

Name of Work: Rehabilitation of Various Roads at Muncipal Area Begun in Distt Chittorgarh

Bidder Name						
(This BOQ to	emplate must not be modified/replaced by the bidder and the same s	PRICE SCHE should be upload		the relevent co	olumns, else the bidder is	liable to be rejected for this tender.
NUMBER #	TEXT#	NUMBER#	TEXT #	NUMBER	NUMBER #	TEXT #
SI. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	6	54	55
1	Construction of embankment with approved Material obtained from borrow-pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting by vibratory roller 8-10 tonne to meet requirement of Table 300-2 including cost of compensation for earth taken from private land with lead upto 1 km as per MoRTH Specification: Clause No. 305.	561.56	Cum	91.00	51102.00	INR Fifty One Thousand One Hundred & Two Only
2	Providing, laying, spreading and compacting crushed graded stone aggregate as per Table 400-10 & 400.11 to Wet Mix Macadam specifications including premixing the Material with water to OMC in mechanical mixer (Pug mill) as per design mix, carriage of mixed Material by tipper to site laying in uniform layers, with motor grader/F.E. loader/Paver Finisher, in sub- base/base course on a well prepared under-base and compacting with Vibratory Roller to achieve the desired density including lighting, guarding, barricading and maintenance of Driversion etc. (MoRTH specification: Clause 406). with all lead & lift	390.63	Cum	982.00	383600 00	INR Three Lakh Eighty Three Thousand Six Hundred Only
3	Providing, laying and spreading of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401. By Mix in Place Method Grading-III	123.75	Cum	240.00		INR Twenty Nine Thousand Seven
4	Providing and laying Reinforced cement concrete pipes NP-3 for culverts including jointing ends and fixing collar with cement mortar 1:2.	120.70	Oum	210.00	20,00,00	Transfer Only
	(MoRTH specification : clause 1000/2900). 300 mm dia	75.00	Mtr	1154.00	86550.00	INR Eighty Six Thousand Five Hundred & Fifty Only
5	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled Materials upto a lead of 1000 mtrs. stacking serviceable and unserviceable Materials separately. (MoRTH specification: Clause 202)	900.00	Cum	741.00		INR Six Lakh Sixty Six Thousand Nine Hundred Only
6	Dry lean cement concrete sub - base. Construction of dry lean cement concrete 1:3:6 sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blening to be as per Table 600-1, cement content not to be less than 200 Kg/Cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonne vibratory roller, finishing and curing.	576 50	Cum	2374 00	1368611 00	INR Thirteen Lakh Sixty Eight Thousand Six Hundred & Eleven
7	Providing and Laying un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub-base with 43 grade cement, coarse and fine aggregate conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, 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, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, as per drawing and MoRTH Specification: Clause No. 602, 112. using curing compound and water finishing to lines and grade as per drawing and MoRD Specification Clause 1501 including vaccum dewatering process with all required equipments Using Cement concrete M-30 pavement Grade	576.50 1704.00	Cum	2374.00 4959.00	1368611.00 8450136.00	INR Eighty Four Lakh Fifty Thousand One Hundred & Thirty
8	Earthwork in excavation in foundation trenches etc. in drains and channels etc. not exceeding 2m depth, including dressing of bottom and sides of trenches, stacking the excavated soil 3m clear from the edge of excavation including disposal of surplus soil as directed within a lead of 1000 metres (MoRTH specification: clause 301, 304). Ordinary soil	252.00	0	00.00	40000 00	INR Sixteen Thousand Six
		252.00	Cum	66.00	16632.00	Hundred & Thirty Two Only



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SI.	Item Description	Quantity	Units	Estimated		TOTAL AMOUNT
No. 1	2	4	5	Rate	Taxes 54	In Words 55
9	Providing & laying mechanically mixed and vibrated Cement Concrete	4		6	54	55
10	in foundation upto a depth of 1.5mtr, below ground level and 1.5mtr. above ground/bed level. [MoRTH Specification: Clause 1000/1700]. (a) Cement concrete 1:3:6 mix with crushed stone aggregate 20 mm nominal size. Structural cement concrete (Design Mix) in open foundations, with	28.00	Cum	2830.00	79240.00	INR Seventy Nine Thousand Two Hundred & Forty Only
