

ग्रामीण कार्य विभाग

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

(MMGSY)-SC

F.D.R

YEAR (2019 - 2020)

Detailed Flood Damaged Report for the **New Construction of Road From** Athagama Basa RWD Road To Bhawanipur Basa

BIHAR STATE

DISTRICT Madhepura

Alamnagar BLOCK

Actual Length of Road :-2.020Km.

Flood Affected Length of Road :-

Total Restoration Cost of Pavement

SUBMITTED BY:

EXECUTIVE ENGINEER RWD (w) DIVISION

UDAKISHANGANJ

प्रतिवेदनः-

प्रस्तुत प्राक्कलन पथ:— अठंगामा बासा RWD पथ से मवानीपुर बासा जिसकी लंम्बाई—2.020 कि0मी0 है। MMGSY-SC योजनान्तर्गत निर्माण की प्रक्रिया में है। यह पथ श्री चंदन कुमार सिंह, उदािकशुनगंज को आवंटित है। फलेश बारीश एवं कोसी नदी का बाढ़ का पानी अचानक अत्यधिक वृद्धि हो जाने से सड़क पर पानी का तेज बहाव हो गया जिससे पथ अतिक्षतिग्रस्त हो गया था। पथ के 0.985 कि0मी0 से 2.020 कि0मी0 में इम्बेकमेंट में किए गए मिट्टी का कार्य जो बहाव में बह गया एवं पथ में किए गऐ GSB एवं WBM Grade-III अतिक्षतिग्रस्त हो गया था। स्वतंत्र अभियंता का जाँच Report साथ में संलग्न है। उपर्युक्त पथ में क्षतिग्रस्त भाग की मरम्मति कार्य हेतु प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि कुल 11.182 लाख है स्वीकृति हेतु समर्पित की जाती है।

कनीय अभियता ग्रामीण कार्य विभाग कार्य प्रशाखा आलमनगर।

सहायक अभियंता ग्रामीण कार्य विभाग कार्य अवर प्रमंडल आलमनगर। कार्यपालक अभियंता ग्रामीण कार्य विभाग कार्य प्रमंडल उदाकिशुनगंज।

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD:

Athagama Basa RWD Road To Bhawanipur Basa

DISTRICT

Madhepura

BLOCK

Alamnagar

Actual Length of Road

2.020Km.

Flood affected Bituminous Length of

0.395Km.

Road

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	EARTHWORK	3.865
2	GSB	5.007
3	WBM GR-III	2.309
	TOTAL COST OF PROJECT IN LACS =	11.182

Junior Engineer

RWD (w) Division

Udakishanganj

Assistant Engineer RWD (w) Division Udakishanganj

Executive Engineer RWD (w) Division Udakishanganj

										Sheet-A
					ation Sh					
	American		1	f Road:-	The second secon	Basa RWD Ro		hawa		
	Actual Len	gth of Road:- Block:-	2000		Flood Dama	ged Length of Ro	strict:-	+	8.335	15.171
A. Fa	rthwork		Alamnagar			Di	strict:-		Madhe	pura
S.no.	Cha	inage	Present Status of Road		C	imension of Was	hout portio	on	Te	otal Qty (m3)
	From	To	Washout	Unit	Nos	Length (m)	Width(m) 1	Ht(m)	
1	1100	1175	shoulder	Cum	2	75.00	1.750 (a	,	2.100	551.2500
2	1225	1250	shoulder	Cum	2	25.00	1.500 (a	-	1.750	131.2500
3	1400	1530	shoulder	Cum	2	130.00	1.125 (a	,	2.250	658.125
3	1650	1665	shoulder	Cum	2	15.00	1.700 (a	-/	2.500	127.500
3	1850	1900	shoulder	Cum	2	50.00	1.125 (a	.,	2.100	236.250
3	1950	2050	shoulder	Cum	2	100.00	1.500 (a		2.500	750.000
			Total Qty.=	Cum		395.00		10	tal Qty.=	2454.38
	nular Sul	Base:-								- (==
S.no.	From	To	Washout	Unit	Nos	Length(m)	Width(Ht(m)	Qty(m3)
1	1120	1175	GSB	Cum	1	55.00		av)	0.200	27.500
2	1225	1250	GSB	Cum	1	25.00	4.05 (av)	0.200	20.250
3	1400	1415	GSB	Cum	1	15.00	3.10 (av)	0.200	9.300
4	1500	1530	GSB	Cum	1	30.00	4.05	(av)	0.200	24.300
5	1650	1665	GSB	Cum	1	15.00	2.75	(av)	0.200	8.250
6	1875	1900	GSB	Cum	1	25.00	4.05	(av)	0.200	20.250
7	1950	2025	GSB	Cum	1	75.00	3.00	(av)	0.200	45.000
	11340		MALE TO STATE			240.00		1	Total Qty.=	154.850
WBN	1 Gr-III:-				16-12					
.no.	From	To	Washout	Unit	Nos	Length (m)	Width	n(m)	Ht(m)	Qty(m3)
1	1120	1175	Gr-III	Cum	1	55.00	2.50	(av)	0.075	10.313
2	1225	1250	Gr-III	Cum	1	25.00	3.75	(av)	0.075	7.031
3	1400	1415	Gr-III	Cum	1	15.00	3.10	(av)	0.075	3.488
4	1500	1530	Gr-III	Cum	1	30.00	3.75	(av)	0.075	8.438
		1665	Gr-III	Cum	1	15.00	2.75	(av)	0.075	3.094
5	1650		Gr-III	Cum	1	25.00	3.75	(av)	0.075	7.03:
5	1875	1900	Gr-III	Cum	1	75.00	3.00	(av)	0.075	
	1950	2025	Ol-III	Culli	1	240.00	5.00	1	Total Qt	

