



**Pre-Qualification Criteria for Services in Renewable Energy Projects of TPREL**

The Tata Power Renewable Energy Ltd. (TPREL) Invites for submission of registrations for vendor empanelment for the following Works required for its Renewable Projects Sites and O&M Services across their sites PAN INDIA

**PART 1 – RENEWABLE PROJECT SERVICES:**

**A. Summary of the service packages:**

S No	Solar Project Services	S No	Wind Project Services
1	MMS Pile Foundation Works	13	WTG Foundation Works
2	Main Control Room Buildings	14	Main Control Room Buildings
3	Equipment Foundation Works (ICR/IDT/BESS)	15	Balance of Plant including ROW
4	Approach, Internal and Peripheral Road Works	16	Switchyard Works
5	Plant Drainage Works	17	33kV Transmission line services contracts
6	Boundary Fencing Works	18	Transmission Line
7	AC Side Electrical Works	19	EPC/Turnkey works for complete wind projects including all approvals but excluding WTG and Land.
8	DC Side Electrical Works		
9	Earthing Service works		
10	Switchyard Works		
11	Transmission Line		
12	EPC/Turnkey Works for complete Solar package including all approvals but excluding all major supply		

Interested Vendors are strongly advised not to wait for the last date and submit interest responses along with credentials in link and all supporting documents to be submitted in designated email ID for further consideration.

For additional technical details and Pre-qualification criteria for respective work packages, please refer section C below.

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Registered office: Tata Power Corporate Centre, 34, Sant Tukaram Road, Carnac Bunder, Mumbai 400 009.

CIN: U40108MH2007PLC168314 Tel 91 22 6717 1000

**B. Guidelines for Participating:**

Interested and eligible vendors can participate by submitting the following up to 1500 hours on **Saturday – 15<sup>th</sup> March 2026.**

1. Submission of credentials in Microsoft forms – by clicking on following link  
<https://forms.office.com/r/4NP8U5ewA8>
2. It is mandatory to fill all the fields of the registration link covering
  - Basic details of company
  - States in which vendors are can execute works (Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Odisha, Karnataka, Andhra Pradesh, Tamil Nadu, Telangana & Kerala).
  - List of services interested for/capable of (from services covered in Section A).
  - Mandatory documents supporting the Pre-qualification Requirement in Column 3 of Section C.
3. Screenshot and requisite PQ documents shall be sent over to [empanelment.services@tatapower.com](mailto:empanelment.services@tatapower.com)
4. TPREL may request for additional information and document proofs during further evaluation of credentials.
5. Vendors may also scan below link for accessing the above registration link.



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**C. Qualification Criteria for Service Works:**

Sr No	Parameter	TPREL Requirement	Mandatory Documents to be submitted by vendor to ascertain meeting of Pre-Qualification Requirement
1		2	3
<b>Sl. No 1- 6 of Section A - Civil Services in Solar Projects</b>			
I		<p>Vendor must have <b>successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last 3 calendar years.</b></p> <p><b>MMS Pile Foundation works:</b> Vendor should have relevant or similar experience of executing MMS Pile foundations works in any one of the Renewable Energy Project over last 3 calendar years.</p> <p><b>Main Control Room &amp; Switchgear Room Civil including lower side electrical works:</b> Vendor should have experience in executing at least Two Main Control Rooms/Switchgear Rooms/ Conventional Buildings in any Renewable Energy/ Power Grid (PSS) locations in last 3 calendar years.</p> <p><b>Civil Works in Equipment Foundation (ICR/IDT/BESS):</b> Vendor should have experience in executing foundation and building related civil works in any one Renewable Energy Project over last 3 calendar years.</p> <p><b>Boundary Fence Works:</b> Vendor should have experience in executing Boundary Fence works (Barbed wire, Knotted Fence, Chain link or Precast type fence) in any one Renewable Energy Project over last 3 calendar years.</p> <p><b>Approach, Internal &amp; Peripheral Roads and Drainage works:</b> Vendor should have experience in executing Road works (Murrum, WBM, WMM, Bitumen Roads) in any one Renewable Energy Project over last 3 calendar years.</p>	<p><b>Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
<b>S No 7, 8 &amp; 9 – AC Side Electrical Works, DC Side Electrical Works &amp; Earthing Service works in Solar Projects</b>			
II		<p>Vendor must have <b>successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last 3 calendar years.</b></p> <p><b>AC Side Electrical Works:</b> Vendor shall have a valid Electrical License issued by respective State Electricity Board/ appropriate authority and shall have experience of executing AC side works in any one Solar Project during last 3 calendar years.</p> <p><b>DC Side Electrical Works &amp; Earthing Works:</b> Vendor shall have experience of executing DC Side Electrical and Earthing works in any one Solar Project during last 3 calendar years.</p>	<p>Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2.</p> <p>Additionally, For AC Works – Vendor shall submit valid Electrical License from Respective State Electricity board and also submit undertaking confirming to 100% adherence that their Electricians/technicians shall possess valid technical certificates issued by Govt. approved Technical Trade Institute.</p>

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**S No 10 & 16 - Switchyard EPC - 33kV / 66kV/ 132kV / 220kV / 400kV / 765kV**

Vendor must be **approved EPC Vendor of TRANSCO/STU/CTU/Developer for Switchyard work**. Vendor must have experience of Designing and Executing Switchyard works including Supplies, Civil works, Erection, Testing and Commissioning.

