



इरकॉन इन्टरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)
An integrated Engineering and Construction Company



(ORIGINAL)

NO. IRCON/3017/SGHP/eTender/Overlay-O &M /ET-02/

Date: 25.04.2023

M/s A. K. SHIVHARE INFRASTRUCTURE PVT. LTD,

16, Eden Garden Chuna Bhatti,
Kolar Road, Bhopal (M.P.) - 462016
Phone No. 9425037549
Email – akshivhare@rediffmail.com

Sub: Major maintenance (const. of bituminous overlay) and routine maintenance of Shivpuri Guna section of NH-46 project highway between km 236.000 to 332.100 in the state of Madhya Pradesh: **Letter of Acceptance (LOA)**

Ref: 1. NIT No. IRCON/3017/SGHP/eTender/Overlay-O &M /ET-02 dated: 06.02.2023
2. Corrigendum-1 dated: 23.02.2023
3. Corrigendum-2 dated: 09.03.2022
4. Corrigendum-3 dated: 16.03.2022
5. Your Technical e-bid opened on 24.03.2023
6. Your Financial e-bid opened on 19.04.2023

Dear Sir,

- With reference to above, IRCON International Limited is pleased to inform you that your offered Bid Price for the work of "Major maintenance (const. of bituminous overlay) and routine maintenance of Shivpuri Guna Section of NH-46 project highway between km 236.000 to 332.100 in the state of Madhya Pradesh" has been accepted by the Competent Authority for a value of **Rs. 99,22,30,341.26 (Rupees Ninety-Nine Crore Twenty-two Lac Thirty Thousand Three Hundred Forty-One & Twenty-Six paise only) inclusive of GST @ 18%** at the terms and conditions mentioned in the tender documents. Summary of BOQ (Bill of Quantities) is enclosed herewith as Annexure-A.
- Retention money shall be recovered from on account /Final bills of the Contractor@ 10% of gross value of each bill subjected to maximum of 5% of the Contract Value of the work. (Refer Para 8.2 of GCC).
- You are required to submit Performance Security in the form of irrevocable Bank Guarantee in the prescribed format for an amount of 3% of contract value i.e. Rs. 2,97,66,910/- (Rupees Two Crore Ninety-Seven Lac Sixty-Six Thousand Nine Hundred & Ten only), within 21 days after the date of issue of this letter. (Refer Para 8.1 of GCC and Para 4.0 of SCC).
- The entire work is required to be completed within 01 (One) Year from the date of issue of this letter of acceptance for Major Maintenance (Refer Para 14.0 of SCC)
- The Contract Period for Routine Maintenance shall be 03 (Three) Years effective from the first date of taking over process commenced (Refer Para 14.0 & 2B (1) of SCC.)

(1/13)

[Signature]
25/04/2023
Contd..2



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6. You are requested to submit programme of completion of works within 15 days of the date of receipt of this letter.
7. The scope of work & Terms and Conditions shall be as per tender document. Payment shall be released after effecting statutory deductions (Refer Para 62 of GCC).
8. Until a formal agreement is prepared and executed, this letter together with written acceptance hereof shall form a binding contract between M/s A. K. SHIVHARE INFRASTRUCTURE PVT. LTD and M/s Ircon International Limited. The tender documents already signed by you, will form an integral part of this contract and shall be binding on you.
9. You are requested to furnish stamp paper of requisite value and attend this office for signing of the Contract Agreement (i.e. within 14 days after submission of Performance Security as per Para 5.0 of SCC.)
10. All other terms and conditions contained in the tender documents dated 06.02.2023 and corrigenda issued thereafter shall form part and parcel of the contract
11. You are required to contact Shri Suresh P Yadappanavar, AGM/Civil, Shivpuri Guna Project (Mob. No. 7225019450) for further instructions and immediate start of work.
12. The Letter of Acceptance is being sent to you in duplicate. One copy may please be signed, stamped and return to this office within seven days time as a token of unequivocal acceptance of letter of award.

Please acknowledge receipt of the letter.

Thanking you,

For & on behalf of
IRCON INTERNATIONAL LIMITED



(D. K. Sharma)
Executive Director/Infrastructure

Encl: As above (BOQ).

Copy for information to:

1. AGM/PH/SGHP/Guna
2. Company Secretary
3. Office Copy

SUMMARY OF BOQ (BILL OF QUANTITIES)

Name of Work: Major maintenance (const. of bituminous overlay) and routine maintenance of Shivpuri Guna section of NH-46 project highway between km 236.000 to 332.100 in the state of Madhya Pradesh

Contract No: IRCON/3017/SGHP/eTender/Overlay-O&M/ET-02 dated: 06.02.2023

(All figures are in Rs.)

Schedule	Item Description	Estimated Cost	Estimated Cost including GST
(i)	(ii)	(iii)	(iv)
Sch-1	Major maintenance (const. of bituminous overlay) and Routine Maintenance of Shivpuri Guna section of NH-46 project highway between km 236.000 to 332.100 in the state of Madhya Pradesh	82,48,00,254.00	97,32,64,300.00
Sch-2	Routine maintenance (const. of bituminous overlay) and Routine Maintenance of Shivpuri Guna section of NH-46 project highway between km 236.000 to 332.100 in the state of Madhya Pradesh	8,48,41,860.00	10,01,13,395.00
	Total estimated Cost incl GST @18% (Rs.)		107,33,77,695.00
	% above/below on Estimated cost quoted by M/s. AK Shivhare Infrastructure Pvt Ltd	7.56% below	(-) 8,11,47,353.74
	Total awarded amount incl GST @ 18% (in figures)	=	99,22,30,341.26
	Total awarded amount incl GST @ 18% (in Words)	Rupees Ninety-Nine Crore Twenty-two Lac Thirty Thousand Three Hundred Forty-One & Twenty-Six paise only	

