

अनुव Tels ार त स्रिपेस ME SON A POR 32-01-2053

Agreement No - DUMBD/22-23

between The Executive Engineer, Rural This agreement, made the day of Work Department (Works) Division, Banka-1 (hereinafter called "the Employer") of the one part, and Kamal Devi, At- W/o- Omprakash Singh, Teghra, Dhobai, Distt.- Munger (Bihar) (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute the Construction of Road & CD Works with maintenance under Road name Package No.- MR-N/21-22 Banks-1/17 (Tender ID-116086, Bid ID- 499925) Year 2021-22 under M/R (3054) Youjna, Block-Shambhuganj, District- Banka, Bihar (hereinafter called the contract) Chief Engineer-2 Rural work department, Bihar Patna Vide Letter No-1314 / Patna, Dated 21:04:2022 and the Employer has accepted the Bid by the Contractor for the execution and completion of such works and the Routine maintenance of works for Five Years of the Contract Price remedying of any defects therein, at a Construction of cost of Rs. 11373441.00 (Rupees One Crore Thirteen Lakh Seventy Three Thousand Four Hundred Forty One Only) δ: Maintenance of cost Rs. 1359947.00 (Rupees Thirteen Lakh Fifty Nine Thousand Nine Hundred Forty Seven Only) with a Total Amount of Rs. 12733388.00 (Rupees One Crore Twenty Seven Linkh Thirty Three Thousand Three Hundred Eighty Eight Only) at bidder rate quoted 0.51 % below the estimated cost. Kamal Devi the contractor has deposited (i) FD A/c No.- 140042195270/1 Amount Rs. 260000.00 (to FD A/c No.- 140046715445/1 Amount Rs. 378000.00 (till FD A/c N 140046715486/1 Amount Rs. 32000.00

NOW THIS AGREEMENT WITNESSETH as follows:

Proprietor

SR. Divisional Account Offices R.W.D. (W) Div. Banks 01

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BIHAR RURAL ROADS DEVELOPMENT AGENCY (GOVERNMENT OF BIHAR)

BID DOCUMENT

FOR

CONSTRUCTION AND MAINTENANCE OF RURAL ROADS

DISTRICT: Banka

BLOCK: Shambhuganj

SI. No.	Name of Road	Length In Km	Cost of Const. (Rs. In Lakhs)	Maintenance Cost (Rs. In Lakhs)	Total Cost (Rs. In Lakhs)
	Package	No MR-	N/21-22 Banka	-1/17	
1.	Basbitta to Lakha Village	1.750	113.73441	13.59947	127.33388
	Total-	1.750	113.73441	13,59947	127.33388

Financial Bid Year 2021-22

Under
M/R Head 3054
MINISTRY OF RURAL DEVELOPMENT
GOVERNMENT OF BIHAR

Office of the Executive Engineer R.W.D. Works Division, Banka-1

Letter of Acceptance

Letter No.:- 740

Date: - 22.04.2022

To,

Kamal Devi. At- W/o- Omprakash Singh, Teghra, Dhobai, Distt.- Munger, Mob. 9006232030, Email ID - kamaldevimgr@gmail.com

This is to notify you that your Bid dated 14.02.2022 for execution of the Dear Sirs. road construction and routine maintenance of the works for five years after completion of the construction under Package No.- MR-N/21-22 Banka-1/17 (MR) (Tender ID-116086, Bid ID- 499925) for the Contract Price of Rupees 12733388.00 (Rupees One Crore Twenty Seven Lakh Thirty Three Thousand Three Hundred Eighty Eight Only) is hereby accepted by our Agency.

We note that as per bid, you do not intend to subcontract any component of

You are hereby requested to furnish Performance Security including an work. additional Performance Security for unbalanced bid in terms of ITB clause 27.4 in the form detailed in Para 34.1 of ITB for an amount of APG Rs. 32000.00 & Earnest Money Rs. 637000.00 Total Rs. 669000.00 (Rupees Six Lakh Sixty Nine Thousand Only) and all Related documents submitted, within 21 days of the receipt of this letter of acceptance in accordance with the conditions of contract and sign the contract, failing which action as stated in Para 34.2 of ITB will be taken.

Yours faithfully.

