

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY  
LTD(CIN NO- U40109MH2005SGC153646)**

Office of The Executive Engineer MSETCL EHV O&M, Division,  
Near Market Yard, Bapat Camp, Kolhapur  
Tal: - Karvir, Dist-Kolhapur-416 005  
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EE/EHVO&M/DN/KOP/T/LP/1484

Date:13.12.2022.

**Enquiry for budgetary offer**

**Sub:-** Enquiry for budgetary offers for estimation purpose for Supply, Installation & Commissioning of Rooftop solar PV projects at various EHV O&M Division, Kolhapur.

Dear Sir,

The budgetary offers are invited for the above work as per enclosed Schedules 'A'. You are requested to quote your lowest rate for the above work. The terms and conditions are as follows.

**Terms and Conditions -**

- 1) The rate should be quoted on firm quotation basis.
- 2) The rates should be inclusive of all taxes, duties, etc.
- 3) Your offer should reach this office **on or before Date:- 21.12.2022 till – 18:00 Hrs.**
- 4) Your offer must be in due consideration of technical specifications as mentioned in schedules and with latest configurations for said works.
- 5) **The offer should contain detail calculation for payback period, detail execution plan, etc. required for said work.**
- 6) **The offer should be valid for at least 180 days.**
- 7) **Work orders (if any), executed in any Govt. Organization should be attached.**
- 8) Please note: Enquiry is for only budgetary offer purpose, no work order will be issued on this basis.

**Encl:** Schedule 'A', Tech. Specifications.

(Abhijit C Dhamale)  
**Executive Engineer**  
**EHV O&M Division, Kolhapur**

Schedule-A

**Subject :** Supply, Installation & Commissioning of 05 kWp Rooftopsolar PV project at EHV O&M Division, Kolhapur.

<b>Sr No</b>	<b>Particular</b>	<b>Qty</b>	<b>Unit Rate (Rs.)</b>	<b>Amount (Rs.)</b>
1	Solar Power Generating System (Solar PV Module System of 5kWp) •Solar PV Modules 450Wp - 12nos. • Inverters 05 KW – 1 nos. • Structure –05kWp • ACDB – 1 nos. • Disconnecter-1Nos • DC Cables – 60 mtr • AC Cables – 80 mtr • Earthing - 20mtr • Netmetering	1		
2	Installation & Commissioning of Power System (Solar PV Module System with Net Meter)	1		
	<b>Total</b>			

Note: Mention the applicable taxes & duties, if any

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**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**

**EHV O&M Division, Kolhapur**

REQUIRED MAKE of Roof Top Solar PROJECT for (05kw) solar power Generation

<b>Sr. No.</b>	<b>Item</b>	<b>Proposed Make</b>
1	Solar Module MAKE	Any standard make i.e Vikram /Microtek/Tata / Waaree/ Adani, etc (Mnre Approved)
2	Solar Module TYPE	Poly Crystalline or Multi Crystalline Pv:450 Wp
3	Inverter TYPE	01x05kW, 3ph 98% above Efficiency
4	Inverter MAKE	Any standard make i.e Lento / Delta / Sungrow / ABB etc wifi Enabled
5	Module Mounting Structures	Deep galvanized structure of reputed Make
6	DCFR Cables MAKE (CU TINNED)	Rrkabel/Polycab/Finolex
7	AC Cables	Rrkabel/Polycab/Finolex
8	Earthing System	Utech/Curec + Maintenance Free
9	Lightening Arrestors(ESE)	U-Protect/Equivalent/ Mnreapproved
10	Connectors MAKE	Elmex/Weipbui/Binder/Lc-Transceiver

**NOTE: - Make of the supply should be as per above specified make only.**

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**Executive Engineer**  
**EHV O&M Division, Kolhapur**

## **TECHNICAL SPECIFICATION**

### **A. BASIC TECHNICAL PARTICULARS**

Project Capacity	05KWp
Solar Module	Poly Crystalline or Monocrystalline PV: 450Wp
Solar Module Specification	Capacity: - 450Wp Mono Crystalline or Polycrystalline solar PV module considered for offer preparation Module Efficiency: 16 - 20%, PID Free: Yes Other Specification: 144 Cells. Certificate Compliance : IEC61215, IEC61730, IEC62716, IEC62804, for module IEC61730 Part I&II Total No: Approximately: 12 Nos. Note: DC Capacity may be altered after finalization of order and Depending upon the availability of solar module capacity.
Solar Inverters	Inverter Type: String, as per guidelines & manufacturers given by us. Inverter Efficiency: > 98% at full load Display: Graphical Location / Environment Class: outdoor type with IP65 protection Class Protections available : Over / Under Voltage, Frequency, DC reverse Polarity, Anti-islanding.
Type of Module Mounting	Deep galvanized structure
Module Fixing Tilt Angle	10-12 Degrees
Module Mounting Structures	Wind Speed Design: at 150KMPH/As per IS875
Power Evacuation	Solar Power Generation Level: 415V, 3PhaseAC, 50Hz
DC & Control Cables	1.1KV grade, PVC Type A, Cu Conductor 1C/4mm DC solar cable considered.
AC Power Cables	4C/6mm Armed Cable
Earthing	As per IS3043.
Lightening Arrestors	Conventional (as per suitability)
Connectors	MC4 type
Location of the Plant	EHV O&M Division, Kolhapur

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