

E- Enquiry (Budgetary offer)

Sub : - 3rd call for E-Enquiry of Proposal for Setting up roof top Solar Power Generation System at VIP Rest House and Prakash Parv 400kV Control Room Buildings at 400kV RS(O&M)Dn, Padghe Under HVDC RS(O&M)Circle Padghe

Dear Sir,

Budgetary offers are invited by the undersigned from the agency having experiences of of Setting up roof top Solar Power Generation System at VIP Rest House and Prakash Parv 400kV Control Room Buildings at 400kV RS(O&M)Dn, Padghe Under HVDC RS(O&M)Circle Padghe on or before: **10.05.2024** up to 15:00 Hrs. The other terms and conditions are as mentioned below.

- 1) Offer should be duly filled in and submitted via sealed envelope to EE,400kV RS (O&M)Dn,Padghe office address as below–
EXECUTIVE ENGINEER, 400kV RS (O&M) Div,PADGHE - 421 101
Tal: Bhiwandi Dist-Thane (Maharashtra, India) Phone No. : 9769006230 (O)
, will only be accepted.
- 2) This enquiry is solely for collection of offer for estimate purpose & not for work allocation.
- 3) The offer should be submitted as per details mentioned below.
- 4) Quote rate in prescribed format & Attached Specifications in Annexure-A::

Sd/-

Executive Engineer
400kV RS(O&M)Dn, Padghe.

Annexure-A

Name of work: Setting up roof top Solar Power Generation System at VIP Rest House and Prakash Parv 400kV Control Room Buildings at 400kV RS(O&M)Dn, Padghe Under HVDC RS(O&M)Circle Padghe

Sr. No.	Description	Qty (No.)	Supply Rate per unit without taxes (Rs.)	Service (fixing) Rate per unit without taxes (Rs.)																																							
1	<p>Design, engineering, supply at site, installation, testing, commissioning, O&M for the first year (excluding panel cleaning) of 91.56 KWp grid connected solar rooftop system over Prakash Parv control room building on turnkey basis with the above specification under the Net Metering Policy of Government of Maharashtra. The scope includes liaison work for statutory permissions, installation of pipeline for panel cleaning along with 1 HP pump motor set, Data Logger for system remote monitoring.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">SN</th> <th style="text-align: center;">Description</th> <th style="text-align: center;">Remarks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>System Recommended</td> <td>91.56 KWp, DC Roof Top Solar System</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Rooftop Availability</td> <td>Adequate Size Available</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Type of PV Modules / Make</td> <td>Monocrystalline / Tata Solar (ALMM Approved)/Trina / JA Solar / Adani or other reputed make</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Capacity of PV Modules</td> <td>545 Wp</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Number of Modules</td> <td>168 Nos.</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Inverters</td> <td>40.00 KW X 2 Numbers String Inverter / 3 Phase / Deyeor any Reputed make</td> </tr> <tr> <td style="text-align: center;">7</td> <td>Number of Inverters</td> <td>2 Nos</td> </tr> <tr> <td style="text-align: center;">8</td> <td>Type of Module Mounting</td> <td>GI Panel mounting structures over existing RCC roof</td> </tr> <tr> <td style="text-align: center;">9</td> <td>Module Mounting Structure</td> <td>Anodized aluminum</td> </tr> <tr> <td style="text-align: center;">10</td> <td>Batteries</td> <td>None</td> </tr> <tr> <td style="text-align: center;">11</td> <td>Annual Electricity Generation from Solar Plant / Degradation assumed</td> <td>1,32,007 KWh (First Year) / Degradation 0.6% YoY</td> </tr> <tr> <td style="text-align: center;">12</td> <td>Project Lifetime Generation Kwh(25 years)</td> <td>30,73,132 KWh</td> </tr> </tbody> </table>	SN	Description	Remarks	1	System Recommended	91.56 KWp, DC Roof Top Solar System	2	Rooftop Availability	Adequate Size Available	3	Type of PV Modules / Make	Monocrystalline / Tata Solar (ALMM Approved)/Trina / JA Solar / Adani or other reputed make	4	Capacity of PV Modules	545 Wp	5	Number of Modules	168 Nos.	6	Inverters	40.00 KW X 2 Numbers String Inverter / 3 Phase / Deyeor any Reputed make	7	Number of Inverters	2 Nos	8	Type of Module Mounting	GI Panel mounting structures over existing RCC roof	9	Module Mounting Structure	Anodized aluminum	10	Batteries	None	11	Annual Electricity Generation from Solar Plant / Degradation assumed	1,32,007 KWh (First Year) / Degradation 0.6% YoY	12	Project Lifetime Generation Kwh(25 years)	30,73,132 KWh	01 LS		
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1	System Recommended	91.56 KWp, DC Roof Top Solar System																																									
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12	Project Lifetime Generation Kwh(25 years)	30,73,132 KWh																																									
2	Design, engineering, supply at site, installation, testing, commissioning, O&M for the first year (excluding panel cleaning) of 13.08 KWp grid connected solar rooftop system over VIP Rest House building on turnkey basis with the above specification under the Net Metering Policy of Government of Maharashtra. The scope includes	01 LS																																									

liaison work for statutory permissions, installation of pipeline for panel cleaning along with 1 HP pump motor set, Data Logger for system remote monitoring.

SN	Description	Remark
1	System Recommended	13.08 KWp, DC Roof Top Solar System
2	Rooftop Availability	Adequate Size Available
3	Type of PV Modules / Make	Monocrystalline / Tata Solar (ALMM Approved)/Trina / JA Solar / Adani or other reputed make
4	Capacity of PV Modules	545 Wp
5	Number of Modules	24 Nos.
6	Inverters	12.00 KW X 1 Number String Inverter / 3 Phase / Deye or any Reputed make
7	Number of Inverters	1 No
8	Type of Module Mounting	Panel mounting over existing GI Sheet Roof
9	Module Mounting Structure	Anodized aluminum (100 mm X 300 MM, 96 Numbers)
10	Batteries	None
11	Annual Electricity Generation from Solar Plant / Degradation assumed	18,858 KWh (First Year) / Degradation 0.6% YoY
12	Project Lifetime Generation Kwh(25 years)	4,39,019 KWh

Note:- Rates should be exclusive of all taxes. All taxes GST, labour cess, freight, insurance and other applicable taxes need to mention separately.

Sd/-

Executive Engineer,
400kV RS(O&M)Dn, Padghe.