

SAARTHI ENTERPRICES

Near ISKCON NVCC Temple, Gokulnagar, Katraj-Kondhwa Bypass Road, Katraj, Pune - 411048

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Heavy Structure Specification

(Including Walkway, Ladder, and Sprinkler System)

1. Solar Panel

- **Make:** Waaree
- **Type:** TOPCon Bifacial
- **Technology:** N-Type

2. Inverter

- **Make:** Waaree

3. Structure

- **Material:** Apollo
- **Design:** Fabricated with proper welding
- **Pipe Size:** 80×40 mm, 2 mm thickness
- **Unistud:** 2 mm thickness, *Make – JSW*
- **Studs:** GI with powder coating
- **Tilt Angle:** Standard as per project location

4. Cables & Conduits

- **AC Cable:** Polycab
- **DC Cable:** Waaree (for all DC connections)
- **Conduit Pipe:** Polycab HMS
- **Flexible Pipe:** Steel reinforced type
- **Earthing Cable:** 16 sqmm
- **Cable Tie:** 8 mm thick

5. Clamps, Fasteners & Accessories

- **Clamps:** Jindal
- **Fasteners:** Power/Nakoda 10×75
- **Screw:** Stainless Steel (SS) 2-inch
- **Plate:** 6-inch square, 5 mm thick

6. Earthing System

- **LA (Lightning Arrester):** Copper bonded, 1 meter, 17 mm thick
- **Earthing Rod:** 1 meter, 17 mm thick copper bonded
- **Earthing Chamber:** 9 inch
- **Earthing Plate:** 6-inch square, 5 mm thick

7. Electrical Components

- **ACDB & DCDB:** Havells or Sibbas
- **Meter:** HPL

8. Construction Details

- **Base:** Concrete block foundation
- **Cement:** UltraTech
- **Vertical Legs:**
 - 3 kW System – 6 vertical legs
 - 5 kW System – 8 vertical legs

9. Warranty & Training

- **Warranty:** 5 years comprehensive warranty on the entire setup
- **Maintenance Training:** Free training provided to company employees

10. Sprinkler System

- **Make:** Reputed brand (standardized for industrial solar use)