

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
**(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)**  
**NAAC Accredited with A++ Grade**



**TENDER DOCUMENT**

**FOR**

**Widening & strengthening of Existing Road in front of New  
Academic Block**

**Tender, 2023-2024**

The tender documents contains pages 08 from page no.01 to 08

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**TENDER NOTICE**

Sealed tenders are invited from eligible registered MPPWD/CPWD Contractors, having GST/PAN number and Income tax return Form.

<b>Cat.No.</b>	<b>Category of Tenders</b>	<b>Earnest Money (Rs.)</b>	<b>Cost of Tender form Rs.</b>
1.	Widening & strengthening of Existing Road in front of New Academic Block	20,000/-	1,000/-

The tender form can be obtained from the accounts office, on or before up to 14-10-2023 2:00 PM by depositing the cost of tender form in cash (Non-refundable) during Institute working hours. The last date for the submission of completed tender form is up to 14-10-2023 3:00 PM and tenders will be opened on 14-10-2023 @ 4:00 PM in the presence of the tenderers or their representatives. The tender documents can be downloaded from the institute website [www.mitsgwalior.in](http://www.mitsgwalior.in). The tenders directly downloaded from the Institute website, must be attached with a demand draft of Rs 1000/- in favor of the Director, MITS, Gwalior, payable at Gwalior, as the cost of tender form.

**DIRECTOR**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**GENERAL TERMS AND CONDITIONS**

1. Tender documents can be obtained against cash payment/DD of Rs.1000/- in favour of DIRECTOR, MITS, Gwalior payable at Gwalior (non-refundable) on or before 14-10-2023 upto **02:00 PM** from the Institute during working days. The tender form can also be directly downloaded from the institute website **www.mitsgwalior.in** and shall be enclosed with tender form fees of Rs.1000 in form of a D.D. in name of Director, MITS, payable at Gwalior.
2. Earnest money amount of **Rs. 20,000/-** deposit (EMD) is to be submitted directly as per item Head along with the completed tender form duly sealed in 1<sup>st</sup> cover. The EMD shall be in the form of Demand Draft in favour of the **Director, MITS, Gwalior** payable at Gwalior.
3. Eligibility Criteria for applying for the tender:-
  - A. Valid GST Number is compulsory.
  - B. MPPWD/CPWD Registration
  - C. Past Experience Certificate of similar works (road works) with proof & Justification.
  - D. Valid PAN Card.
  - E. Proof of the Latest Income Tax Return.
  - F. List of plant & machineries (self owned)

These certificates are to be put inside the 1<sup>st</sup> envelope.

4. The tenderers shall submit the tender in two sealed envelopes marked as 1<sup>st</sup> and 2<sup>nd</sup>. The first envelope should contain the E.M.D. , Tender Cost (if downloaded from institute website) and copies of all relevant documents pertaining to eligibility criteria and the second envelop should contain the tender form of the price bid. In case the 1<sup>st</sup> cover is not annexed for eligibility criteria in the proper form as mentioned above in clause (3) and/or is without E.M.D. the envelop marked 2<sup>nd</sup> will not be opened at all and the same will be rejected and no representations shall be entertained in this regard. The sealed covers must be super-scribed with the contents contained therein.
5. The last date and time of submission of tenders is on 14-10-2023 upto 03:00 PM.
6. Tenders will be opened on 14-10-2023 at 04:00 PM. First envelop will be opened from 04:00 PM and the second envelope for the eligible tenderers will be opened on the same date.
7. Validity of the rates will be up to one year.
8. Telegraphic/Fax and conditional tenders shall not be accepted.
9. Director, MITS, Gwalior, reserves the right to accept or reject any or all tenders without assigning any reason thereof, even the lowest tender does not necessarily qualify for the order.
10. The rates should be F.O.R. at site (Institute Premises. No extra charges on this account (for Octroi, sales tax and surcharge, etc) shall be payable to the suppliers.
11. Our Institute is exempted to pay excise duty.
12. The rates should include all material, labour charges, profit & relevant taxes including GST, if any.
13. The tenderers whose tender is accepted shall have to sign an agreement as per the format of institute.
14. Any amount due or becoming due for the tender shall be recovered from their bills.

15. The competent authority reserves the right to increase or decrease the quantity of any item or cell during the period of contract. The tenderers will be bound to comply with the order of the competent authority without any claim and compensation.
16. The rate should be competitive and workable.
17. Any controversy will be subject to display in Gwalior Jurisdiction only.
18. The Income Tax shall be deducted from the bills as per the rules.
19. The whole work should be satisfactorily executed within stipulated time from the date of issue of order i.e. 20 days. Time extension will not be permitted.
20. The tenderers shall execute the work as per specification mentioned in the work order.
21. The contractor must have Sensor paver machine & double drum vibratory roller for the work.
22. Before making any supply of any materials to the Institute, the tenderers or his representative shall get it approved by the competent authority, otherwise the supply shall not be approved. To check the rest of supply, he should submit the approved sample in our office, if items do not belong to reputed or registered make.
23. The tenderer should satisfy himself regarding the magnitude of the work and no claim on this account shall be entertained thereafter.
24. Income Tax shall be deducted from the bill as per rules.
25. 1% CGST and 1% SGST shall be deducted from the bills.
26. 5% Security amount shall be deducted from the bills.
27. The successful bidder has to provide Performance security of 5 % of tender amount for two years in the form of bank gurantee.
28. 1% Labour welfare Tax will be deducted.
29. The defect liability period for the road work should be 2 years from the date of completion
30. M.I.T.S., Gwalior will have rights to check the sample before supply.
31. Payment will be made after the successful and satisfactory completion of work.
32. The contractor/firm have to be completed the assigned works or part of work positively otherwise it will be treated as breach of the contract and deposited earnest money shall be forfeited.
33. The EMD will be returned after submitting the Performance security of 5 % to the institution.
34. The Performance security & SD will be returned after 2 years i.e. after successful completion of defect liability period.
35. The order for the items mentioned in the tender document can be in the parts or whole quantity and will be the sole decision of the Director MITS Gwalior.