Executive Engineer, Rural Works Department

Vorks Division, Banks 1

no

SR. Obisional Acco R.W.D. M Div. Banka-01

UNDER MR-3054 BILL OF QUANTITIES (BOQ) - CONSTRUCTION

Name of Basbitta To Lakha Village :

Block : Shambhugani

District:

Banka

Length : 1.750 km

SI. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Ru
1	Clearing and Grubbing Road Land (By manual means) including uproofing wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 2011 and direction of E/I	Hect	0.35	59726.13	20904.15
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202.				
_	Cement Cuncrete	Cum	0.30	560.39	168.12
	Reinforced Cement Concrete Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonsy, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202. Stone Masonary/Brick Masonary	Cum	3.36	1271.01	4270.59 6866.39
	4 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.	Cum	951.00	258.70	246023.70
	For Grading II Material-Construction of granular sub-base by providing well graded material, spreading in uniform tayers with motor grader 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	76.18	2256.98	171936.74
3	WBM Grading 2 (By Mechanical Means) -Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming crushable screening to fill-up the interatices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.		48.97	3985.40	₽ 95165,0-

SR. Divisional Account Officer R.W.D. (W) Div. Banka-01

Executive Engineer R.W.DiWorks Division BAIKA 1

Planting of trees by the road side (Avenus bress) in 0.00 m dis holes, 1 m deep day in the ground, mixing the soll with deceyed farm yelf-disciple marker, planting the sale will with deceyed farm yelf-disciple marker, planting the sales for one year	De.	W. S. W.	Description of Items	Unit	City.	Rate (RBI)	Amount (1)
Half Brick Circular Tree Guard, in 2/10 Class princh, interest and Diameters 1.25 Metres, and Hight 1.2 Metres, above ground and 0.20 metre below ground. Bottom two courses laid dry and tree the courses in centrent moter 1.6 (Learnest 6 sand) and the intermediate courses being in dry honey comb masonary, as per design complete. 20 Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Seads-Providing and taying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 260 gms per sym ares. Hischness 0.2.5 mm is exclusive of surface applied plass beads as per (RC)35. The finished surface to be level, uniform and free from streaks and holes. All Edge for BT Portion. Sym and free from streaks and holes. All Edge for BT Portion. Sym and free from streaks and holes. All Edge for CC Portion. Sym and free from streaks and holes. All Edge for BT Fortion. Symp and the providing and free from streaks and holes. All Edge for BT Fortion. Symp and the providing and fining of typical MR informatory sign board with Logo as part MORD syspecifications and drawing. Three MR Sym and the providing and fining of typical MR informatory sign board with MS nation of 1.2 SWG sheet beat end or back on edges. The lower plate will be welcled with MS and into information of the lower most plate and that from frame or moder plate will be welcled to 2 nos. 75mm x 75 mm of 1.2 SWG sheet label to the lower most plate and that from frame or moder plate will be welcled to 2 nos. 75mm x 75 mm of 1.2 SWG sheet label to the lower most plate and that from frame or moder plate will be welcled by 2 nos. 75mm x 75 mm of 1.2 SWG sheet label to the lower most plate and that from frame or moder plate will be welcled to 2 nos. 75mm x 75 mm of 1.2 SWG sheet label to the plate of 3 mm and 1.2 mm and 1.2 SWG sheet label to the plate of 3 mm and 1.2 mm and 1.2 SWG sheet label to the plate of 3 mm and 1.2 SWG sheet label to the plate of 3 mm and 1.2 SWG sheet label to the sheet label to 1.2 SWG sheet	13	decayed backfilling	of trees by the road side (Avenue trees) in 0.60 m., 1 m deep dug in the ground, mixing the soil with tarm yard/sludge manure, planting the saplings, by the trench, watering, fixing the tree guard and	Each	48.00	1089.13	50099,98
and laying of hot applied thempolatic composition 2.5 mm brick including reflectortaing glass beasts @ 250 gms per sam area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished sulface to be level, uniform and fine from streaks and holes. At Edge for BT Portion Sigm 260.00 857.13 222653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.13 226653. At Edge for CC Portion Sigm 260.00 857.12 2265. At Edge for CC Portion Sigm 260.00 857.12 2265. At Edge for CC Portion Sigm 260.00 857.12 2265. At Edge for CC Portion Sigm 260.00 857.12 2265. At Edge for CC Portion Sigm 260.00 857.1	19	Half Bri Diamet and 0.2 and to sand) mason	ck Circular Tree Guard, in 2nd Class Brick, internal re 1.25 Metres, and Hight 1.2 Metres, above ground to metre below ground, bottom two courses laid dry to three courses in cement mortar 1:8 (1cament 8 and the intermediate courses being in dry honey combinary, as per design complete	Each	46,00	1974.92	90848.32
At Edge for BT Portion At Edge for CC Portion At Edge for CC Portion Providing and fishing of typical MR informatory sign board 21 Providing and fishing of typical MR informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and mindle plate dolly welded with MS flat inon 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 of 12 SWG sheet tables on the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tables posts duly embedded in cement concrete M-15 grade blocks of 450mm x 45mm x 500mm, 600mm beliew ground level. The lop most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG sheet plate table. Alt M S. will be stove enameled on both sides. Lettering and printing arrows, border etc. with 5e painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel fittle will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1 RCC SLAB CULVERT 22 Earthwork in excavation for structures as per drawing and technical specifications Clause 305 1 including setting out, construction of stroing and bracing, removal of stumps and other deletinious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material 23 Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1106. 24 Providing PCC M 16 (12.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 25 Providing PCC M 26 (12.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 26 Plain/reinforced cerement concrete in substructure complete as per drawings and technical specification clauses 802,	20	Com and I thick	eying of hot applied thermoplastic compound 2.5 mm including reflectorising glass beads @ 250 gms per area, thickness of 2.5 mm is exclusive of surface to least beads as per IRC:35. The finished surface to				======================================