10	form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MoRTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate By using batching plant R.C.C. M-20 grade	89.60	Cum	2939.00	263334.00	INR Two Lakh Sixty Three Thousand Three Hundred & Thirt Four Only
11	Providing and laying steel reinforcement at any level in foundation complete as per drawing and technical specification. [MoRTH Specification : Section 1600]. HYSD bar reinforcement	1.40	M.T	52910.00		INR Seventy Four Thousand &Seventy Four Only
12	Reinforced cement concrete M15grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc	5	•	1.2.10.00	1.51.1.00	
12.01	Ordinary kilometer stone (precast)	2.00	Nos	1435.00	2870.00	INR Two Thousand Eight Hundre & Seventy Only
12.02	Hectometer stone (precast)	4.00	Nos	412.00	1648.00	INR One Thousand Six Hundred Forty Eight Only
13	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3, 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 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing 90 cm equilateral triangle	4.00	Nos	2063.00	8252.00	INR Eight Thousand Two Hundre & Fifty Two Only
15	Providing and erecting direction and place identification retro- reflectorised sign as per IRC:67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 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 concrete45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing	7.60	Sqm	6020.00		INR Forty Five Thousand Seven Hundred & Fifty Two Only
16	Raised Pavment Marker (Cats Eyes): Supplying and Fixing of Molded Shank Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 100 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 700 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer*'s recommendation and complete as directed by the engineer. The contractor shall submit 2 years pre qualified warranty certificate from the manufacturer for satisfactory field performance during the time of	610.00	Nos	182.00		INR One Lakh Eleven Thousand &Twenty Only
17	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.	204.00	Sam	500.00		INR One Lakh Two Thousand
18	Supply of village Name Board size 600x900 mm made out of 1.25 mm thick M.S. Sheet duly framed with 30mm Outer Dia Mild Steel tube tightened with M.S. flat 12x3 mm fixed on two posts of size 40 mm ODMS tube 3M long whole board is processed in blue/white stoving enamel paint and white/red machine cut reflective sheet complete in all respect posts duly painted with black/white synthetic enamel.	201.00	Sqm	509.00		Three Hundred & Nine Only INR Six Thousand Five Hundred
19	Supply of flood gauge (water gauge) as per IRC 67 standard 200cm long	2.00	Nos	3257.00	6514.00	Fourteen Only INR Two Thousand Seven





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1	2	4	5	6	54	55	
20	Fixing of flood gauge (water gauge) in cement concrete M-15 mix size 30×30×60cm complete including transporting excavation etc. complete.	2.00	Nos	197.00	394.00	INR Three Hundred & Ninety Four Only	
21	Supplying and installation of delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80 x 100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and conforming toIRC-79 and the drawings.	40.00	Nos	444.00		INR Seventeen Thousand Seven Hundred & Sixty Only	
22	Providing and Erecting typical Citizens Information Board as per approved drawing & specification of MoRD, made of two MS Sheet of 1.6 mm thick each of size 900 mm × 750 mm stiffened by angle iron 25 mm ×25 mm × 3 mm all around the plate and plates fixed on frame of 75 mm dia pipe of 12 SWG sheet (vertical post 3050 m with angle holdfasts and horizontal member 900 mm) to be joined by 5 mm thick MS plate at 12 places (65 × 50 mm) duly embedded in cement concrete M-15 grade of block of 600 mm × 600 mm × 750 mm size below ground level as per enclosed drawings & as directed by Engineering - In-Charge. All MS will be stove enameled on both side, Lettering, figuring and border will be with ready mixed synthetic enamel paint of superior quality in required shade and colour etc. complete in all respect. All sections of framed post and steel tube will be painted with primer and two coat of epoxy paint as per drawing and as per MoRD specification.						