**(Dr. R.K Pandit)**  
**Director**

I have studied the above general terms & conditions of contract and shall abide by them.

**Signature with Seal of Contractor/Firm**

**Name:**.....

**Date :**.....

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**BILL OF QUANTITIES**

S.no	SOR	Item no	Item Description	Unit	Rate	Qty	Amount
1	MPSOR 2022 for building works vol-2	15.13	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	sqm	31	310	9610
2	MPSOR 2022 for road & bridges 25-03-2022	3.1	Excavation in Soil by Manual Means :Excavation for roadway in soil including loading and unloading in/from truck for carrying of suitable cut earth to embankment site and disposing off unsuitable earth with all lifts and lead upto 1000 metres as per clauses of section-300.	cum	156	150	23400
3	MPSOR 2022 for road & bridges 25-03-2022	1.1.2	Transportation By Mechanical Transport including loading , unloading and stacking. Excavated/compacted ordinary & other soil. 2 km	cum	88.21	150	13231.5
4	MPSOR 2022 for road & bridges 25-03-2022	4.1	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	934	45	42030
5	MPSOR 2022 for road & bridges 25-03-2022	4.8.ii.a	Water Bound Macadam Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per clause 404 of specification. (ii) Grading- II (53 to 22.4mm) (a) Using Screening Type-B (11.2mm Agg.)	cum	1250	60	75000
6	MPSOR 2022 for road & bridges 25-03-2022	5.1	Prime coat Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying primer at the rate of 0.75 kg/sqm using mechanical means as per clause 502 of specifications.	sqm	37	200	7400
7	MPSOR 2022 for road & bridges 25-03-2022	5.2.ii	Providing and applying tack coat with cationic 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. @0.30 kg per sqm (dry & hungry bituminous surfaces /granular surfaces treated with primer)	sqm	16	1600	25600

8	MPSOR 2022 for road & bridges 25-03-2022	5.4.b.i i	Bituminous Macadam Providing and laying bituminous macadam using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with Electronic Sensor paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction and as per clause 504 of specifications. Using Drum Mix Plant of appropriate capacity.for GradingII(19 mm nominal size) bitumen content 3.5% with bitumen 60/70 (VG 30)	cum	5298	20	105960
9	MPSOR 2022 for road & bridges 25-03-2022	5.6.a.v	Bituminous Concrete Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 % 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, vibratoryand tandem rollers to achieve the desired compaction as per clause 507 of specification.for Grading-II (30-40 mm thickness ) Bitumen Content minimum 5.4%with 60/70 bitumen(VG-30)	cum	9581	55	526955
10	MPSOR 2022 for road & bridges 25-03-2022	5.11.ii	Seal Coat Providing and laying seal coat, sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A and B seal coats, all complete as per clause 511 of Specification. Case - II : Type B (Providing and laying of premix sand seal coat using HMP of appropriate capacity not less than 75 tonnes/ hours using crushed stone chipping (aggregate shall pass 2.36mm seal and retained to 180 micron sieve) and penetration bitumen VG 30 of suitable grade all complete as per clause 511 of specification.	sqm	49	200	9800
11	MPSOR 2022 for road & bridges 25-03-2022	12.6.A	Providing and laying Plain/Reinforced cement concrete in open foundation including form work shuttering etc. complete as per drawing and technical specifications and as per relevant clauses of sections 1500, 1700 & 2100 with .PCC Grade M15	cum	4617	3	13851
12	MPSOR 2022 for road & bridges 25-03-2022	6.15.a	Providing and laying reinforced cement concrete pipe NP-4 for service ducts below concrete pavement.300 mm Dia	rm	713	30	21390
13	MPSOR 2022 for road & bridges 25-03-2022	8.25	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 beed, minimum 30% of brand like Asian, Burger or equivalent make of 2.5 mm thick including drop down reflectorizing, glass beeds @ 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beeds 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	636	135	85860

14	MPSOR 2022 for road & bridges 25-03-2022	8.2.1	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 lo specifications of Section-5 of IRC:35-2015 and clause 804.2.2 of MORT&H and Section-5 of IRC:35-2015. he 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 o 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.	nos	673	160	107680
15	MPSOR 2022 for road & bridges 25-03-2022	8.3.i	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 overAluminum 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.90 cm equilateral triangle	each	4184	4	16736
				<b>Total (rs)</b>		<b>10,84,503.50</b>	
				<b>Add GST @ 18 %</b>		<b>1,95,210.63</b>	
				<b>Grand Total (rs)</b>		<b>12,79,714.13</b>	
				<b>Say (rs)</b>		<b>13 lacs</b>	

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**FINANCIAL BID**

<b>S.No.</b>	<b>Category of Tenders</b>	<b>Probable amount of contract (rs)</b>	<b>Rates Quoted (Above/below/at Par of SOR Rates)</b>	<b>Tender Amount (rs)</b>
1.	Widening & strengthening of Existing Road in front of New Academic Block	13,00,000/-		

**Name of the Vendor:**

**Seal or Signature:**

**Date:**