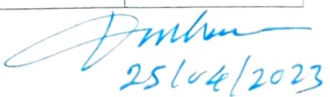

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IRCON INTERNATIONAL LIMITED

Major Maintenance (Bituminous Overlay) of Shivpuri Guna section of NH-46 (Old NH-3) for project highway between km 236.000 to km 332.100 in the state of Madhya Pradesh

BILL OF QUANTITIES

Sl. No.	Item Description	Unit	Qty.	Rate in Rs.	Amount in Rs.
SCHEDULE-I					
1	Dismantling of existing bituminous surface (Flexible pavements) upto average depth of 50 mm by way of mechanical milling , including loading of dismantled material and transportation of same to the dumping ground / place as directed by Engineer Incharge includes all lift and leads	Sqm	602980	30	18089400
2	Providing and applying tack coat with catonic bitumen emulsion using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per relevant clauses of section-503 of specifications. @ 0.25 kg per sqm (normal bituminous surfaces)	Sqm	1606922	14	22496908
3	Dense Graded Bituminous Macadam Providing and laying dense bituminous macadam using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a Electronic Sensor paver 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 clause 505 of specification complete in all respects. (a) Using Batch Mix Plant of appropriate capacity. (v) for Grading-II (19 mm nominal size) Bitumen Content minimum 4.5% with bitumen 30/40 (VG- 40)	Cum	29723.6	8657	257317205
4	Bituminous Concrete Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 % by wt of total mix of mix and filler, transporting the hot mix to work site, laying with a Electronic Sensor paver 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 clause 507 of specification.(a) Using Batch Mix Plant of appropriate Capacity (vi) for Grading II (30-40) mm Thickness) Bitumen minimum 5.4% with 30/40 Bitumen (VG-40)	Cum	30118.2	10182	306663512
5	Bituminous Concrete Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 % by weight and total mix of mix and filler, transporting the hot mix to work site, laying with a Eletostatic Sensor paver 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 clause 507 of specification. (a) Using Batch Mix Plant of appropriate Capacity (ii) for Grading I (50-65 mm Thickness) Bitumen content minimum 5.4% with 30/40 Bitumen (VG-40)	Cum	14686	9895	145317970


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6	Micro Surfacing Providing and laying Micro surfacing to the bituminous surface as per clause 514 of specification..(ii) Type III grading	Sqm	143500	161	23103500
7	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beeds on Bituminous surface. Providing and applying (Cleaning of Bituminous surface) thermoplastic compound having composition of binder (Regin) minimum 18 %, titanium dioxide minimum 10 % and intermixed glass bead, minimum 30% of brand like Asian, Burger or equivalent make of 2.5 mm thick including drop down reflectorizing, 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, all complete as per clause 803 of specifications. Note:- The guarantee of Thermoplastic should be minimum 3 Years.	Sqm	57600	636	36633600
8	Road Markers/Road Stud with Lense Reflector Providing and fixing single mound twin shanked molded Road Markers/Road Stud made of poly carbonate or ABS body and shall support a load of 13635 Kg tested in accordance to ASTM D 4280 and complying to specifications of Section-5 of IRC:35-2015 and clause 804.2.2 of MORT&H and Section-5 of IRC:35-2015. The reflecting panels shall consist of number of lenses containing single or dual prismatic cubes capable of providing total internal reflection of the light entering the lens face. The slope or retro-reflecting surface should be 35 + 5 degree to base. The reflective marker shall be fixed to the road surface using the epoxy/ adhesives and the procedure recommended by the manufacturer. No nails shall be used to affix the markers so Cubes capable of that they do not pose safety hazard on the road.. The contractor shall submit a two year replacement warranty. for satisfactory field performance including stipulated retro-reflectance of the reflecting panel.	each	14222.22	673	9571556
9	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	13000.05	65	845003
10	Construction of Shoulders with approved material/selected soil i/c excavation all lifts & leads i/c grading to required slope & camber of 4% and compacting using vibratory roller of 80 to 100 kN static weight to meet requirement as per relevant clause of 400. (A) Earthen Shoulders (CBR value >7)	Cum	25600	186	4761600
	Total Amount (Rs)				824800254
	Add GST @18%				148464046
	Total Amount including GST (Rs)				973264300


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IRCON SHIVPURI GUNA TOLLWAY LIMITED

Routine Maintenance of Shivpuri Guna Section of Nh-46 Project Highway Between Km 236.000 to Km 332.100 in The State of Madhya