Junior Engineer RWD(W) Div. Udakishanganj

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Assistant Engineer RWD(W) Div. Udakishanganj

Executive Engineer RWD(W) Div. Udakishanganj

1			COST ESTIMATE FOR PERM					OF ROAL)		
Nar	ne of R	load:-	Athagama Basa RWD Road To Bhawar		_						
	Block	C-	Alamnagar					Distr Flood Affected	ct Length of	Madh	
Actu	al Length	of Road	2.020Km.					Roa		0.395	
Sl. No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH (m)	Width Ht./Th (m) (m)	QTY in Cum	RATE	A	(in Rs.)
			SUB HEA Construction of embankment with approved							-	
			with a lift upto 1.5 m, transporting to site, spr compacting to meet requirement of Tables 30 m as per Technical Specification Clause 301.5	0.1 ar	nd 300	0.2 With a	lead upto 10	00	-	+	
- 1				Cum		As per E/	W Qty sheet	2,454.31	30 15	7.47	3,86,491.22
-			For 1000 m lead	Cun	1		4) 511	B TOTAL EA		RK =	3,86,491.22
			SUB HEAD : PAVEM								
		(II) (Granular Sub-base with Well Graded Mater By mix in place method) For Grading I Material Construction of granular sub-base by provide inform layers with tractor mounted grader arm ix in place method with rotavator at OMC, and thieve the desired density, complete as per Technieve the	ng w	ell gr	raded mate	terial, spreadi ed surface, mix ooth wheel r	ng in			

18/12/19 5/2 Distark

E.E

FORMA				ork	load W	for R	ate	Cost Estima			
(in Rs.)	RATE	YTY in Cum	Ht./Th. (m)		LENGTH (m)	NOS	Unit		MORD Ref.No	SDB SL.NO	Sl. No.
			packing, camber, ggregate,	s, hand de and oarse ag	oroper gra stices of c	inifornes to periode inters	ng in u in stag up the	WBM Grading 3 (By Manual Means) Providing, laying, spreading and compacting ston bound macadam specification including spreadin rolling with smooth wheel roller 80-100 kN in applying and brooming, stone screening to fill- watering and compacting to the required density	405	4.7 (3-A)	6
		56.269			Cal. As p			In full width WBM Qty. Required			
2,30,944.39	4,104.31	56.269	3M -3 Qt	Net WE							
7,31,690.58	F CRUST =	B TOTAL O	B) S		-						
11,18,181.80		EMENT IN		AL COS	TOT						
11,18,181.8	ount Rs.=										

Junior Engineer RWD (w) Division Udakishanganj Aasistant Engineer RWD (w) Division Udakishanganj Executive Engineer