At Edge for CP Portion At Edge for CP Portion 21 Providing and fishing of typical MR 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 that MS angle iron frame of 25mm x 25mm x 5mnt. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 rios. 75mm x 75 mm of 12 SWG shoot tables posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm a 500mm. 800mm below ground level. The lop most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate table. All M S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enames paint of superior qualify in required abded and colour. All sections of framed posts and steel futie will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexire 1700.1 RCC SLAB CULVERT 22 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out; construction of shoring and bracing, removal of stumps and other deleteratus material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in tranches with excavated autitable material 23 Sand Filling in Foundation Trenches as per drawing and technical specification Clause 106. 24 Providing PCC M 16 (12.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202.8 1203 25 Providing PCC M 26 (12.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202.8 1203 26 Plain/visinforced cement concrete in substructure complete as per drawings and technical specification Clause 802, 804, 805, 808, 807, 1202 as 1204. (M15 (PCC 12.5.5)	1		La company de la	Sam	90,00		
21 Providing and fibring of typical MR informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duty wetland with MS flat inon 25mm x 5m size on back on edges. The tower plate will be welcled with MS angle iron frame of 25mm x 25mm x 5ms. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welcled to 2 nos. 75mm x 75 mm of 12 SWG sheat fulles posets duly embedded in comment concrete M-15 grade blocks of 450mm x 450mm a 500mm, 800mm below ground level. The lop most diamond plate will be welcled to middle plate by 47mm x 450mm a 12 SWG sheat library below by 47mm x 47mm of 12 SWG sheat plate bubs. All M S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready nixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel futile will be painted with primer and two costs of epoxy paint as per drawing Clause 1701 and Annexure 1700.1 RCC SLAB CULVERT 22 Earthwork in excavation for structures as per drawing and technical specifications Clause 305 1 including setting out, construction of shoring and bracing, removal of stumps and other deleteratus material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated autitable material. 23 Sand Filling in Foundation Trenches as per drawing and technical specifications Clause 102, 803, 1202 & 1203. 24 Providing PCC M 20 (12.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 807, 1202 & 1203. 26 Plaintrainforced cement co		At I	idge for BT Portion		260.00	B57.13	222853.60
Earthwork in excavation for structures as per drawing and technical specifications. Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. 23 Sand Filling in Foundation Treriches as per drawing and technical specification Clause 1108. 24 Providing PCC M 15 (1;2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specificalisms Clause 802, 803, 1202 & 1203 25 Providing PCC M 20 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 26 Plainferinforced General concrete in substructure complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 26 Plainferinforced General concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204. (M15 (PCC 1:2.5:5)	4	ic x	wer plate will be welded with MS angle iron frame of 25mm. 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. ISmm x 75 mm of 12 SWG sheet tabes posts duly embedded in coment concrete M-15 grade blocks of 450mm x 450mm a 600mm, 600mm below ground level. The lop most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tabe. All M S, will be stove enameled on both sides. Lettering and printing arrows, border sto, will be painted with ready mixed synthetic enameled in superior quality in required shade and colour. All sections of framed posts and steel tabe will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1		5.00	10357.11	51785.55
Earthwork in excavation for structures as per drawing and technical specifications. Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. 23. Sand Filling in Fountiation Trenches as per drawing and technical specification Clause 1108. 24. 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, 1202.8 1203. 25. Providing PCC M 20 (1:2.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202.8 1203. 26. Plainferinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204. (M15 (PCC 1:2.5.5)		_	RCC SLAB CULVERT		1		
technical specification Clause 1108. Cum 1.25 530.96 683.70 24 Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specificalions Clause 802, 803, 1202 & 1203 25 Providing PCC M 20 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 26 Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204. (M15 (PCC 1:2.5:5)		22	Earthwork in excavation for structures as per drawing and technical specifications. Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in tranches with excavated suitable, material.		84,71	336,86	28535.41
Providing PCC M 15 (1:2.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specificalions Clause 802, 803, 1202 & 1203 25 Providing PCC M 20 (1:2.5.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Cum 54.08 6029.52 326076. 26 Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204. (M15 (PCC 1:2.5:5)	_	23		Cum	1.25	530.96	683.70
open foundations complete as per drawings and technical specificallors Clause 802, 803, 1202 & 1203		24	Providing PCC M 15 (1:2.5:5) concrete for plain concrete in		1.20	0.00,50	200.70
25 Providing PCC M 20 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 26 Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204. (M15 (PCC 1:2.5:5)	-2	2%	open foundations complete as per drawings and technical	1	2001000) president	- AMERICA CO.
open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	_	- 25	Specifications Clause 602, 803, 1202 & 1203		12.65	5345,05	67565.33
specifications Clause 802, 803, 1202 & 1203 Cum 54.08 5029.52 326076. Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 ans 1204. (M15 (PCC 1:2.5:5)		25					
as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 ans 1204. (M15 (PCC 1:2.5:5)			specifications Clause 802, 803, 1202 & 1203	Cum	54.08	6029.52	326076.44
804, 805, 806, 807, 1202 Bits 1204. (MTS (PGC 1:2.5:0)	5	26	as per drawings and technical specification Clauses 802,				
1 COM 1 20.20 1 MCM 81 1 1830000	_		004, 805, 806, 807, 1202 and 1204. (M15 (PGC 1:2.5:5)	Cum	26.26	5829.81	153090.81

