

PRICE BID

Bidder should quote the rates in the online e-tender portal taking into consideration all the activities and works covered under the scope of the contract mentioned in the tender document. The rate quoted shall be firm and shall include costs (excluding GST):

SI No	Description	Unit	Qty	Unit Rate	Total Amount (Excluding GST)
1	<p>Supply, Installation, Testing and Commissioning including 5 years warranty of grid connected roof-top solar photovoltaic power system of 3 KWp capacity with bi-directional net metering. The scope of work includes costs (excluding GST) of Solar Photovoltaic Power Plant conforming to MNRE specifications as amended, consisting of Mono Crystalline silicon solar cells, net metering facility, necessary protections, earthing, mounted on GI structure of suitable strength with following components complete as required:-</p> <p>a) Solar Photovoltaic Module of capacity 500 Wp or above, manufactured in India, conforming to IS 14286/IEC 61215, IS/IEC 61730-Part-1, IS/IEC 61730-Part-2. Solar Photovoltaic Module conversion efficiency shall not be less than 16.5%. PV modules used in solar power plants/ systems must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years.</p> <p>b) Power Conditioning Unit (PCU) of 300-600 V DC Input voltage range and 230 V AC, single phase, 50Hz +/- 2.5 Hz, output voltage suitable to generate AC Power with efficiency not less than 93%, total harmonic distortion less than 3% and suitable for ambient temperature from 0 to 50 degree. The PCU shall adjust the voltage and frequency level to suit the Grid Voltage Frequency.</p> <p>c) Data Monitoring System complete with accessories.</p> <p>d) Fixing of Array junction box & Main junction box with IP 65 protection and termination arrangement for incoming and outgoing cable along with glands, lugs and other accessories etc. as required.</p> <p>e) Lightning and surge voltage protection with dedicated earth pits. Bidder has to lay suitable size copper earth flat/strip from earth pit to each array of solar power plant including inverter. Earth strip should be painted with two coats of red oxide primer and one coat of anti rust green paint with his cost.</p> <p>f) Connections & Interconnections by supplying & fixing required size XLPE insulated copper conductor 1.1 kV grade armoured power and control cables between solar modules, main</p>	Nos	5		

Signature of the contractor

<p>power cable to grid supply PCU unit along with supplying & fixing of necessary channel/conduit lugs and other accessories etc. as required. The scope of work includes supply and laying of suitable size armoured aluminium cable (Max length of the cable is 50 Rmt) from ground floor main panel to Solar AC DB near inverter.</p> <p>The Scope also includes</p> <ul style="list-style-type: none"> (i) getting necessary approvals from Government Authorities like TANGEDCO, CEIG/CEA as per the site requirement including fees and other incidental expenses to be paid (ii) loading, transport, unloading and shifting of the above materials to the terrace irrespective of the height and number of floors as per site requirement (iii) Assembling of all the components, parts, fabrication and erection of the supports for the Solar panels and Installation of the entire system (iv) wastage of materials during execution (v) Water and power required at the site for execution of the work at the site (vi) temporary works such as scaffolding, cleaning the site before and after the installation of the system, disposing all the debris generated during the work (vii) all type of Insurance Charges covering men and materials, transit insurance, third party insurance etc (viii) All applicable taxes like levies, Octroi (if applicable), local body taxes (if applicable) etc excluding GST (ix) comprehensive warranty and maintenance of the entire system for 5 years including cleaning the system atleast twice in a month. (x) Overheads, profit, statutory expenses, incidental charges and all related expenses to complete the work etc 				
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Note: Prices should be quoted only online