		2.00	Nos	8192.00	16384.00	INR Sixteen Thousand Three Hundred & Eighty Four Only	
23	Earthwork in excavation for foundation of structure complete with all lift, dewatering, shoring and shuttering etc. including refilling of trenches in 250 mm layer, ramming, watering and disposal of surplus soil within a lead of 1000 meters, as per drawing and technical Earth in excavation for foundation of specification. [MoRTH Specification: Clause 304]. In Ordinary/Soft rock (not requiring blasting) [MoRTH Specification: Clause 301] BY MECHANICAL MEANS	427.76	Cum	99.00	42348.00	INR Forty Two Thousand Three Hundred & Forty Eight Only	
24	Earthwork in excavation for foundation of structure complete with all lift, dewatering, shoring and shuttering etc. including refilling of trenches in 250 mm layer, ramming, watering and disposal of surplus soil within a lead of 1000 meters, as per drawing and technical Earth in excavation for foundation of specification. [MORTH Specification : Clause 304]. In Ordinary/Soft rock (not requiring blasting) [MoRTH Specification: Clause 301] In Hard Rock [MORTH Specification: Clause 301, 302, 303]. Requiring Blasting	1882.15	Cum	331.00	622992.00	INR Six Lakh Twenty Two Thousand Nine Hundred & Ninety	
25	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MoRTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate P.C.C. M-15 grade By using concrete mixer	291.31	Cum	3512.00	1023081.00	INR Ten Lakh Twenty Three Thousand &Eighty One Only	
26	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MORTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate By using concrete mixer P.C.C. M-20 grade	327.94	Cum	3960.00	1298642.00	INR Twelve Lakh Ninety Eight Thousand Six Hundred & Forty Two Only	
27	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MoRTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate, By using batching plant R.C.C. M-25 grade	728.74	Cum	3787.00	2759738.00	INR Twenty Seven Lakh Fifty Nine Thousand Seven Hundred & Thirty	
28	Providing and laying steel reinforcement at any level in foundation complete as per drawing and technical specification. [MoRTH Specification: Section 1600]. HYSD bar reinforcement	87.50	MT	52910.00		INR Forty Six Lakh Twenty Nine Thousand Six Hundred & Twenty	
29	Drilling of holes upto 50mm dia suing rotary percussion drilling machine in any strata, fixing of casing pipe washing of holes by alternate cycles of air & water jetting till cleaning water flows from the pipe complete.	875.00	RM	345.00	301875.00	INR Three Lakh One Thousand Eight Hundred & Seventy Five	





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1	2	4	5	6	54	55
30	Grouting of foundation by chemical cement/ cement sand slurry of specified consistency conforming IS:6066 using single/double packed assembly in either descending or ascending order	350.00	Kg.	6.00	2100.00	INR Two Thousand One Hundred Only
31	Filter medium behind abutment, wing wall and return wall, complete as per drawing and technical specification. (Same as R7.20.3) [MoRTH Specification: Clause 2504].	69.77	Cum	483.00	33698 00	INR Thirty Three Thousand Six Hundred & Ninety Eight Only
32	Structural cement concrete for plain concrete/ reinforced concrete for substructure at any level, complete as per drawing and technical specification. Design mix concrete – [MoRTH Specification: Section 1500 & 1700]. RCC M-25 grade, including form work For height upto 5 mtr.		0 31111			INR Sixteen Lakh Sixty Two Thousand Eight Hundred & Twent
	State of the state	384.38	Cum	4326.00	1662828.00	
33	Steel reinforcement in substructure complete. [MoRTH Specification : Section 1600] HYSD reinforcement	45.26	MT	53009.00	2399187.00	INR Twenty Three Lakh Ninety Nine Thousand One Hundred & Eighty Seven Only
34	Providing A.C. pipe Weep holes 150mm dia in Masonry/plain Concrete/Reinforced Concrete abutment, wing wall/return wall complete as per drawing and technical specification. [MORTH Specification: Clause 2205].	84.80	Rmt	118.00	40006.00	INR Ten Thousand &Six Only
35	2205]. Structural RCC/PSC upto a height of 5 mtr. for reinforced concrete in superstructure complete including steel formwork, scaffolding etc. As per drawing and technical specification. Design mix concrete. [MoRTH	04.00	Mill	110.00	1000.00	INR Thirty Two Lakh Twenty Nine
	Specification: 1500 & 1700]. RCC/PSC M-35 grade Using Batching Plant Solid slab superstructure	617.46	Cum	5231.00	3229933.00	