RWD (W) Division, Saharsa

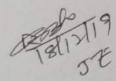
Udakishangani

H	_	_	Name of Road	1:-	Athagama Bh	Basa RWD R	PARATIVE oad To	SIAIEM		Length:-		2.020KM			\Box	
H			Block	CI-		Alamnagar	a	Flood	Damaged L	ength of		1.200KM			H	
-	1 60	. 3	Distric	tr-		Madhepura				Road:-		1.200KM			+	1
S. No.	SDB Sr. No.	MORD Ref. No	Item of Work	Unit		As per Agreer	nent	Work Alread	y Done(As MB)	Work done	available Flood		maged due Flood	Total	Res	1
1	1	0			Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.	Qty.	Amount (Rs	A Depoint	mrks	1
			Setting Out Pillars :- Providing	+	3		4	5	6	7	8	9	10	11	1	12
1			&Fixing of Working benchmark pillars 01 nos. Per km &04 nos. of reference pillars required for 1 KM .as per drawings &direction of E/I			in sun										1
			Construction of Refrence working benchmark	Nos	3.000	4504.63	13513.89	3.00	13513.89	0.000	0	0.0	0.0	0 0	.00	
			Construction of Refrence illars/Burjees	Nos	8.000	2064.17	16513.36	8.00	16513.36	0.000	0	0.0	0.	00	0.00	1
		Li Cl La ind ve ,sh girl stu & mat	learing and Grubbing Road and learing and Grubbing Road and (By manual means) cluding uprooting wild getation , grass ,bushes arubs , saplings and trees of th upto 300mm , removals of mps of such trees cut earlier disposal of unserviceable terials & stacking of viceable materials to be used uptioned upto a lead of 1000	Hect.	1.410	50148.62	70709.55	1.41	70709.5	5 0.00	0	0	0.00	0.00	0.00	0
	E U	Box Exca Ising of cu with	Cutting avation for roadway in soil g manual means for carring at earth to embankment site	Cum	57.750	77.70	4487.18	57.75	4487.	18 0.	.000	0	0.00	0.00		0.0

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1		8		Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.	Oty. A	mount (Rs.)	0 K
	4	Construction of Embankmen with Material obtained from Roadway cutting Construction of embankmen with approved materials deposited at site from roadwa cutting and excavation from drain and foundation of othe structures graded and compacted to meet equirement.	t Cun	34.650	27.30	945.95	34.65	945,95	0.000	0	0.00	0.00	0.00
5		Construction of Embankment with material obtained from			1112 1111								
		borrow pits with a lift upto 1.5 r, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 100 m as per Technical Specification Clause 301.5 . (Including Royality & Labour Cess).		5385.700	111.25	599159.13	2637.00	293366.25	0.000	0	0.00	0.00	0.00
6	3 00	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification clause 301.5. (Including to yality & Labour Cess).		1218.500	155.23	189147.76	853.00	132411.1	9 0.00	0.0	00	0.000	0.00 0.00



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| S | S | Qty | Rate | Amt. | Qty | Amt. | Qty | Amt. | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | S | Qty | Amount (Rs.) | S | Qty | Amount

7	1			Qty	Rate	Amt.	City		-				-	-
		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 & 100 m as per Technical Specification Clause 303.1. (Including Royality & Labour Cess).	Cum	3691.920	157.47	581366.64	966.48	152191.61	2454,380	386491.219	2454.3	386491.22	386491.	22
	i a v	Granular Sub-base with Well Graded Material (Table 400.1)(With coarse sand):-Construction of granular sub-base by providing well graded material, spreading in uniform ayers 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 echnical Specification Clause 01. (For Grading I Material)		n 1210.960	3233.75	3915941.90	458.7	70 148332	1.13 154	.850 50074	46.19	154.85 5007	746.19	500746.19

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4	0000000	1			a Da Da		PP	D.H.	Popul	Popul		111
	WBM Grading 3 :-Providi laying, spreading and compacting stone aggregate specific sizes to water both macadam specification including spreading in unification thickness, hand packing, roll with smooth wheel roller 80-kN in stages to proper grade camber, applying and broom stone screening to fill-up to interstices of coarse aggregation watering and compacting to required density Grading 3 per Technical Specification Clause 405.	s of und orm ling 100 and ing, the Cu	Qty um 493.420	4104.31	Amt. 2025148.64	210.938	Amt. 865754.94	Qty 56.269	230945.42		230945.42	230945.42
10	Providing and applying prime coat with bitumen emulsion (\$1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.7 1.0kg/sqm using mechanical	er iS- ig Sqr	n 6005.250	48.88	293536.62	0.00	0.00	0.000	0	0.00	0.00	0.00
11	means as per Technical Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate o 0.25 to 0.30 kg per sqm on the prepared granular surface tretaed with Primer and clened with hydriloc broom as per technical specification aclouse 503.		6005.250	16.53	99266.78	0.00	0.00	0.00	00 0	0.0	00 0.	0.00