SCHEDULE-2

Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
SECTION-1 (ROAD & BRIDGE WORKS)					
1.1	Granular Sub-base with Well Graded Material (CBR>30 or more) (Table:- 400-1 & Table 400-2) Construction of granular sub-base by providing well graded material like natural sand crushed gravel or crushed stone having CBR >30, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator or plant mix method at OMC, and compacting with vibratory rollers of 80 to 100 kN static weight to achieve the desired density, complete as per Clause 401 of Specification.	cum	60	934.00	56,040
1.2	Wet Mix Macadam: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers, with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density in accordance to table no. 400-12, 400-13 and as per clause of section 406 of specifications	cum	150	1,493.00	223,950
1.3	Cast in Situ Cement Concrete M20 kerb Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M-15 grade 150 mm thick, or with kerb laying machine, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 409. Using Concrete Mixer	Rmt	1500	390.00	585,000
1.4	Retro- reflectorised Traffic signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2012 made of high intensity Micro-Prismatic Grade Sheeting (Type IV) vide IRC: 67-2012 clause 6.7.3.2 and clause 801.3.3 of MoRT &H fixed over Aluminum composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminum with overall thickness of 4mm and aluminum skin of thickness 0.3 on both side, the ACM shall conform to Table 6.1 of IRC-67-2012 and Table 800-1 of MoRT &H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC-67-2012 and Table 800-3 of MoRT &H specification of in the clause IRC 6.8 of the IRC 67-2012 and clause 801.3.7 of MORTH message legend numerical letter etc. and borders shall be screen printed on high intensity micro prismatic sheeting shall conform to clause 801.3.7 with digital printing ink or of cutout from transparent durable overlay or cutout from the same type of reflecting sheeting for cautionary/ mandatory/ signs, supported on MS sign post of size 75mm x75mm x 6mm of 3.60 meter over all length and fix to ground by means of properly designed foundation of dimension 450x450x600mm with M20 grade concrete. The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts. & supported with a back support frame of 25mmx25mmx3mm angle. 7 years warranty for Retro Reflection Sheeting to be provided from the original sheeting manufacture as per clause 6.9 of IRC 67 2012 & a certified copy for three years for outdoor exposure report from an independent test lab as per clause 6.7 of IRC 67 2012 for the product offered shall be submitted by the contractor. Note - Manufacture name and date of manufacture is to be printed (Embossed) at the backside of the board.				
1.4.1	90 cm Equilateral Triangle	No	30	4,184.00	125,520
1.4.2	60 cm Equilateral Triangle	No	30	3,011.00	90,330
1.4.3	60 cm Circular	No	150	3,779.00	566,850
1.4.4	80cm x 60cm rectangular	No	30	4,971.00	149,130
1.4.5	60cm x 45cm rectangular	No	30	3,700.00	111,000
1.4.6	60cm x 60cm Square	No	30	4,245.00	127,350
1.4.7	90cm Octahon	No	60	6,132.00	367,920

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Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
1.5	Direction and Place Identification signs upto 0.9 sqm size board. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2012 made of high intensity Micro-Prismatic Grade Sheeting (Type IV) vide IRC: 67-2012 clause 6.7.3.2 and clause 801.3.3 of MoRT&H fixed over Aluminum composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminum with overall thickness of 4mm and aluminum skin of thickness 0.3 on both side, the ACM shall conform to Table 6.1 of IRC 67-2012 and Table 800-1 of MoRT&H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC 67-2012 and Table 800-3 of MoRT&H specification of in the clause IRC 6.8 of the IRC 67-2012 and clause 801.3.7 of MORTH message legend numerical letter etc. and borders shall be screen printed on high intensity micro prismatic sheeting shall conform to clause 801.3.7 with digital printing ink or of cutout from transparent durable overlay or cutout from the same type of reflecting sheeting for cautionary/ mandatory/ signs, supported on MS sign post of size 75mm x 75mm x 6mm of 3.60 meter over all length and fix to ground by means of properly designed foundation of dimension 450x450x600mm with M20 grade concrete. The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts. & supported with a back support frame of 25mmx25mmx3mm angle. 7 years warranty for Retro Reflection Sheeting to be provided from the original sheeting manufacture as per clause 6.9 of IRC: 67-2012 & a certified copy for three years for outdoor exposure report from an independent test lab as per clause 6.7 of IRC: 67-2012 for the product offered shall be submitted by the contractor. Note - Manufacture name and date of manufacture is to be printed (Embossed) at the backside of the board	sqm	180	6,479.00	1,166,220
1.6	Direction and Place Identification signs more than 0.9 sqm size board. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2012 made of high intensity Micro-Prismatic Grade Sheeting (Type IV) vide IRC: 67-2012 clause 6.7.3.2 and clause 801.3.3 of MoRT&H fixed over Aluminum composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminum with overall thickness of 4mm and aluminum skin of thickness 0.3 on both side, the ACM shall conform to Table 6.1 of IRC 67-2012 and Table 800-1 of MoRT&H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC 67-2012 and Table 800-3 of MoRT&H specification of in the clause IRC 6.8 of the IRC 67-2012 and clause 801.3.7 of MORTH message legend numerical letter etc. and borders shall be screen printed on high intensity micro prismatic sheeting shall conform to clause 801.3.7 with digital printing ink or of cutout from transparent durable overlay or cutout from the same type of reflecting sheeting for cautionary/ mandatory/ signs, supported on MS sign post of size 75mm x 75mm x 6mm of 3.60 meter over all length and fix to ground by means of properly designed foundation of dimension 450x450x600mm with M20 grade concrete. The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts. & supported with a back support frame of 25mmx25mmx3mm angle. 7 years warranty for Retro Reflection Sheeting to be provided from the original sheeting manufacture as per clause 6.9 of IRC: 67-2012 & a certified copy for three years for outdoor exposure report from an independent test lab as per clause 6.7 of IRC: 67-2012 for the product offered shall be submitted by the contractor.	sqm	75	14,497.00	1,087,275
1.7	Providing and pasting on existing informatory boards high intensity Micro Prismatic Grade cube corner Sheeting (Type IV) vide clause IRC 67-2012, message (legends, numerals letter)borders for the informatory & other sign boards shall be cut out item durable transparent overlay film or cut out from the same reflective sheeting only. Cut-outs shall be from durable transparent overlay materials as specified by the sheeting manufacturer and shall be bonded with the sheeting in the manner specified by the manufacturer and as directed by Engineer-in-Charge. Sheet shall be fixed on the existing board by de-greasing either by acid or hot alkaline etching and all scale dirt removed to obtain smooth plain surface before application of high intensity grade cube corner retro reflective sheeting (Type X) all complete. 10 years Warranty for Retro Reflective Sheeting from the original sheeting manufacturer as per clause 6.9 of IRC 67-2012 & a certified copy. of three years outdoor exposure report as per clause 6.7 of IRC 67-2012 for the product offered shall be submitted by the contractor.	sqm	150	5,273.00	790,950

