BIHAR RURAL ROAD DEVELOPMENT AGENCY (BRRDA) DETAILED PROJECT REPORT OF MMGSY ROAD(BRICS)



DISTRICT :-

PURBA CHAMPARAN

BLOCK :-

CHAURADANO

ROAD NAME:

PWD Path Narayan Chowk TO Pakariya Ghat

	PACKAGE NO. :	CNC	CPL NO. :-	0
The state of the s	NEW CONNECTIVITY	The state of the s	LINK No.	- L048
TOTAL LE	NGTH			
TOTAL CO	NSTRUCTION LENGTH	:	6.500	KM
1	F RIGID PAVEMENT	;	6.500	KM
	F FLIXIBLE PAVEMENT	:	1.300	KM
1	ST OF PAVEMENT	:	5.200	KM
NO. OF C.I		:	220.443	LAKH
1	C.D. WORKS	. :	3.000	NOS
-		:	15.293	LAKH
COST OF C		:	2.353	LAKH
GST @ 12	ANCE COST	:	53.726	LAKH
		:	34.736	LAKH
LABOUR C		:	2.895	LAKH
	CY @ 2.25%	:	5.994	LAKH
1	OTAL COST		333.086	LAKH
COST / KM	alterior per de autorior de facilitate de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de la companya del la companya del la companya de la companya de la companya del la compa	:	40.982	LAKH

PREPARED BY

SUPERSTAR DESIGNER PVT. LTD.

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DETAILED ESTIMATE FOR PAVEMENT

SI		DB M	MORI		Unit	NO5	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
`				A.C. Inc. California Control of C								(111162)
9		.7 4 -A)	105	WBM Grading 3 (By Machnical Means) Providing, laying, spreading and compacting stone aggregations.	tes of sp	ecific siz	es to water b	ound macad	lam specifica	ation including		1
	(3	-11)		spreading in uniform thickness, hand packing, rolling with si	mooth v	vheel rol	ler 80-100 kN	I in stages to	proper grad	le and camber,		
				applying and brooming, stone screening to fill-up the inter-	stices of	coarse a	iggrepate, wa	tering and c	compacting t	o the required		1
				density Grading 3 as per Technical Specification Clause 405.	Cum	1.00	1,700.00	3.75	0.075	478.13		
-				For Bituminous Pavement (BT) For Cement Concrete Pavement (CC)	Cum	1.00	0.00	3.75	0.075	0.00		
		Add	for	extra for Profile Correction in pot mesurment (0%)	Cum	0%	4,000.00	0.7.0		439.86		
		Add	101	Add for extra widening on curve (1%)						4.78		
				Net WBM -3 Qty						922.77	3,426.69	31,62,047,00
										C) SUB TOTAL (F CRUST =	97.81,318.00
				SUB HEAD: BITUMINOUS ITEMS								
10	5.1	50	02	Prime Coat (Low porosity)								
		(1	1)	Providing and applying primer coat with Bitumen emulsion	in (SS-1)	on pre	pared surface	e of granula	r base inclu	ding cleaning of		
				road surface and spraying primer at the rate of 0.90- 1.2 kg 502.	g/sqm u	sing med	chanical mear	ns as per Te	echnical Spe	cification Clause		
1				Prime coat on earthen portion	Sqm	1.00	1,700.00	3.75		6,375.00		-
				Prime coat on pot Repair	Sqm					5,864.80		
				Add for extra widening on curve (1%)	Sqm					63.75		
1				Net Area	Sqm					12,303.55	41.27	10776800
11	5.2	50	3	Tack Coat								
			I	Providing and applying tack coat with bitumen emulsion u	sing em	ulsion p	ressure distr	ibutor at th	e rate of 0.2	25 to 0.30 kg per		
				som on the prepared granular surface tretaed with Primer a	ind clen	ed with	hydriloc brod	om as per te	chnical spe	cification aclouse		
					C	1.00	T 200 00	2.75		10 500 00		
				Add for extra widening on curve (1%)	Sqm	1.00	5,200.00	3.75		19,500.00		
		•		Net Area	•					195.00		73 110 72736 6343
10	۲.0	500			sqiii					19,695.00	14.00	2,737,730,00
12	5.8	508		1ix Seal Surfacing								
			C	roviding, laying and rolling of close-graded premix surfact	ing mate	erial of 2	20 mm thick	ness compo	sed of 13.2	2 mm to 0.9 mm		
			D	Type-B) aggregates using penetration grade bitumen to rec repared base, including mixing in a suitable plant, laying	pured n	ne, grad	e and level to) serve as w	earing cour	se on a previously		
			re	equired level and grades as per Technical Specification Clau	se 509	ing with	i a turce was	eei 8-10 KN	static rolle	r and finishing to		
					Sgm	1.00	5,200.00	3.75		19,500.00)	
				Add for extra widening on curve (1%)	Sqm					195.00)	
				Net Area	Sqm					19,695.00	198.68	30.13.002.00
-				,				D	SUBTOT	AL OF BITUMIN	NOUD ITEM =	45,96,501.00

