

Barawan Bibipur Road To Paswan Tola Barawan								
Sl. No.	Description	QUANTITY	Unit	RATE	AMOUNT (In Rs.)			
1	Providing & Fixing of Working benchmark Pillars 4 nos. per km & 40 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	0.45	Km	4529.17	2038.00			
2	Clearing and Grubbing Road Land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps of such trees cut earlier, and unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification (clause 201.1)	0.11	Ha	76947.02	8310.00			
3	Construction of Embankment with Material Obtained from Borrow Pits 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 & 100 m as per Technical Specification Clause 301.5. (Including Royalty & Labour Cess). For 1000 m lead	440.89	Cum	258.72	114067.00			
4	Construction of Subgrade and Earthen Shoulders Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and loads, 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 Royalty & Labour Cess) A) In Flexible Road B) In Rigid Road	165.38	Cum	324.98	53249.00	224.14	43683.00	
5	1) Construction of granular sub-base with coarse graded material (Table: 400) material, spreading in uniform layers with tractor mounted grader with arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	152.78	cum	2418.11	369439.00			
6	WBM Grading 3 (By Manual 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 smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	125.65	Cum	4220.23	530272.00			
	Cement Concrete Pavement Construction of un-reinforced, jointed at expansion and construction joint only, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity 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 continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14 days, using water or else (where specified) and water finishing to the required level and grade as per drawing and Technical Specification Clause 1501.	262.80	cum	7544.87	1982792.00			
	Providing and laying of a reinforced cement concrete pipe duct, 1500 mm dia, across the road (new construction), extending from toe of slope to toe of slope in cuts and toe of slope to toe of slope in embankments, constructing head walls at both ends, providing a minimum filling of 150 mm material over top and sides of RCC pipe as per IRC:98, added on a 0.3 m thick layer of granular material free of fines, outer to outer distance of pipe at least half dia of pipe, minimum 450 mm in case of double and triple row ducts, the pipe to be made leak proof, invert level of duct to be above higher ground level to prevent entry of water and dirt, all as per IRC:98 and approved drawings.	15.00	m	1015.88	15238.00			

Approved as Corrected

17	(i) Providing and Fixing Logo of Project Providing and fixing of typical PAGESY/ MAGESY 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 8mm size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 8mm. The angle iron frame of 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 tubes posts duly embedded in cement concrete M-15 grade 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 synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1 Citizen Information Board As per Drawing	1.0 2.00	No.	11459.38	11459.38 22918.00
18	Earth work in excavation of foundation trenches :- 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.				
19	Sand Filling in Foundation :- Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108	198.00	Cum	405.80	80348.00
20	Providing 500 micron Poly Sheet :- Over rammed sand on base and sides all over drain base and side.	24.75	Cum	545.56	13503.00
21	Sub Structure concrete :- Providing RCC M20 concrete for plain/reinforced concrete in Abutement cap complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	967.50	Sqm	12.38	11978.00
22	Providing HYSD Bars :- Supplying, fitting and placing HYSD / TMT bar reinforcement in superstructure complete as per drawings and technical specifications Clauses 1002, 1010 and 1202	112.51	Cum	7342.55	826110.00
23	GST @ 18% ON (PART A) CONSTRUCTION	9.56	Mt	75430.70	721117.00
24	LABOUR CESS @ 1% ON (PART A) CONSTRUCTION	1.00	Rupees	876850.38	876855.00
25	SIGNORAGE (As calculated)	1.00	Rupees	48744.41	48744.00
26	Total Amount Of Construction In Rupees	1.00	Rupees	107046.24	107046.24
27	1st Year Maintenance cost	1	Year	113.00	113.00
28	2nd Year Maintenance cost	1	Year	1965.00	1965.00
29	3rd Year Maintenance cost	1	Year	66100.00	66100.00
30	4th Year Maintenance cost	1	Year	1997.00	1997.00
31	5th Year Maintenance cost	1	Year	2020.00	2020.00
32	GST @ 18% ON (PART B) Maintenance	1	Rupees	12995.10	12995.00
33	LABOUR CESS @ 1% ON (PART B) Maintenance	1	Rupees	721.95	722.00
34	SIGNORAGE FOR 5 YEAR ORDINARY MAINTENANCE (As calculated)	1	Rupees	0.00	0.00
	Total Amount Of Maintenance In Rupees	1	Rupees	0.00	0.00
	TOTAL COST	85912.00			5969972.54
					5964952.00

28/2/24

Construction — Rs 5879040.00
5 Year maintenance :— Rs 85912.00
Total Rs 5964952.00

By Drawing approved as corrected

For Rs 5964952.00

(Rupees Fifty nine lacs sixty four thousand and ninety two only) including five year maintenance

07.3.2024

Superintending Engineer
Rural Works Department
Muzaffarpur Circle, Aurangabad