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Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
1.8	Type - A, "W" : Metal Beam Crash Barrier (Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, however 5 spaces of 600mm each between vertical post and 5 spaces of 900mm each between vertical post will be kept adjacent to RCC parapet/ concrete crash barrier in accordance to figure 9.14 of the IRC-SP: 73-2018, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS 1367 and IS 1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 811) and treatment for metal beam crash barrier on approach shall be modified eccentric loader terminal arrangement as shown in figure 9.12 of IRC- SP : 73-2018 End portion of metal beam crash barrier shall be flared outside by 1.25 mtr. Distance in last section of 8 mtr. Length. Departure side it shall be trailing terminal (TT) arrangement as shown in figure 9.13 of the IRC SP-73- 2018. End portion of metal beam crash barrier shall be flared outside by 0.35 mtr. Distance in last section of 8 mtr. length	mtr	3000	4,500.00	13,500.000
1.9	Road Markers/Road Stud with Lense Reflector Providing and fixing single mound twin shanked molded Road Markers/Road Stud made of poly carbonate or ABS body and shall support a load of 13635 Kg tested in accordance to ASTM D 4280 and complying to specifications of Section-5 of IRC 35-2015 and clause 804.2.2 of MORT&H and Section-5 of IRC:35-2015. The reflecting panels shall consist of number of lenses containing single or dual prismatic cubes capable of providing total internal reflection of the light entering the lens face. The slope or retro-reflecting surface should be 35 + 5 degree to base. The reflective marker shall be fixed to the road surface using the epoxy/ adhesives and the procedure recommended by the manufacturer. No nails shall be used to affix the markers so Cubes capable of that they do not pose safety hazard on the road. The contractor shall submit a two year replacement warranty. for satisfactory field performance including stipulated retro-reflectance of the reflecting panel	No	300	673.00	201.900
1.10	Reinforced cement concrete M15 Grade Kilometer stone of standard design as per IRC 8-1980, fixing in position including painting and printing etc				
1.10.1	5th Kilometre stones (Precast)	No	30	3,275.00	98,250
1.10.2	Ordinary Kilometre stones (Precast)	No	75	1,984.00	148,800
1.10.3	Hectometre stones (Precast)	No	1050	578.00	606,900
1.11	Boundary stones Reinforced cement concrete M15 grade boundary pillars of standard design as per IRC:25-1967, fixed in position including finishing and lettering but excluding painting.	No	150	546.00	81,900
1.12	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beeds on Bituminous surface. Providing and applying (Cleaning of Bituminous surface) thermoplastic compound having composition of binder (Regin) minimum 18 %, titanium dioxide minimum 10 % and intermixed glass bead, minimum 30% of brand like Asian, Burger or equivalent make of 2.5 mm thick including drop down reflectorizing, 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, all complete as per clause 803 of specifications. Note - The guarantee of Thermoplastic should be minimum 3 Years.	Sqm	1500	636.00	954,000
1.13	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beeds on Concrete surface. Providing and applying (Cleaning of concrete surface and after applying Concrete primer) thermoplastic compound having composition of binder (Regin) minimum 18 %, titanium dioxide minimum 10 % and intermixed glass bead, minimum 30% of brand like Asian, Burger or equivalent make of 2.5 mm thick including drop down reflectorizing, glass beads @ 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35 along with concrete primer. The finished surface to be level, uniform and free from streaks and holes, all complete as per clause 803 of specifications. Note - The guarantee of Thermoplastic should be minimum 3 Years.	Sqm	600	661.00	396,600
1.14	Printing new letter and figures of any shade Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade				
1.14.1	Hindi (Matras commas and the like not to be measured and paid for Half letter shall be counted as half)	cm height per letter	15000	0.80	12,000
1.14.2	English and Roman	cm height per letter	15000	0.50	7,500
1.15	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces				
1.15.1	Median Kerb	Sqm	3300	65.00	214,500
1.15.2	Parapets	Sqm	7500	65.00	487,500

Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
1 16	Painting on Steel Surfaces Providing and applying two coats of ready mix paint of approved brand on steel surface after through cleaning of surface to give an even shade				
1 16 1	Steel Structures	Sqm	150	61 00	9,150
1 16 2	GI Railing	Sqm	9000	61 00	549,000
1 17	Repair of old Joints Sealant Removal of existing sealant and re-sealing of contraction, construction longitudinal or expansion joints in concrete pavement with fresh sealant material	mtr	1200	42 00	50,400
1 18	Elastomeric Slab Steel Expansion Joint Providing and laying of an elastomeric slab steel expansion joint, catering to right or skew (less than 20 deg., moderately curved with maximum horizontal movement upto 50 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation and clause 2606 of MoRTH specifications for road & bridge works	mtr	300	13,910 00	4,173,000
1 19	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hosting, fixing in position and applying a priming coat of approved steel primer all complete	MT	3	84,739 00	254,217
1 20	Execution of Civil items not covered in any of the above schedule but essentially required to complete the contractual scope of work as per instructions of ISGTL to be executed as per MPPWD-ROAD & BRIDGES-SOR-2022 Total value of work under this restricted irrespective of Tender premium.	SOR per Actual UNIT		As per MPPWD-ROAD & BRIDGES-SOR-2022	1,500,000
Amount of Section: I					28,693,152

SECTION-2 (AS PER MPPWD SOR -2020 ELECTRICAL WORKS)