19/19

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12 Mix Seal Surfacing (Type-B):-Providing, laying and rolling of Amount (Rs.) close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a Sqm 6005.250 previously prepared base, 216.05 1297434.26 0.00 0.00 0.000 including mixing in a suitable 0.00 0.00 0.00 plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509

13/12/19 5E Quistiztia

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	20	Qty	Rate	Amt.	Qtv	Ams	-	1 1	44	11 11	
Cement Concrete Pavement M. Construction of un-reinforce plain cement concrete pavement, thickness as per design, over a prepared sur	d,				diy	Amt.	Qty	Amt.	Qty. Amo	unt (Rs.)	क
any other type as per Caluse 1501.2.2 M 30(Grade) coarse an fine aggregates confession	or e id										
las adde not exceeding or	551		1.1938	TART							
less than 0.2 cum capasity and appropriate weigh batcher using approved mix design laid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene film,wedges, steel plates	Cur	m 275.400	7499.73	2065425.64	270.00	2024927.10	0.000	0	0.00	0.00	0.00
including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continous operation including											
expansion of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars.											
Hard Shouldering :- 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 S	Sqm	225.000	515.52	115992.00	225.00	115992.00	0.000	0	0.00	0.00	0.00
earth,spreading 25 mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-											
OTHER ROAD											
1	base, with 43 grade cement of any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm mixed in a concrete mixer of no less than 0.2 cum capasity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering :- 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-	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering :- 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-TRAFFIC SIGNS,MARKINGS & OTHER ROAD	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and appropriate weigh batcher using approved mix design ,laid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering :- Laying brick soling layer on prepared sub-grade with brick on end edging according to lines,graded and 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including provision of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering :- 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-TRAFFIC SIGNS,MARKINGS & DTHER ROAD	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and appropriate weigh batcher using approved mix design ,laid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering :- 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-TRAFFIC SIGNS,MARKINGS & DTHER ROAD	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion , construction joints, applying debonding strips ,primer ,sealant ,dowel bars, primer ,sealant ,dowel bars, primer sealant ,dowel bars, primer sealant ,dowel bars, primer 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-TRAFFIC SIGNS,MARKINGS & DTHER ROAD	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to Is:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and appropriate weigh batcher using approved mix design laid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion ,construction joints, applying debonding strips, primer ,sealant ,dowel bars, Hard Shouldering :- 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-rRAFFIC SIGNS,MARKINGS & DTHER ROAD	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and appropriate weigh batcher using approved mix design, Islaid in approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion ,construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering :- 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- TRAFFIC SIGNS,MARKINGS & DTHER ROAD	base, with 43 grade cement or any other type as per Caluse 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capasity and appropriate weigh batcher using approved fixed side formwork (steel channel,laying and fixing of 125 micron thick polythene 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 continous operation including provision of contraction and expansion , construction joints, applying debonding strips ,primer ,sealant ,dowel bars, Hard Shouldering: 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- RRAFFIC SIGNS, MARKINGS & DTHER ROAD

18/12/19 18/12/19 Bystistia

	15 Reinforced cement concrete	-	Qty	Rate	Amt.	Qty	Amt.	Ony	Ame	Popo		111	11
	stone of standard deal							-	Amt.	City.	Amount (Rs.)	1	5
	painting and position including painting and printing, etc as per drawing and Technical Specification Clark			-									
	(Precast)	Each	3.000	2427.44									
- 1	III 200 m stone (precast)	Each	0.000	2427.00	7281.00	0.00	0.00	0.000	0	0.00	0.00	0.00	H
- 1	(I)Providing and Fixing 'Logo' of MMGSY Project :-Providing and		0.000	679.30	5434.40	0.00	0.00	0.000	0	0.00	0.00	0.00	+
	fixing of typical PMGSY informatory 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 Enlate will be welded.	Each	4.000	10310.00	41240.00	3.00	30930.00	0.000			0.0		0.00
	frame of the lower most plate			TO SHOW		- NOD							
	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		2000				520						
	Printing New Letters and Figures of any Shade-Printing new letter and figures of any shade with synthetic enamel paint black or any other	n ig	20.000	0.53	116.60	0.00	0.00	0.	.000	0	0.00	0.00	0.00

