s as approve s and T.			NOS
AE RWD	4			32.00	pared sub base pared sub base aggregate not ex iggregate not ex iggregate plaid plates including and plate vibral and plate vibral ing debonding sted, curing of colectnical specific			LENGTH
1.21	TO	D)		3.750	with 43 g ceding 25 in approlement in approlement in approlement in approlement in approlement in approximation change in approximation			HEGIM
	TOTAL COST OF PAVEMENT IN RS.=	D) SUB TOTAL OF CC PAVEMENT =		0.160	n 43 grade cement or any other type as ing 25mm, mixed in a concrete of not approved fixed side formwork (steel elling the formwork as per drawing) and finished in continuous operation s, primer, sealant, dowel bars, near te slab for 14 days curing compound n clause 1501.			н неснт
\ 2-7	PAVEMEN	OF CC PAVE	19.20	19.20	iny other type and concrete of non- reconcrete of non- remwork (steel strength of the control of the strength of the control of the control of the strength of the control of the cont			ATTENAND
EE RWD	T IN RS.=	MENT =	6,911.95		2 7 7			RATE
	1,91,010.00	1,32,709.00	1,32,709.00	-			fiss un	Типому

QUANTITY & COST ESTIMATE FOR CONSTRUCTION OF PROTECTION WALL



		-	0.90		MORD		
Amount	Rate (Rs)	Total Quantity	Unit	Description of Item	Specification s	SDB Sr. No.	Sr.No.
(Rs)		The Control of the Co	5	4	3	2	_1
8	7	6	3	-			
of shoring a	out, construction	on for structures .1 including setting ps and other deleter of sides and bottom ial.	al of stum dressing o	bracing, remove a lead of 50 m, excavated suita	1100 &300	9.1	1
		167.040		$64 \times 0.9 \times 2.9 =$			
49704.	297.56	167.040	cum				
en foundatio 802, 803, 12	in concrete in op fications Clause	5:5) concrete for pla and technical speci	1 15 (1:2.5 drawings	. F		11.4	2
				& 1203			
		8.64		$\frac{8}{64} \times 0.9 \times 0.15 =$			
41109.(4758.04						
41109.(4758.04	8.64 8.64 ement mortar (CI stering as per draw 2 & 1203	cum work in congand pla	64 x 0.9 x 0.15 = Brick masonry v xcluding pointir lauses 602, 603	1204 E	11.5 (ii)	3
41109.(4758.04	8.64 8.64 ement mortar (CI stering as per draw 2 & 1203	cum work in congand pla	64 x 0.9 x 0.15 = Brick masonry v xcluding pointing	1204 E	11.5 (ii)	3
41109.(4758.04 M 1:4) in founding and technica	8.64 8.64 ement mortar (CI stering as per draw 2 & 1203	cum work in congand pla	64 x 0.9 x 0.15 = Brick masonry v xcluding pointir lauses 602, 603	1204 E	11.5 (ii)	3
41109.0 ation comple l specification 889138.0	4758.04 M 1:4) in founding and technica 174.800 5086.60	8.64 8.64 8.64 Rement mortar (CI stering as per draw 2 & 1203 8.64 8.64 8.64 8.64 8.64 8.64 8.64 8.64	cum work in c ng and pla , 604, 120 / 2 x 4.75: cum ete for p	Brick masonry vacuating pointing lauses 602, 603 4 x (0.75 + 0.4) roviding concretection wall concreters.	1204 E e C G 6		3
41109.0 ation comple l specification 889138.0	4758.04 M 1:4) in founding and technica 174.800 5086.60	8.64 8.64 8.64 Rement mortar (CI stering as per draw 2 & 1203 8.64 8.64 8.64 8.64 8.64 8.64 8.64 8.64	cum work in c ng and pla , 604, 120 / 2 x 4.75: cum ete for p	Brick masonry valuding pointing lauses 602, 603 4 x (0.75 + 0.4)	1204 E e C G 6		3

Sr.No.	SDB Sr. No.	MORD Specification s	Description of Item	Unit	Total Quantity	Rate (Rs)	Amount
1	2	3	4	5			(Rs)
			-	5	6	7	8
5	12.9	900			in brick masonary		
			face complete a	s per drav	the structure with sl wing and technical sp	pecification	wards drawin
-				nos	460.00		
				nos	160.00	217.32	34771.0
6	12.3 (i)A	1300 & 2200	Diameter				
6	12.3 (i)A	1300 & 2200	Plastering wit l Technical Speci	h cement	160.00 mortar (1:4) on br		34771.00
6	12.3 (i)A		Plastering with Technical Speci 64 x (0.4 + 0.07	h cement			
6	12.3 (i)A		reclinical speci	h cement		rick work in sub-	
6	12.3 (i)A		reclinical speci	h cement ifications 5 + 2) =	mortar (1:4) on br	rick work in sub-	structure as pe

Cost of 64 m Protec

Protection Wall in Rs =

10,48,461.00

15/11/24 7 E

5-11-21 AG 1/3/11/2/

M/R UNDER 3054 Estimate for Irrigation Conduit Pipe

Restoration Of Flood Damage Portion Of Road From T05 To Block: Name of Road:

Nokha

Dietriet.	

Sr.		The second secon	[0.10] ANS 100 (1822)	District:	Rohtas	
No.	Item No	Description of item	Qty	Unit	Rate (Rs)	Amount
1.43	2	3	8	9	1840 1624	(Rs.)
1		Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:981997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.			10	11
1			10.00	RM	975.23	9,752.00
		No. of Row	5.00	No.	9,752.00	48,760.0
G096				3 00	\$39,000,000,000,000,000,000,000,000,000,0	CE1470-Residence (1500-160)