2 1	Supplying of ISI marked and approved make of moulded case circuit breaker (MCCB) suitable for 3 phase & N, 4 pole, 50 Hz, 415 Volts, (Ics=100%Icu) AC supply with thermal-magnetic release having respective breaking capacity (KA) at 415 Volts cited against their range standard conforming to				
2 1 1	MCCB 25kA current rating - 63 to100Amp & adjustable overload setting 80% -100% of In, adjustable short circuit setting 6-10 In 4 Pole	Nos	60	4,660 00	279,600
2 1 2	MCCB 25kA current rating - 160Amp & adjustable overload setting 80% -100% of In, adjustable short circuit setting 6-10 In 4 Pole	Nos	15	7,496 00	112,440
2 1 3	MCCB 25kA current rating - 200 Amp & adjustable overload setting 80% -100% of In, adjustable short circuit setting 6-10 In 4 Pole	Nos	15	10,298 00	154,470
2 2	Supply of ISI marked and accepted standard of miniature circuit breaker (MCB) of 'C' series with short circuit indication, suitable for 240/415 Volts, 50 Cycle, 10 kA/15 kA Value AC supply conforming to IS : 8828 : 1996, IEC : 60898 : 2002 & 60947-2 but without enclosures :-				
2 2 1	MCB SP 6Amp to 32Amp 10kA rating	Nos	3000	136 00	408,000
2 3	Supply and fixing of multi core round FRLSH PVC insulated copper (flexible) conductor & PVC sheathed cables 1100Volts as per IS 694-1990 of approved make				
2 3 1	(50/0.25 mm) Three core 2.5 sq.mm.	mtr	6000	60 00	360,000
2 4	Supply and fixing street light with high power LED of 3 to 6 Watt each on existing bracket assembled on single MCPCB and additional unique peanut lens on each LED, system lumens output with efficacy>120 lm/Watt. Luminaire having color temp upto 6500K & 50000 hrs burning life with minimum @ L 70, The colour rendering index of LED light should be more than 70. Luminaire comprises of driver, PF> 0.95 & surge protection 10KV. Housing made of pressure die cast aluminium with heat resistant flat glass, IP65 protection. Submission LM 79-08/IS16106 (2012), IEC60598, IEC61347 i/c connection wire, testing etc. to complete the job. - 250/240Watt, color temp 3000-6500k as required	Nos	60	34,766 00	2,085,960
2 5	Supplying and fixing flood light with high power LED of 3 to 6 Watt each assembled on single MCPCB and additional unique peanut lens on each LED, system lumens output with efficacy>120 lm/Watt luminaire having color temp upto 6500K & 50000 hrs burning life with minimum @ L 70, The colour rendering index of LED light should be more than 70. Luminaire comprises of driver, PF > 0.95 & surge protection 10KV. Housing made of pressure die cast aluminium with heat resistant flat glass, IP65 protection. Submission LM 79-08/IS16106 (2012), IEC60598, IEC61347 i/c connection wire, testing etc. to complete the job. - 250Watt, color temp 3000-6500k as required.	Nos	60	34,279 00	2,056,740
2 6	Supply of XLPE insulated power cable (conforming IS-7098 Part-I) 1100 Volt grade, 1 core/2 core/3½ core/4 core ISI marked with alu stranded /solid conductor				
2 6 1	Four Core 25 sqmm Armoured	mtr	6000	149 00	894,000
2 6 2	Four Core 35 sqmm Armoured	mtr	6000	193 00	1,158,000
2 7	Providing and erection of hot dipped galvanized octagonal poles in single section made from 3mm thick sheet having lockable weather proof flush door junction box, suitable size & type of foundation bolts 4 nos. 'J' type (EN8 grade) complete, erected in an approved manner on provided foundation				
2 7 1	8 meter height, 135 X 70mm A/F, 225x225x16mm base plate, 4 nos. X 20 x 750mm bolt	Nos	30	12,791 00	383,730
2 7 2	10 meter height, 175 X 70mm A/F, 275x275x16mm base plate, 4 nos. X 24 x 750mm bolt	Nos	60	16,587 00	995,220

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Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
2 8	Execution of Electrical items not covered in any of the above schedule but essentially required to complete the contractual scope of work as per instructions of ISGTL to be executed as per MPPWD-ELECTRICAL-SOR-2020 Total value of work under this restricted irrespective of Tender premium	SOR UNIT	per Actual	As per MPPWD-ELECTRICAL-SOR-2020	500,000
Amount of Section: 2					9,388,160

SECTION-3 (AS PER MPPWD SOR -2020 BUILDING WORKS)

3 1	Brick work with well burnt chimney bricks in bulls patent trench kiln manufactured by ghol process ,crushing strength not less than 40kg /cm2 and water absorption not more than 15% in superstructure above plinth level and up to floor two level i/c curing etc complete Cement mortar 1:6 (1 cement : 6 sand)	cum	30	5,821 00	174,630
3 2	12 mm cement plaster of mix- 1:4 (1 cement : 4 sand)	sqm	300	149 00	44,700
3 3	Execution of Civil items not covered in any of the above schedule but essentially required to complete the contractual scope of work as per instructions of ISGTL to be executed as per MPPWD-BUILDING WORK-SOR-2020. Total value of work under this restricted irrespective of Tender premium	SOR UNIT	per Actual	As per MPPWD-BUILDING WORK-SOR-2020	200,000
Amount of Section: 3					419,330

SECTION-4 (NON SOR ITEMS AS PER LAST ACCEPTED RATES)