18/17/9/E

18	Boundry pillar/ Guard pos		Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.	Qty.	Amount (Rs.)	100	Ĭ
	Reinforced cement concrete M15 grade boundry pillars/loca stone of standard design as pe IRC:25,fixed in position including finishing and lettering but excluding painting as per drawing and Technical	Nos	s. 88.000	518.94	45666.72	0.00	0.00	0.000	0	0.00	0.00	0.00	
19	Retro-reflectorised Traffic Signs	5									100		
	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory 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												
	foundation with M15 grade cement concrete 450 mm x 450	Each	29.000	4174.30	121054.70	0.00	0.00	0.000	0	0.00	0.00	0.00	L
+	Control of the Contro	Each	12.000	5639.93	67679.16	0.00	0.00	0.000	0	0.00	0.00	0.00	H
	800mm x600mm rectangular	Each	3.000	7913.41	23740.23	0.00	0.00	0.000	0	0.00		0.00	H
		Each	3.000	10129.17	30387.51	0.00	0.00	0.000		2000	0.00	0.00	L
	900 mm side octagon ,OR 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						0.00	3.000	0	0.00	0.00	0.00	
		Sqm	314.000	867.76	272476.64	0.00	0.00	0.000	0	0.00	0.00	0.00	

13/12/19

Page 8 of 13

Oty Rate Amt. Oty Amt

	9		Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.	Qtv.	Amount (Rs.)	OU.	1 8
21	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Concrete 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.	d Sqn	90.000	972.67	87540.30	90.00	87540.30	0.000	0	0.00	0.00	0.00	
	BOX CULVERT 2X2M SINGLE CELL												+
2	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	Cum	95.330	288.02	27456.95	0.00	0.00	0.000	0	0.00	0.00	0.00	
	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202, 8, 1202, 8, 1202, 1203	Cum	7.920	6072.27	48092.38	0.00	0.00	0.000	0	0.00	0.00	0.00	
	Providing concrete for plain/reinforced concrete in	Cum	31.150	6819.72	212434.28	0.00	0.00	0.000	0	0.00	0.00	0.00	

88/12/19 18/12/19

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	No.	N. NO		-	-	0-0-	Je W	(A) (A)	91-11	JF 95 9	FUE	1111		
26		Providing concrete for	-	Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.		Amount (Rs.)	e ·	於
		plain/reinforced concrete in substructure complete as per drawings and technical specifications Clause 802, 804,805,806,807,1202, and 120 PCC M-20 Grade	Cu	im 16.250	7062.60	114767.25	0.00	0.00	0.000	0	0.00	0.00	0.00	
27		Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wa with 100 mm dia AC pipe extending through the full widt of the structures with slope of 1(V):20(H) towards drawing fac complete as per drawing and	h Nos	s. 36.000	135.14	4865.04	0.00	0.00	0.000	0	0.00	0.00	0.00	
		technical specification Clauses 614, 709, 1204.3.7												
		Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 ans 1204 RCC M-25 Grade	Cum	10.020	7875.73	78914.81	0.00	0.00	0.000	0	0.00	0.00	0.00	
	H	supplying , fitting and placing YSD bar reinforcement (Fe- 15) in substructure complete as												1
	pe sp	pecification clause 1002, 105,1010 & 1202.	мт	1.590	75269.53	119678.55	0.00	0.00	0.000	0	0.00	0.00	0.00	
	wir con teci	ckfilling behind abutment , and wall and return wall applete as per drawings & thrical specification clause 4.3.8 (With Sandy Material)	Cum	34.290	658.84	22591.62	0.00	0.00	0.000	0	0.00	0.00	0.00	0