SR Olyisional Account Officer R.W.D. (W) Div. Banka-01 Executive Engineer A

io.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
t.	Plain/Reinforced cement concrete(M-20) in substructure complete as per drawings and technical specification	EVITES			
11	Clauses 802, 804, 805, 806, 807, 1202 ans 1204	Cum	7.38	5265.00	46243.08
8	RCC M25 In Deck Slab :- Providing and laying reinforced cement concrete in superstructure (Deck slab M25) as per drawing and technical specifications Clauses 800, 1205.4, 1205.5	Cum	4.61	7396.29	34096.90
29	Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications	ML	0.63	82348.33	51879.45
30	Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight	Rm	15.00	47.78	716.70
31	Providing Weepholes in brick masonary, Plain / Reinforced concrete abutement, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structure with slope of 1V: 20H towards drawing	No	28 00	123.46	3456.88
32	Drainage spouts complete as per drawing and technical specifications Clause 1209.	No	2.00	924.65	1849.30
33	Painting on Parapet Wall 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	26 58	109.48	2907.79
34	Retaining Wall Earthwork in excavation for foundation of structures as per- drawing and technical specification Clause 1104 includding setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. (A) Ordinary Soil	Cum	225.00	336.86	75793.50
3	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 (I) PCC Grade M-10	Cum	22 50	5554.90	125210.25
3	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 (I) PCC Grade M-15	Cum	147.32	5345.05	787432.77
3	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 808, 807, 1202 ans 1204 (II) PCC Grade M-15	Cum	100.86	5345.05	539101.74
3	Providing weepholes in brick masonry/stone masonry, plaintreinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V) 20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 789, 1204, 3.7.	RM	124.00	123.46	15309.04
3	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8	Cum	55.18	974.53	53774.57