4 1	Dressing of unpaved shoulder and slopes at the required camber as directed by the Engineer in charge conforming to Technical Specifications Clause no. 3003. The work also include disposal of surplus material outside ROW and addition of selected soil conforming to Technical Specifications Clause no. 305 brought from borrow areas located outside ROW	Sqm	12000	16 28	195,322 80
4 2	Providing spot reconditioning, reconstruction and regraveling to repair specific erosion or other damages for restoring the eroded area to originally constructed cross section on cuts and fills on slopes/ shoulders conforming to Technical Specifications Clause no. 3002. Fill material should be brought from borrow areas located outside ROW conforming to Technical Specification no. 305. Watered and well compacted with plate compactor or power rammer with all leads and lifts as directed by the Engineer (Quantity of	Cum	600	204 03	122,418 69
4 3	Providing repair to stone pitching/apron over the filter media/drainage layer at scattered locations over the slopes of guide bunds, river training works, and road embankments as per Technical Specifications clause no. 2504 complete in all respects as directed by Engineer involving the below given operations however as per its actual applicability at site				
4 3 1	Using boulders available at site (The job includes removal and stacking of boulders from damaged location)	Sqm	30	38 95	1,168 43
4 3 2	Using material procured by the agency	Sqm	30	80 80	2,424 02
4 3 3	Cement Mortar Grouting to Stone pitching etc complete	Sqm	30	81 38	2,441 54
4 4	Removal of rank vegetation/weeds and undesirable vegetation from shoulders, embankment slopes upto ROW (both sides) complete in all respect including breaking of clods, rough dressing and disposal of waste material and vegetation at a place outside ROW				
4 4 1	In 1 m width from Shoulder edge on side slopes of embankment on both sides of the carriageway (Frequency of cleaning will be six times in a year however limited to only areas prone to growth of rank/ undesirable vegetation and weeds) as directed by Engineer in Charge	Sqm	2040000	0 81	1,658,826 00
4 4 2	Side slopes of embankment (excluding 1m width from shoulder edge) up to toe line on both sides of the carriageway. (Frequency of cleaning will be two times in a year however limited to only areas prone to growth of rank/ undesirable vegetation and weeds) as directed by Engineer-in charge	Sqm	2550000	0 81	2,073,532 50
4 4 3	From Toe line of embankment slopes to ROW on both sides of the carriageway (Frequency of cleaning will be one time in a year however limited to only areas prone to growth of rank / undesirable vegetation and weeds) as directed by Engineer-in charge	Sqm	3000000	0 81	2,439,450 00
4 5	Carrying out proper cleaning, and removing of dust/silt/thrash/plastic/rubbish/ garbage/waste from the each carriageway, footpaths, verges (excluding the verges of central median) by mechanical and manually from shoulders upto Toe line of the embankment including side slopes manually and disposing of the waste material at a suitable place outside ROW as directed by the Engineer				
4 5 1	Abadi Portion (Frequency of cleaning once in a month)	Km	216	1,749 11	377,808 51
4 5 2	Remaining area (Frequency of cleaning will be quarterly)	Km	2256	1,399 17	3,156,536 54
4 5 3	Service Road (Frequency of cleaning once in a month)	Km	720	1,982 22	1,427,195 84
4 6	Providing localised repair to rutted portion of bituminous surface at scattered locations by applying tack coat as per Technical Specification Clause 503 and then filling the depression with bituminous concrete by using paving grade bitumen conforming to Technical Specification Clause no. 509, complete in all respect as directed by the Engineer	Cum	150	5,536 83	830,524 31
4 7	Providing treatment and repair to pot holes/ patch repair of all types of bitumen pavement complete as per technical specification Clause 3004 2, and as per direction of Engineer				

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Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
4 7 1	Carrying out patch repair with Hot Bituminous Concrete up to 40 mm thickness after removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides & base of excavation as per clause no. 503 back filling the patch with hot bituminous material as per clause no. 509 Compacting trimming & finishing the surface to form a smooth continuous surface all as per clause no. 3004 2 of Technical	Sqm	600	221.48	132,885.39
4 7 2	Carrying out patch repair with Bituminous Cold Mix up to 40 mm thickness after removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides & base of excavation as per clause no. 503 back filling the patch with hot bituminous material as per clause no. 509 Compacting trimming & finishing the surface to form a smooth continuous surface all as per clause no. 3004 2 of Technical	Kg	1500	11.04	16,565.33
4 8	Clearing road side/Median open lined/ pucca drains to bring them to original shape, drainage capacity including disposal of sediments, extraneous debris & vegetation growth blocking the free flow from site outside ROW with all leads and lifts complete in all respects as directed by the Engineer in charge and as per Additional Maintenance Standard clause no. 5.5.1. (Frequency of cleaning in urban areas will be quarterly whereas in rural areas it will be twice in year i.e. before and after monsoon).				
4 8 1	Drains having cross sectional area more than 0.3 Sqm	Rmt	30000	16.86	505,821.00
4 9	Clearing slab/ box type culverts and pipe culverts including clearing, cleaning and reshaping of upstream and down stream faces of these culverts with in right of way. The job includes disposal of excess material recovered from site including vegetation outside ROW with all leads and lifts complete in all respect as per direction of Engineer-in-charge. (Frequency of cleaning will be two times in a year i.e. before and after monsoon).				
4 9 1	Bridge	No.	36	6,412.84	230,862.29
4 9 2	Slab & Box Type Culverts	No.	30	1,457.30	43,719.11
4 9 3	Pipe Type Culverts	No.	120	1,924.09	230,890.40
4 10	Excavation for foundation in earth soil at all types sand, gravel and soft moorum including removing the excavated material with all lifts & upto a distance of 50 mtr beyond construction area & stacking and spreading as directed, dewatering, preparing the bed, for the foundation and necessary back filling, ramming, watering including shoring &	Cum	15	75.57	1,133.51
4 11	Cement concrete of specified mix as under with stone aggregates 20mm nominal size mechanically mixed and vibrated in foundation, sub-structure and superstructure including shuttering/ formwork conforming to MOST				
4 11 1	Cement concrete M 15 grade	Cum	30	2,448.42	73,452.47
4 11 2	Cement concrete M 20 grade	Cum	90	3,002.39	270,214.75
4 11 3	Cement concrete M 25 grade	Cum	90	3,614.49	325,303.79
4 12	Providing & fixing in position TMT steel bar reinforcement of various diameters for RCC work as per detailed design, drawing and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required etc. complete.	MT	3	31,889.23	95,667.70
4 13	Providing & fixing AC/PVC pipe of 100 mm dia for weep hole as directed by Engineer-in-Charge	No.	75	93.00	6,975.37
4 14	Providing uncoursed rubble trap/ quartzite/ gneiss stone masonry in cement mortar 1:6 for parapet etc. including pointing the exposed faces with cement mortar 1:3 including scaffolding and watering masonry complete.	Cum	3	1,199.39	3,598.17
4 15	Repairs to existing uncoursed rubble trap/ quartzite/ gneiss stone masonry in cement mortar 1:6 for parapet etc. including pointing the exposed faces with cement mortar 1:3 including scaffolding and watering masonry complete.	Cum	3	779.66	2,338.99
4 16	Cleaning, removing, clearing of dust and dirt from the existing metal crash barrier and pedestrian guard rail by washing with water & detergent etc. complete as directed by Engineer.	Rmt	30000	2.91	87,153.00
4 17	Carrying out routine maintenance to all types of road signs complete as directed by the Engineer and as per Additional Maintenance Standard Clause 6.12.4 of the bid document.				
4 17 1	Road sign Boards mounted on single post	No.	300	98.24	29,471.48
4 17 2	Road sign Boards mounted on double post	No.	300	149.39	44,817.08
4 17 3	Overhead gantry road sign boards	No.	18	2,554.21	45,975.75
4 18	Carrying out repair to road signs including strengthening resetting or otherwise repairing signs made out of Retro Reflective sheets. Job includes patch repair to aluminium sheet, R R Sheet, posts, signs / script and repainting of posts at damaged location / positions with approved quality of enamel paint complete in all respect conforming to respective IRC/MOST Specifications and as per Additional Maintenance				
4 18 1	Road sign Boards mounted on single post				
4 18 1 i)	Repairs to Sign Post including cutting, bending, fabricating, welding, painting (2 Coats), fixing in concrete etc. complete	No.	6	1,690.41	10,142.44
4 18 1 ii)	Repairs/ Replacement of Sign Plate including fabricating, fixing in concrete etc. complete	No.	6	2,006.63	12,039.79
4 18 2	Road sign Boards mounted on double post				
4 18 2 i)	Repairs to Sign Post including cutting, bending, fabricating, welding, painting (2 Coats), fixing in concrete etc. complete	No.	90	4,780.56	430,250.80