18/17 E



1 1	M. No.	0-0-0-0-0		Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.	Qty.	Amount (Rs.)	e s
31	t d	Providing and laying filter med with granular crushed aggregates as per specification to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and providing over the entire surface behind abutment, wing wall, return wal to the full height, compacted to irm condition complete as per lawing and technical pecification Clause 1204.3.8	e Cur		3542.32	70208.78	0.00	0.00	0.000	0	0.00	0.00	0.00
32	su an	roviding and laying reinforced ement concrete in uperstructure as per drawing dd technical specifications auses 800, 1205.4 and 1205.5	Cum	4.380	8302.49	36364.91	0.00	0.00	0.000	0	0.00	0.00	0.00
13	Su HY suj dra	repplying, fitting, and placing (SD bar reinforcement in perstructure complete as per living and technical ecifications Clauses 1002,	мт	0.380	76455.75	29053.19	0.00	0.00	0,000	0	0.00	0.00	0.00
	Par /Rei sub drav	apet Construction Plain inforced cement concrete in structure complete as per wing and technical cification clause 802,804, 806,807,1202 and 1204 (M-	Cum	4.010	7062.60	28321.03	0.00	0.00	0.000	0	0.0		0.00
	Paint prime in all : concr drawii	ting on Parapet Wall ing two coats including er coat after fillnamel paint shades on new, plastered / ete surfaces as per ng and Technical fication clause 1701.	Sqm	27.650	110.65	3059.47	0.00	0.00	0.000	0	0.	00 0.0	0.00
	per dra specifi	ications Clause 1209	Nos.	4.000	476.64	1906.56	0.00	0.00	0.00	0 0		0.00	00.0
1 1	HUME 1X1000	PIPE CULVERT				Dane 1							

Page 11 of 13

3	7 Farth		Qty	Rate	Amt.	Qty	Amt.	Qty	Amt.	Qty.	Amount (Rs.)	2 3
	foundation of structures upto 3 m depth as per drawing an technical specification clause 1104	d Cun	119.200	288.02	34331.98	89.397	25748.12	0.000	0	0.00	0.00	0.00
38	Providing M15 (PCC 1:2.5:5) a levelling course in foundation: Providing PCC M 15 (1:2.5:5 concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803 1202 & 1203	Cum	18.400	6072.27	111729.77	13.79	83736.60	0.000	0	0.00	0.00	0.00
39	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 ans 1204 (M20)	Cum	134.960	7062.60	953168.50	101.225	714911.69	0.000	0	0.00	0.00	0.00
40	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works,backfilling concrete and masonary works in head walls and parapets as per clause 1106	м	30.000	4110.07	123302.10	22.50	92476.58	0.000	0	0.00	0.00	0.00
41	Painting on parapet wall (Black & White Strips) Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered/concrete surfaces as per drawing and technical specification clause 1701	Sqm 1	32.560	110.65	9135.26	9.00	995.85	0.000	0	0.0	00.00	0.00

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a pipe		Qty	AA Rate		100	12 F 12 F	W. Land		1 1 1		
pipe				Amt.	Qtv	Amt.	Qty	4 9 9	pr of	444	
)), in in in of		30.000	953.82	28614.60	10.00	9538.20	0.000	Arnt.	0.00	0.00	0.00
Total	I Co	nstructio	n cost (A):-	14049203.58		6220011 47		444040000			
Yea	ar	1	76912.00	76912.00		5220011.47		1118182.83		1118182.83	1118182.8
-	_	1	97045.00	97045.00							
Km	n	1	156286.00								
Km	1	1	189317.00								
Km	1		222433.00						1		
	ead g a a rrial ipe a lar s, e at lin www.k.k.ee eel el	g a g a g a lipe n a lar RM s, at lin w k k ee el d d	rotal Construction Total Construction Year 1 Km 1 Km 1	Page and g a g a g a g a g a g a g a g a g a g	ead g a lipe and a lar s, at lin w k k lipe and d lar s lar	ead g a rivial lipe a la ar RM 30.000 953.82 28614.60 10.00 Total Construction cost (A):- 14049203.58 Year 1 76912.00 76912.00 Km 1 97045.00 97045.00 Km 1 156286.00 156286.00 Km 1 189317.00 189317.00	ead g a prival property of the	Pad g a rivial ripe a la array RM 30.000 953.82 28614.60 10.00 9538.20 0.000 Total Construction cost (A):- 14049203.58 6220011.47 Year 1 76912.00 76912.00 Km 1 97045.00 97045.00 Km 1 156286.00 156286.00 Km 1 189317.00 189317.00	Pad g a lar rial lipe a la alar s, at lar lipe a la lar s, at lipe a la lar s, at lipe a la lar s, at lipe a lar lipe a l	Pad g a lar rial lipe a la alar s, at lin lin w k lar lipe a la lar s at lin lin w k lar lipe a la lar lin lin w k lar lipe a lar lin lin w k lar lipe a lar lin lin w k lar lipe a lar lip	Pad g a rivial ripe a a arr s, at a ripe a d d d

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