Bidder shall have executed and have experience of minimum 2 such projects which shall include total 8 no of bays for switchyard of either 33KV/66KV/110KV/132KV/220KV & above voltage level in last 3 calendar years.

**Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2**

**S No 11, 17 & 18 - Transmission line - 33kV / 66kV/ 132kV / 220kV / 400kV / 765kV**

Vendor must be approved **EPC Vendor of TRANSCO/STU/CTU/Developer for Transmission line work**.

Vendor must have executed minimum 2 Nos of above lines for any CTU/STU/Developer with Minimum total Line Length of 5 KM cumulatively during last 3 calendar years.

**Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2**

**S No 12 - EPC Turnkey Service works for Solar Projects**

Vendor must have **successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last calendar year.**

**EPC/Turnkey Service Works** for Complete Solar Projects Covering scope of works – MMS Foundations, Control Room Buildings, Equipment Foundations, Approach, Internal and Periphery Roads, Drainages, Boundary Fence works, AC Side Electrical Works, DC Side Electrical Works, Earthing works and Module Cleaning systems. Switchyard Works & Transmission line works shall be part of this scope.

Vendor shall have experience in successfully executed and handed over of minimum 10MW Solar Project at single location or cumulative capacities of 30MW in last 3 calendar years as EPC/Turnkey Service Contractor.

**Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2**

**S No 13 - Civil Works in WTG Foundations**

IV	<p>Vendor must have <b>successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last calendar year.</b></p> <ul style="list-style-type: none"> <li>- Minimum of 25 WTG foundations of any OEM Or 50MW at any single project location in last 3 calendar years.</li> <li>- Capability to handle concrete volume and reinforcing steel requirements for WTG foundations (e.g., &gt;400-500 m<sup>3</sup> of concrete per foundation/ &gt;25MT of rebar per foundation) and have required in-house plant and machinery for such activities.</li> </ul>	<p><b>Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 14 - Balance of Plant including Right of Way (ROW)**

V	<p>BOP works include ROW pertaining to development of Temporary roads, Permanent roads and Storage yards. Vendor must have <b>successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last calendar year.</b></p> <ul style="list-style-type: none"> <li>- Development of Temporary and Permanent Access Roads for minimum of 25 WTG foundations (or) 50MW at any single project location in last one calendar year</li> <li>- Capability to accumulate land for temporary access roads including resolution of ROW</li> <li>- Good Liaison capabilities and strong hold in proposed project region</li> </ul>	<p><b>Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 19 - EPC/Turnkey Works for complete WIND Projects excluding all Major Supply**

VI	<p>Vendor must have <b>successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last calendar year.</b></p> <p><b>EPC work for Wind:</b> Vendor shall have an experience of executing EPC work for minimum capacity of 30 MW at single or multiple project locations in last 3 calendar years in any renewable energy wind projects.</p>	<p><b>Work completion certificate, Performance certificates, project commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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### SAFETY REQUIREMENTS

2	<p>The said package being high risk service job. The Bidder will have to go through requirement Tata Power Skilled Development Institute (TPSDI) training for workmen, Certifications etc. 100% workmen shall be L1 &amp; L2 and supervisor should be L3 trained &amp; certified by Tata Power Skill Development Institute (TPSDI) Or Requisite Safety Trainings at Project locations confirming to prevailing Safety norms of TPREL.</p> <p>Bidder should possess ISO-9001, ISO-14001 and OHSAS-18001 / ISO-45001 Certification or they should provide an undertaking that they will obtain these certifications for their organization if the work is awarded to them.</p>	<p><b>Unconditional acceptance (Sign and Stamp) to TPREL – Contractor’s Safety Code of Conduct and Penalty Sheet.</b></p>
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### COMMERCIAL CAPABILITY

3	<p>Average Annual Turnover of the bidder for last three financial years shall not be less than:</p> <p>For Civil Works - INR 2 Crore          For AC/DC/Earthing Works – INR 0.50 Crore          For Solar EPC Services – INR 25 Crore          For Civil Works in WTG Foundations – INR 10 Crore          For BOP works for Wind Farms – INR 15 Crore          For Wind EPC Services – INR 200 Crore          For Switchyard Services – INR 50 Crore          For Transmission line (33kV) – INR 5 Crore          For Transmission line (66kv and above) – INR 10 Crore</p>	<p><b>Audited Profit &amp; Loss statement along with UDIN No. to be attached.</b></p>
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**Note:** Vendor to submit credentials for supporting the noted criteria. Owner has the right to reject the application in case it is observed that the vendor does not meet the relevant experience for the subject works or if vendor fails to submit requisite mandatory supporting documents.