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Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
4 18 2	ii) Repairs/ Replacement of Sign Plate including fabricating, fixing in concrete etc complete	Sqm	90	3,732.49	335,924.15
4 19	Painting two coats on old surface after minor repairs to give an even and smooth surface and printing letters and figures with 1st quality synthetic enamel paint of approved brand and manufacture complete in all respect conforming to respective				
4 19 1	Hectometre stones	No	150	17.44	2,615.63
4 19 2	Kilometre stones	No	255	59.29	15,119.06
4 19 3	5th Kilometre stones	No	75	120.33	9,024.40
4 20	Repair of damaged single faced W-Beam Metal Crash Barrier made out of members. Job includes repair of old damaged members by straightening the members and removing & repairing all the existing dents as well as other defects and neatly refixing the repaired members as directed by Engineer in charge including fasteners and fixing etc	Rmt	3000	204.03	612,093.45
4 21	Providing and erecting signs with corrosion resistant 2 mm thick aluminium alloy sheet with very high intensity micro- prismatic grade sheeting as per clause 801.3.7 on already existing trusses for over head gantry as per direction of Engineer	Sqm	180	3,264.55	587,618.47
4 22	Providing & Pasting 75mm X 75mm size reflective stickers of 3M make & of specified colour over MBCB posts, Highway Lighting Foundations etc as directed including removal of damaged stickers, all leads & lifts, taxes & duties, Tools & Tackles, transportation, manpower etc complete	No	9000	11.04	99,391.95
4 23	Maintenance of Toilet blocks & drinking water kiosk of truck lay by including manning with sweeper and keeping hygienic condions of area and regular supply of drinkwater in provided water tank upto satisfaction of engineer	No	144	6,995.88	1,007,406.28
4 24	Excavation in earth soil at all types sand, gravel and soft moorum in Medians including removing the excavated material with all lifts & upto a distance of 500 mtr beyond construction area as directed etc complete	Cum	75	75.57	5,667.55
4 25	Providing & Filling Black Cotton Soil in Median & Service Road Divider including all taxes, duties, royalties and including stacking & spreading as directed etc complete	Cum	900	192.41	173,169.68
4 26	Maintenance of Central Median Plants which shall cover and include the following activities -				
4 26 1	(i) Basin Making & Hoeing Basin making & Hoeing of central median plants including cleaning and removal of excess earth from central median etc complete	Km	120	149.97	17,996.89
4 26 2	(ii) Cleaning of Longitudinal & Cross Drains in Median Cleaning of longitudinal and cross drains in central median including disposal of all muck outside ROW regularly to keep longitudinal and cross drains clean and free from garbage etc	Km	60	59.92	3,594.96
4 26 3	(iii) Watering Watering of each central median plant as and when required depending upon the climatic conditions of the locality/ region/ season/ strictly as per direction of Engineer in Charge. The main requirement is to keep central median plants/ shrubs in healthy, good and surviving condition. The casualty / damage to any central median plant/ shrubs during the maintenance period will be the entire responsibility of the contractor and the contractor shall replace the dead & damaged central median plants/shrubs at his own cost with new plants of the same species, varieties, age and size etc Generally watering of Central Median Plants shall not be done during the monsoon period from July to September. However, if the watering is instructed by the Engineer during monsoon period, the same shall be arranged by the Contractor at mutually agreed rates but not exceeding	Km	2160	1,051.56	2,271,375.65
4 26 4	(iv) Fertilisers & pesticides Application of Fertilisers and Insecticides/ Pesticides/ Fungicides for control of insects, pests and diseases on shrubs/ plants of central median as and when required as per direction of Engineer etc complete	Km	30	59.87	1,796.23
4 26 5	(v) Pruning Training and pruning of all shrubs /plants in central median as and when required to give them required shape, size and spread as per direction of Engineer etc complete	Km	30	180.20	5,405.99
4 27	Maintenance of Avenue Plants which shall cover and include the following activities -				
4 27 1	(i) Basin Making & Hoeing Basin making & Hoeing of Avenue plants including cleaning and removal of excess earth etc complete	Km	150	180.20	27,029.94
4 27 2	(ii) Watering Watering of each Avenue plant as and when required depending upon the climatic conditions of the locality/ region/ season/ strictly as per direction of Engineer in Charge. The main requirement is to keep Avenue plants/ shrubs in healthy, good and surviving condition. The casualty / damage to any Avenue plant/ shrubs during the maintenance period will be the entire responsibility of the contractor and the contractor shall replace the dead & damaged Avenue plants/shrubs at his own cost with new Generally watering of Avenue Plants shall not be done during the monsoon period from July to September. However, if the watering is instructed by the Engineer during monsoon period, the same shall be arranged by the Contractor at mutually agreed rates but not exceeding	Km	4455	1,652.62	7,362,420.54
4 27 3	(iii) Fertilisers & pesticides Application of Fertilisers and Insecticides/ Pesticides/ Fungicides for control of insects, pests and diseases on Avenue plants as and when required as per direction of Engineer etc complete	Km	30	59.87	1,796.23
4 27 4	(iv) Pruning Training and pruning of all Avenue plants as and when required to give them required shape, size and spread as per direction of Engineer etc complete	Km	30	149.97	4,499.22
4 28	Breaking & Removing upto the width & depth as instructed by The Engineer-in-charge and disposal of dismantled material upto a lead of 2 Kms, cleaning of site etc complete				
4 28 1	Dismantling of Flexible Pavement	Cum	187.5	174.97	32,806.17

