



THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANPATH, BHOI NAGAR, BHUBANESWAR-22.
Tel: 0674-2541545, 2542921, Fax: 0674-2541543,
E-mail: jmelectricalophwc@gmail.com, Web: www.ophwc.nic.in

SHORT TENDER CALL NOTICE NO : 26/JM/ELECT/OPHWC/2019-20

2ND. CORRIGENDUM

In continuation to the Bid Reference No:-26/JM/ELECT/OPHWC/2019-20 uploaded in the Website: www.ophwc.nic.in of this office & corrigendum issued on 22.11.2019 the following 2nd corrigendum is being issued on the items stated below. All other terms & conditions remain unchanged.

**1. Sl. No-2 of Technical Specification (MODULE MOUNTING STRUCTURE)
(Page No- 13&14) is modified and may be read as :-**

- Module mounting structures should be non-invasive type.
- The structures should be laid on the ground on whether resistant FRP mountings which should be non-penetrating type and proper drainage of rain water over ground through the installation area should be maintained.
- The structures should be suitably loaded with re-enforced concrete blocks of appropriate weight made out of M25 concrete mixture.
- Special care should be taken while designing all structures for modules to cater to heavy rainfall.
- PV array shall be installed in the ground free from any obstruction and /or shadow.
- PV array shall be installed utilizing optimum ground space to minimize effects of shadows due to adjacent PV panel rows.
- Adequate spacing shall be provided between two panel frames and rows of panels to facilitate personnel protection ease of installation, replacement, cleaning of panels and electrical maintenance.
- The minimum clearance between lower edge of PV panel and terrace ground level shall be 500mm to allow ventilation for cooling, also ease of cleaning and maintenance of panels as well as cleaning of terrace.
- The PV array structure design shall be appropriate with a factor of safety of min. 1.5.

- Each PV panel structure shall incorporate one bird repellent spike at a level higher than the panel upper edge. The location of the spike should be selected for minimum shadow effect.
 - The support structure shall be free from corrosion when installed.
 - PV modules shall be secured to support structure using screw fasteners and / or metal clamps. Screw fasteners shall use existing mounting holes provided by module manufacturer. No additional holes shall be drilled on module frames. Module fasteners / clamps shall be adequately treated to resist corrosion.
 - Adequate spacing shall be provided between any two modules secured on PV array for improved wind resistance.
 - The structure shall be designed to withstand operating environmental conditions for a period of minimum 25 years.
 - The total load of the structure (when installed with PV modules) on the ground should be less than 50 kg/m². The load shall be well distributed so that point loads are well within the limits.
 - The structure should be appropriate designed to withstand high wind velocities up to 180-220 km per hour. (The bidder is required to submitted a certificate from an authorized chartered engineer with regards to the strength and durability of the structure).
- 2.The submission of bid documents should be in single cover (including Technical bid &price bid) for each group separately. (Also refer Sl.No- 2&11 of IFB).
- 3.The quantity mentioned in price bid vide Sl. No-7, 8, 9, 10, 14, 17, 18, 19, 20 & 22 is amended to **“as per requirement and design”** in place of specified quantity.

Sd/-
Joint Manager (Elect.)