SR. Divisional Account Officer R.W.D. (W) Div. Banka-01 Executive Engineer R.W.Divorks Division BAJIKA-1

SL No.	Description of Items	Unit	City.	Rate (Re.)	Amount (Re.
£	Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in outs and foe of slope to toe of slope in fills constructing head walls at both ends, providing a minimum fill of granular material over lop 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.	Rm	30.00	1028.35	30850 50
41	Plastering with cement mortar (1.4) on brick work in sub- structure as per Technical Specifications	Sqm	20.16	158.40	3193.34
42	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, clastered / concrete surfaces as per drawing and Technical	Sgm	20 16	109.48	2207.12
	Specification Clause 1701	J. J.		Total =	10037666.87
			Labo	ur cess @1% =	100376.66
				GST @12% =	1204619.90
		Ad	d Saigniora	ge Fee @ 10%	89180.72
				Total (A) =	11431743.15
43	5 YEAR ORDINARY MAINTENANCE COST	Quarterly	20	60366.73	1207334.60
43			Labor	er cons @1% =	12073.35
_				GST @12% =	144880.15
		Ad	d Seigniora	ge Fee @ 10%	2630,68
	X			Total (El) =	1366918.78
			Grand Total	Coet (A+B)=	12798661.93

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Executive Engineer

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Superintending Engineer Bural Works Department Works Circle, Bhagalpur

4210112

SR. Divisional Account Offices
R.W.D. (M) Div. Banka 01

Executive Engineer
R W Devorks Division

MILIKA 1

I. No.	Description of Items	Unit	Qty.	Rate (Rx.)	Amount (Re.)
1	WBM Grading 3 (By Mechanical Means) Providing, leying, aprending and compacting alone aggregates of specific sizes to water bound macadam specification including apreading in uniform thickness, hand packing, rolling with smooth wheel rollier 80-100 kN in stages to proper grade and camber applying and brooming atone agreening to fill-up the interstices of coarse aggregate, watering and conspecting to the required density Grading 3 as see Technical Scentification Clause 405.	Cum	104.52	3570.97	383689.78
8	Prime Coat (Low porosity)-Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502	Sqm	458.00	59.88	27204.96
9	Patch work over WBM using Mix seal surface With Waste Plastic (Type B) Bituminous (8-90) By Machanical Means for bituminous and Existing CC Pavement-Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 1.1.2 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 previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 5-10 kN static rollier and finishing to required level and grades as per Technical Specification Clause 509.	Sgm	450.00	243.71	111131.76
10	Tack Coat -Provising and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface tretaed with Primer and clemed with hydriloc broom as per technical specification actouse 503.	Sqm	2150.38	20.29	43834.11
11	Semi-Dense Situminous Concrete (With Waste Plastic) - Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, taying with a hydrostatic pavor finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.		42.61	12551.1	8 534805.78

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SR. Divisional Account Officer R.W.D. (W) Div. Banka-01 Executive Engineer R.W.D.Works Division BALIKA-1