Sl. No.	Description of Items	Unit	Qty.	Rate in Rs.	Amount in Rs.
4 28 2	Dismantling of Plain Cement Concrete	Cum	15	250.54	3,758.11
4 28 3	Dismantling of reinforced Cement Concrete	Cum	15	338.31	5,074.68
4 29	Providing Following equipments in running condition on hire basis including running and maintenance charges as per instructions of the Engineer including P.O.L. complete as per				
4 29 1	Tipper 6 Cum Capacity	Hour	900	469.69	422,719.16
4 29 2	Tractor with trolley	Hour	2160	119.75	258,656.76
4 29 3	JCB	Hour	7200	555.72	4,001,148.36
4 29 4	Hydra Crane (12MT)	Hour	720	555.72	400,114.84
4 29 5	Excavator (EX-200)	Hour	24	1,124.80	26,995.25
4 30	Providing and supply of Following material for misc works as when required basis as per instruction of the Engineer				
4 30 1	Cement (OPC 43/53 Grade)	Bag	15	183.10	2,746.57
4 30 2	Reinforcement Steel	MT	1.5	23,251.78	34,877.67
4 30 3	Aggregate - 40 mm	Cum	6	335.99	2,015.94
4 30 4	Aggregate - 20 mm	Cum	6	423.19	2,539.11
4 30 5	Aggregate - 10 mm	Cum	6	362.14	2,172.86
4 30 6	Stone Dust	Cum	6	140.09	840.55
4 30 7	Natural Sand	Cum	6	140.09	840.55
4 30 8	Hard Murum	Cum	6	112.77	676.62
4 31	Providing and supply of Following manpower for misc work as when required basis as per instruction of the Engineer				
4 31 1	Mate/ Supervisor	Day	150	544.00	81,600.00
4 31 2	Helper/Beldar/ Coolie	Day	1500	656.00	984,000.00
4 31 3	Skilled labour	Day	180	656.00	118,080.00
4 32	Providing and fixing water proof Solar LED Blinkers of dia 300 mm amber colour, polycarbonate luminary with solar panel & Battery complete, working time 24 hours including Mild steel pole height of 5m with 80mm dia, painting & fixing in foundation with M20 concrete of size 450x450x900 mm with all lead/lift, labour and materials including tax, etc complete.	each	150	8,131.50	1,219,725.00
4 33	Avenue plantation: -The scope of work includes digging of plantation pits of size 1'x1'x2' deep.refilling of pits with manure and good earth , supplying and planting of sapling of hight 4 to 5 feet , bund making for watering ,supply and stacking manure etc Withn ROW	each	30000	62.55	1,876,500.00
4 34	Median Plantation: - Supplying and planting of median plant (Bougainvillea or any other approved quality of anti-grazing species) of 2 to 3 feet height sapling within median in 0.30 m dia pit 0.60 m deep dug in the ground, filling of good earth, mixing the soil with decayed farmyard/ sludge manure, pesticides, backfilling the trench, bund making around plant for watering and all other necessary activities for complete job as per instruction of Engineer in Charge	each	30000	49.98	1,499,323.50
4 35	Median Weeding Cleaning, levelling and dressing of central median, uprooting and removal of weeds, cutting grass, disposal of all muck outside ROW regularly to keep central median clean and plantation in healthy and good condition etc	sqm	2550000	0.81	2,073,532.50
4 36	Supply and installation of water proof Solar LED Blinkers of dia 300 mm amber colour, polycarbonate luminary with solar panel & Battery complete, working time 24 hours	each	300	5,768.50	1,730,550.00
4 37	Operation & maintenance of Highway Lighting between km 236+000 to 332+100 on NH-3 in the state of Madhya Pradesh inclusive of all costs towards electricians, labours, transport, ladders, tools & plants, all taxes, duties, cess, insurance, etc complete as per attached terms and conditions at Annexure-I.	Month	36	87,000.00	3,132,000.00
4 38	Carrying out Bump Integrator Test for Riding quality of road surface of Shivpuri-Guna section of NH-3 from KM 236+000 to KM 332+100 in the State of Madhya Pradesh as per MORTH specifications	Per km per lane	2346	425.00	997,050.00
Amount of Section: 4					46,341,218.23
Total Amount of sections (1+2+3+4)					84,841,860
Add GST @ 18%					15,271,535
Total Amount Including GST					100,113,395

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25/04/2023