



# **MADHYA PRADESH POWER GENERATING CO. Ltd.**

**OFFICE OF THE ADDL. CHIEF ENGINEER (P&W),  
SHREE SINGAJI THERMAL POWER PROJECT, MPPGCL,  
Dongalia Distt. Khandwa (MP)**

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**515-1700/Civil/SSTPP/MPPGCL/WT-2971/T-2026\_MPPGC\_483447/ 971**

**Date 06.05.2026**

**Subject:** Work of installation of road signage board, Road marking, road safety convex mirror and speed breaker for the safety of road areas inside Shree Singaji Thermal Power Plant Stage-II (2x660 MW) MPPGCL, Dongalia Distt. Khandwa.

**TENDER NO. T-2026\_MPPGC\_483447**

## **TENDER SCHEDULE / SCOPE OF THE WORK**

Scope of Work:-

The Contractor shall provide all materials and perform all work and services of whatsoever nature or description as per schedule of works and as per the Engineer in charge. (As detailed in Annexure Below):

**ANNEXURE**

**(PERCENTAGE RATE TENDER)**

### **MPPWD SOR w.e.f 11.04.2025 for Road and Bridges:**

<b>S.N</b>	<b>SOR NO</b>	<b>Description of item</b>	<b>Unit</b>	<b>Qty</b>
1	<b>Road &amp; Bridges PWD SOR w.e.f. 11.04.20 25 Item No. 8.3</b>	Retro- reflectorised Traffic signs Providing and fixing of retro- reflectorised cautionary, mandatory and inforatory sign board as per IRC 67-2022 made of high intensity Micro-Prismatic Grade Sheeting (Type IV) vide IRC: 67:2022 clause 6.7.3.2 and clause 801.3.3 of MoRT &H fixed over Aluminum composite material sheet with hermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminum with overall thickness of 4mm and luminum skin of thickness 0.3 on both side, the ACM shall conform to Table 6.1 of IRC:67:2022 and Table 800-1 of MoRT &H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC:67:2022 and Table 800-3 of MoRT &H specification of in the clause 6.8 of the IRC 67-2022 and clause 801.3.7 of MoRT&H 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 brand like 3M/Avery Dennison/ Orafol Make as per clause 6.9 of IRC: 67:2022 & a certified copy for three years for outdoor exposure report from an independent test lab as per clause 6.7 of IRC: 67:2022 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. ( <b>MPPWD SOR w.e.f. 11.04.2025</b> )		
		i) 60 cm equilateral triangle for Warning sign board	Each	20
		ii) 60 cm circular for Regulatory sign board	Each	20
		iii) 80 cm x 60 cm rectangular for inforatory sign board	Each	25

2	<b>Road &amp; Bridges PWD SOR w.e.f. 11.04.20 25 Item No. 8.38</b>	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beeds on Bituminous surface. Providing and applying (Cleaning of Bituminous surface) thermoplastic compound having composition of binder (Resin) 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. <b>(MPPWD SOR w.e.f. 11.04.2025)</b>	Sqm	270.60
3	<b>Road &amp; Bridges PWD SOR w.e.f. 11.04.20 25 Item No. 8.21</b>	Supplying and installation road delineators (road way indicators). as per MORT&H Clause 806. The structure shall be made in roll forming process having height of 800-900 mm above the ground level, width not less than 100 mm and shall extend not more than 200-300mm below the ground while being installed, buried or pressed in to the ground in confirmation with IRC:79: 2019, are as directed by the Engineer-in-Charge. The guide post with pure polyester powder coating with minimum 40 microns thickness for protection against corrosion, on top of which Type XI retro reflective sheeting conforming to IRC-67 and ASTM D-4956 shall be pasted on both sides complying to IRC:79:2019. The delineator should consist of minimum retro reflective unit exposed area of 330 cm <sup>2</sup> white color, full cube corner micro prismatic non-metallic retro reflective sheeting on each side conforming with IRC 67:2022 and meeting the coefficient of retro reflection values as per ASTM D 4956 Type XI label specification. The delineator shall have grooves across the- length to make the reflective sheets vandal-proof. <b>(MPPWD SOR w.e.f. 11.04.2025)</b>	Each	100
4	<b>NSOR</b>	Providing and laying rounded hump type of Speed Breaker confirming to IRC – 99 and as per guidelines and drawings of NRRDA circular no. DO No. P-17019/6/2006/PII Dated 16 Sept 2009, including providing, laying and compaction of GSB, G II, G III, OGPC, Seal Coat Type B, as perspecifications and appended drawing on both the sides of carriage way up to formation width maintaining rounded hump type shape with bituminous mix material i/c providing and painting of black and white strips, providing and fixing of two no. 600mm equilateral retro reflecting sign boards, i/c cost of all materials, labour T & P & Machinery etc complete on flexible or rigid pavement and as directed by engineer in charge as per relevant clauses of MORD specifications.		
		(A) For 7.50 M Formation Width <b>(Base Rate Rs. 29400.00 Per Each)</b>	Each	12
		(B) For 6.00 M Formation Width <b>(Base Rate Rs. 23191.00 Per Each)</b>	Each	15
5	<b>NSOR</b>	Road Safety Convex Mirror Providing and fixing Pole mounting (50mm dia steel pole of standard height) 800 mm dia strong unbreakable highly reflective road safety convex mirror body made up of play carbonate having large viewing angle from standard distance (minium 6m) firmly) fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 450mm x 45 mm x600 mm as per IRC guideline/ MoRT&H Technical Specification Clause 801 <b>(Base Rate Rs. 6519.50 Per Each)</b>	Each	6

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**EXECUTIVE ENGINEER (P&W)**  
**SSTPP, MPPGCL, DONGALIA**

Signature of Tenderer