- 1		Description of Items U	nit	Qty.	Rate (Rs.)	Amount (Rs.)
- 1	Ceme	int Concrete Payement Construction of un				
-1	GILLIO	Coropiain cement thickness as nordering over a	- 1			D 1
J)	highs	red sub base with 43 grade camput or any other hand	- 1		l .	
-7	as p	er clause 1501.2.2 M 30 grade coarse and fine	- 1			
	aggre	egate maximum size of aggregate not exceeding 25mm.	1			
	mixed	d in a concrete of part less than 2.0	- 1			
	anno	d in a concrete of not less than 0.2cum capacity and	- 1		1	
	appro	opriate weigh batcher using approved mix design, laid in	- 1		l .	
	abbu	oved fixed side formwork (steel channel laving and	1		1	
	many	of 125 micron thick plythene film wedges steel plates	1		1	
	Incin	iding levelling the formwork as per drawing I spreading	- 10		1	li i
	the o	concrete with shovels , rakes , compacted using needle.			l	
	scre	ed and plate vibrators and finished in continuous	- 1		1	
	ope	ration including provision of contraction and expansion,				
	con	strution joints applying debonding strips , primer .			1	1
		lant , dowel bars , near approaches to bridge/ culvert and			1	
			1		1	
		istruction joints, admixtures as approved, curing of	- 1		A	
		screte slab for 14 days curing compound (where	- 1		1	1 1
		ecified) and water finishing to lines and grade as per	- 1		1	
	dra	iwing and Technical specification clause 1501.	20	225-22	227072	5291747.14
			Cum	787.80	6717,12	253114114
3		inforced cement concrete M15 grade kilometre local				
	sto	one of standard design asper IRC 8 foung in position	- 1		1	
	line	cluding painting and printing, etc as per drawing and				
		chnical specification clause 1703				7425.89
		Km stone	No.	3.00	2385.51	7156.83
	1	200 m stone	No	7.00	707.02	4949.14
	-15	irection and Place Identification signs with size more				
14	l D	nan 0.9 sqm size board- Retro-reflectorised Traffic	- 1			
	u	nan 0.9 sqm size board reaction direction and place	- 17		1	1 1
	10					
	15				1	1 1
	123	igns Providing and Electrical sign as per IRC 67 made of	- 1			
	lic	dentification retro-Veffectorised sign as per IRC 67 made of				
	ic	dentification retro-Veflectorised sign as per IRC 67 made of dentification retro-Veflectorised sign as per IRC 67 made of encopsulated lens type reflective sheeting wide Clause and position of the control of the c				
	1	dentification retro-Veflectorised sign as per IRC 67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with				
	1	dentification retro-vertectorised sign as per IRC 67 made of concepsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from area exceeding 0.9 sqm supported on firmly fixed to the				
	1	dentification retro-Veflectorised sign as per IRC 67 made of processing the street of				
	ic e	dentification retro-Veflectorised sign as per IRC 67 made of processing tensions by the reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 ground by means of properly designed foundation with M-15				
	1	dentification retro-Vellectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 ground by means of properly designed foundation with M-15 ground committed 450 mm x 450 mm x 600 mm, 500 grade cement concrete 450 mm x 450 mm x 600 mm, 500 grade cement concrete 450 mm x 450 mm x 600 mm.			unwesse	
	1	dentification retro-Vellectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 ground by means of properly designed foundation with M-15 ground committed 450 mm x 450 mm x 600 mm, 500 grade cement concrete 450 mm x 450 mm x 600 mm, 500 grade cement concrete 450 mm x 450 mm x 600 mm.	Sam	5.76	12985.26	74795.10
	1	dentification retro-Vellectorised sign as per IRC 57 made of incepsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 5 mm, 2 Nos. firmly fixed to the ground by means of property designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701.	Sqm	5.76	12985 26	74795.10
	e	dentification retro-Veflectorised sign as per IRC 57 made of incepsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of property designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701.		5.76	12985 26	74795.10
	1	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701.		5.76	12985.25	74795.10
-	e	dentification retro-Vellectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, providing and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory and informatory sign as per IRC 57 made of magnetatory sign as per IRC 57 made		5.75	12985.25	74795.10
1	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 made of mandatory and informatory sign as per IRC 67 made of mandatory and informatory sign as per IRC 67 made of mandatory and informatory sign as per IRC 67 made of mandatory and informatory sign as per IRC 67 made of mandatory and informatory sign as per IRC 67 made of mandatory and lens type reflective sheeting vide Clause		5.75	12985.25	74795.10
-1	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 made of encapsulated lens type reflective sheeting, 1.5 mm thick area 2.3 fixed over aluminium sheeting, 1.5 mm thick		5.75	12985.25	74795.10