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15	اسر الب	13	SI.
4.18		4.1 (A)	SDB
412		401 (ii)	MORD
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 in Village sqm 2.00 500.00 0.500 500.00 Less Old Brick Area sqm 0% 4,000.00 2.500 500.00		SUB HEAD: CC PAVEMENT Granular Sub-base with Well Graded Material (Table For Grading I Material (By mix in place method) For Grading I Material (By mix in place method) For Grading I Material (By mix in place method) For Grading I Material (By mix in place method) For Grading I Material Grading by mix in place method achieve the desired density, complete as per Technic GSB in Earthen Portion GSB in Widening FOT Measurment Add for extra widening on curve (1%) Net GSB Qty. Required form Grading I Material	Description
on end c i mm thi al Specii sqm	esign, oregate neigh bat eigh bat hick a thick action acti	material material ethod wi ral Specifical Specificum Cum Cum Cum	Umit
edging actick layer fication (2.00	wer a proceed when we have the phythene was, common expanded constant of the finish	, spreadi th rotava ication C L00 2.00	NOS
cording to lin of earth over lause 412 500.00 4,000.00	epared sub batesize of aggreing approved in film, wedges pacted using a protection, construction, construction joint atruction lines at 500.00	ng in uniform ator at OMC, a lause 401. 0.00 500.00 4,000.00	LENGTH
es, graded and cross-section brick soling, watering and r 0.500 2.500	ase with 43 grade coment or any other egate not exceding 25mm, mixed in a mix design laid in approved fixed sides, steel plates including levelling the needle, screed and plate vibrators and ution joints, applying debonding strips its, admixtures as approved, curing of all grade as per drawing and Technical 3.75 0.160 3.00.00 3.00	n layers with tractor mounted grader and compacting with smooth wheel 3.75 0.100 187.5 0.00 1.875 0.100 187.5 1.89.3	WIDTH HEIGHT QUANTITY
shown on olling the 500.00 0.00 500.00	my other ixed in a fixed side of side of side of the ators and ing strips of the curing of the thing of the t	grader wheel 0.00 187.50 0.00 1.88 1.89.38	410
503.13	7,374.52	3,101.32	RATE
	27, 44 480 PA	58 73 78 8 8	(in test)
And the second s			

DETAILED ESTIMATE FOR PAVEMENT

19		18		-	17		16	No.
8.13 RCD		10.2			10.1		8.29	SDB . SL.NO
803 300 ii)	300 ii) iv)	1700			1700			MORD Ref.No
Road Marking with Hot Applied TI Surface Providing and laying of hot applied thermore, thickness of 2.5 mm is exclusive of siree from streaks and holes. Road Marking On BT Road Marking On CC	Providing and fixing of retro- reflectorised cautionary, mandat grade sheeting vide clause 801.3. fixed over aluminium sheeting 75 mm x 6 mm firmly fixed to the ground by means of properly cm x 60 cm, 60 cm below ground level, as per approved drawing, 600 mm equilateral & triangle, No. 600 mm circular , No. 800 mm x 600 mm rectangular, No. 800 mm x 450 mm rectangular, No.		ii) Km stone iii) 200 m stone	Reinforced cement concrete M15 grade kilometre local stone of standar and printing, etc as per drawing and technical specification clause 1703. i) 5th km stone No. 1.	100000		Irrigation Conduit Cable Duct Across the Road: Providing and laying of a reinforced ceme construction), extending from drain to drain in cuts and toe of slope to providing a minimum fill of granular material over top and sides of RCC granular material free of rock pieces, outer to outer distance of pine at le double and triple row ducts, joints to be made leak proof, invert level entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.	960000
Surface 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. Road Marking On BT Road Marking On CC Sqm 2 5200.00 0.100 to 100.00 Sqm 2 500.00 0.100 Sqm 2 500.00 0.100	ory and informatory sign (1.5 mm thick supported designed foundation with 38 23.00 as 14.00 as 14.00 as 14.00			rd design asper IR 00		M 2.3 7.50	ont concr toe of sle pipe as p ast half o	Unit NOS LENGTH WIDTH
Glass Beads on Bituminous mg glass beads @ 250 gms per sqm 2d surface to be level, uniform and 0.100 1040,00 0.100 100,00	i as per IRC:67 made of high intensity on a mild steel angle iron post 75 mm x M15 grade cement concrete 45 cm x 45			C:8 fixing in position including painting.	MGSY LOGO	E) SUB TOTAL OF CC PAVEMENT	800 mm dia, across the road (new structing head walls at both ends, bedded on a 0.3 m thick layer of set to minimum 450 mm in case of her than ground level to prevent	TH HEIGHT QUANTITY
735.40 834.62	3.602.52 4.828.19 6.729.12 1.702.72		2,402.15	8,957.26		1.642.14 ZEMENT =		RATE
261816.00 00-918192	9, 83, 83, 83, 83, 83, 83, 83, 83, 83, 83		16,817 (1)			33.56.792.00		AMOUNT (in Red)