36	Providing and laying HYSD bar reinforcement at any level in superstructure complete as per drawing and technical Specification. [MoRTH Specification : Section 1600]	58.16	MT	53897.00	3134650.00	INR Thirty One Lakh Thirty Four Thousand Six Hundred & Fifty Only
37	Providing and Laying PCC M-15 grade leveling course below approach slab complete as per drawing and technical specifications. [MoRTH specification: 2700]	4.50	Cum	2681.00	12065.00	INR Twelve Thousand &Sixty Fiv
38	Reinforced cement concrete M-30 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications. [MoRTH specification: 1500, 1600, 1700, 2704]	13.50	Cum	7149.00		INR Ninety Six Thousand Five Hundred & Twelve Only
39	Reinforced cement concrete wearing coat M-30 grade at any level including formwork and reinforcement complete as per drawing and technical Specification. [MoRTH Specification : Clause 2204, 1500 & 1700].	42.98	Cum	7949.00	341648.00	INR Three Lakh Forty One Thousand Six Hundred & Forty
40	Providing, laying and fixing of Filler Joint Providing and fixing 20mm thick Compressible Fibre Board in expansion joint complete as per drawing and technical specification in MoRTH specification: clause 2605.	75.15	Sqm	1149.00	86347.00	INR Eighty Six Thousand Three Hundred & Forty Seven Only
41	Drainage spout with GI pipe 100mm dia and GI bolt 10mm dia with galvanized MS flat clamp complete as per drawing and Technical Specification	28.00	Nos	1559.00	43652.00	INR Forty Three Thousand Six Hundred & Fifty Two Only
42	Providing and fixing 2mm thick Corrugated Copper Plate in expansion joint complete as per drawing and technical specifications in MoRTH specification: clause 2605.	83.50	Rm	4688.00	391448.00	INR Three Lakh Ninety One Thousand Four Hundred & Forty Eight Only
43	Providing and fixing in position 20mm thick Premoulded Joint Filler in expansion joint for fixed ends of simply supported spans not exceeding 10m to cater for a horizontal movement upto 20mm, covered with sealant complete as per drawing and technical specification in MoRTH specification: clause 2605.	83.50	Rm	251.00		INR Twenty Thousand Nine Hundred & Fifty Nine Only
44	Providing and filling joint sealing compound as per drawings and technical specification with coarse sand and 6% bitumen by weight as per MoRTH specification: clause 2605.	83.50	Rm	15.75		INR One Thousand Three Hundred & Fifteen Only
45	Providing and laying reinforced cement concrete grade M-30 design mix railing complete as per drawing and technical Specification. [MoRTH Specification: 2703, 1500, 1600 & 1700]. Precast RCC railing	152.00	Mtr	1242.00	188784.00	INR One Lakh Eighty Eight Thousand Seven Hundred & Eight
46	Earthwork in excavation for foundation of structure complete with all lift, dewatering, shoring and shuttering etc. including refilling of trenches in 250 mm layer, ramming, watering and disposal of surplus soil within a lead of 1000 meters, as per drawing and technical Earth in excavation for foundation of specification. [MoRTH Specification: Clause 304]. In Ordinary/Soft rock (not requiring blasting) [MoRTH Specification: Clause 301] BY MECHANICAL MEANS	36.14	Cum	99.00		INR Three Thousand Five Hundred & Seventy Eight Only



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47	Providing & laying mechanically mixed and vibrated Cement Concrete in foundation upto a depth of 1.5mtr, below ground level and 1.5mtr. above ground/bed level. [MoRTH Specification: Clause 1000/1700]. (a) Cement concrete 1:3:6 mix with crushed stone aggregate 20 mm nominal size.	41.38	Cum	2830.00	117105.00	INR One Lakh Seventeen Thousand One Hundred & Five Only	
48	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MoRTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate, By using batching plant R.C.C. M-20 grade	43.84	Cum	2939.00	128846.00	INR One Lakh Twenty Eight Thousand Eight Hundred & Forty Six Only	
49	Providing and laying Reinforced cement concrete pipes NP-4 for culverts including jointing ends and fixing collar with cement mortar 1:2. (MoRTH specification: clause 1000/2900). 1000 mm dia	30.00	RM	5077.00	152310.00	INR One Lakh Fifty Two Thousand Three Hundred & Ten Only	
50	Providing and laying steel reinforcement at any level in foundation complete as per drawing and technical specification. [MoRTH Specification: Section 1600]. HYSD bar reinforcement	0.26	Mt.	52910.00	13917.00	INR Thirteen Thousand Nine Hundred & Seventeen Only	
Total in Figures					34534737.00	INR Three Crore Forty Five Lakh Thirty Four Thousand Seven Hundred & Thirty Seven Only	
Quoted Rate in Figures			Select		0.00	INR Zero Only	
Quoted Rate i	n Words	INR Zero Only					