-1	e	dentification retro-Vellectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 made of mandatory and informatory sign as per IRC 67 made of encapsulated lens type reflective sheeting, 1.5 mm thick 1701.2.3 fixed over aluminium sheeting, 1.5 mm x 75 mm x moneted on a mild steel angle iron post 75 mm x 75 mm x		5.75	12985.25	74795.10
-	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 made of encapsulated lens type reflective sheeting, 1.5 mm thick 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 supported on a mild steel angle iron post 75 mm x 75 mm x		5.76	12985.26	74795.10
1	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 designed foundation with		5.76	12985.26	74795.10
1	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 designed foundation with		5.76	12985 26	
-	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 designed foundation with				51771.02
•	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 made of encapsulated lens type reflective sheeting. 1.5 mm thick 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801 drawings and Technical Specification Clause 801	No.	14:0	0 3897.9	3 51771.02 8 7470.16
1	e	dentification retro-Veflectorised sign as per IRC 67 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801	No.	14.0	0 3697.93 0 3735.0	3 51771.02 8 7470.18
	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 57 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801	No.	14:0	0 3697.93 0 3735.0	3 51771.02 8 7470.18
1	e	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular	No. No.	14.0	0 3697.93 0 3735.0	3 51771.02 8 7470.18
	15	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular	No. No.	14.0	0 3697.93 0 3735.0	3 51771.02 8 7470.18
	e	dentification retro-Veflectorised sign as per IRC 67 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular 600 mm x 450 mm rectangular 600 mm x 450 mm rectangular 600 mm x 450 mm rectangular	No. No.	14.0	0 3697.93 0 3735.0	3 51771.02 8 7470.18
•	15	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3. fixed over aluminium sheeting. 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 5 mm. 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary. Providing and informatory sign as per IRC 57 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular 600 mm x 450 mm rectangular 600 mm x 450 mm rectangular 600 mm x 450 mm rectangular	No. No.	14.0	0 3697.93 0 3735.03 3 3608.8	51771.02 8 7470.18 5 14427.40
	15	dentification retro-Veflectorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3. fixed over aluminium sheeting. 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 5 mm. 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 500 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary. Providing and informatory sign as per IRC 57 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular 600 mm x 450 mm rectangular 600 mm x 450 mm rectangular 600 mm x 450 mm rectangular	No. No.	14.0	0 3697.93 0 3735.03 0 3608.8	51771.02 8 7470.18 5 14427.40
	15	dentification retro-Verificatorised sign as per IRC 67 made of ancepsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular 600 mm x 450 mm rectangular	No. No. No.	14.0 2.00 4.00	0 3697.93 0 3735.03 0 3608.8	51771.02 8 7470.18 5 14427.40
	15	dentification retro-Verificatorised sign as per IRC 67 made of ancepsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm circular 600 mm x 450 mm rectangular 600 mm circular painting as per drawing and Technical specification Clause 801 exertification Clause 1704	No. No. No.	14.0 2.00 4.00	0 3697.93 0 3735.03 0 3608.8	51771.02 8 7470.18 5 14427.40
	15	dentification retro-Vertectorised sign as per IRC 57 made of incapsulated tens type reflective sheeting wide Clause 1701.2.3. fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle from posts 75 mm x 75 mm x 5 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC 67 made of encapsulated tens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting. 1.5 mm thick supported on a mild steel angle from post 75 mm x 75 mm x 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801. 600 mm equilateral & triangle. 600 mm equilateral & triangle. 600 mm equilateral & triangle. 600 mm x 450 mm rectangular. 600 mm equilateral & triangle. 600 mm circular. Boundary Pillar/Gaurd Post-Reinforced cement concrete. M15 grade boundary piltars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704.	No.	14.0 2.00 4.00	0 3697.93 0 3735.03 0 3608.8	51771.02 8 7470.18 5 14427.40 5 4973.20
	15	dentification retro-Verificatorised sign as per IRC 57 made of incapsulated lens type reflective sheeting wide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 5 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701. 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 8 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 800 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle 600 mm equilateral & triangle 600 mm circular 600 mm equilateral & triangle 600 mm circular post-Reinforced cement concrete 450 mm x 450 mm rectangular 600 mm circular post-Reinforced cement concrete 450 mm x 450 mm rectangular 600 mm circular	No.	14.0 2.00 4.00	0 3697.93 0 3735.03 0 3608.8	5 51771.02 8 7470.18 5 14427.40 5 4973.20

SR. Divisional Action Officer R.W.D. (M) Div. Banka-01 Executive Engineerd
R.W.Dijvorks Division
BANKA 1