All vendors are encouraged to actively participate in registration process irrespective of meeting eligible criteria set herein.

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**PART 2 – RENEWABLE O&M SERVICES:**

S No	Solar Plant Operation & Maintenance Services		Robotic Module cleaning Service
1	Camper- Utility Vehicle/ Contractor resource mobilization within the Plant	23	Supply, Installation, Commissioning and Deployment of Robotic Cleaning Systems
2	Grass Cutting	24	Automated Module Cleaning Operations
3	Resource Mobilization at Solar site	25	Operation, Monitoring, and Control
4	Module cleaning Works - Wet & Dry	26	Training, Reporting, and Technical Support
5	Supply of Water at site		<b>Drone services</b>
6	AC side/Switchyard/Transmission Line maintenance	27	Drone-based Thermography Inspection (PV modules and transmission lines)
7	Module, MMS Tightening/Alignment service	28	Shadow Analysis and Site Assessment
	<b>Security Services at Solar site</b>	29	Data Processing and Reporting
8	Deployment of Security Personnel	30	Periodic Inspection and Monitoring
9	QRT Vehicle service		<b>Electrical services</b>
10	Access Control and Visitor Management	31	Electrical Equipment Testing
11	Surveillance and Patrolling	32	Cable Fault Detection & Locator Services
	<b>Solar O&amp;M Civil Services</b>	33	Transformer Oil Testing & Filtration
12	MMS Pile Foundation Works	34	AC/DC Side Electrical Works
13	Main Control Room Buildings	35	Solar Inverter Supply and AMC for Solar O&M Sites
14	Equipment Foundation Works (ICR/IDT/BESS)	36	SCADA System
15	Approach, Internal and Peripheral Road Works	37	CCTV, IT Networking and Miscellaneous IT
16	Plant Drainage Works	38	Electrical Items Supply
17	Boundary Fencing Works	39	Safety PPE, Tools & Tackles
18	AC Side Electrical Works	40	Porta Cabin, Office Infra
19	DC Side Electrical Works	41	Vehicle services
20	Earthing Service works		
21	Switchyard Works		
22	Transmission Line		

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2. It is mandatory to fill all the fields of the registration link covering
  - Basic details of company
  - States in which vendors are can execute works (Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Odisha, Karnataka, Andhra Pradesh, Tamil Nadu, Telangana & Kerala).
  - List of services interested for/capable of (from services covered in Section A).
  - Mandatory documents supporting the Pre-qualification Requirement in Column 3 of Section C.
3. Screenshot and requisite PQ documents shall be sent over to [empanelment.services@tatapower.com](mailto:empanelment.services@tatapower.com)
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**E. Qualification Criteria for Service Works:**

Sr No	Parameter	TPREL Requirement	Mandatory Documents to be submitted by vendor to ascertain meeting of Pre-Qualification Requirement
1		2	3
<b>Sl. No 1- 7 of Section A - Solar Plant Operation &amp; Maintenance Services</b>			
I		<p>a) Should have similar experience in energy sector for at least <b>2 years</b>.            b) Bidder shall have at least done O&amp;M activities of 50MW in a year.            c) Bidder shall have experience for executing contract of minimum INR 25 Lac.            d) Bidder shall have net worth positive in last three years.            e) ISO Certificate copy: ISO:9001, 14001, 45001, OSHAS: OSHAS 18000            f) <b>Electrical Licence of respective state of Electrical system operations.</b>            Electrical contractor licensed issued with the name of firm / organization and copy of MOU with electrical contractor licence holder contractor (in case of MOU with electrical contractor)</p> <p>Bidder shall furnish his audited profit &amp; loss account &amp; balance sheet for the last 3 years. In case, where audited result for the last preceding financial year is not available, certification of the financial statements from practicing chartered accountant can also be considered acceptable. Bidder shall furnish documents related to safety standard &amp; safety record on past projects executed by contractor.</p> <p>Note: Documentary evidence to satisfy the qualifying requirements mentioned above along with the performance certificates shall be submitted.</p>	<p><b>Work completion certificate.            Performance certificates.            Unpriced PO justifying qualifying criteria.            Electrical Contractor License of respective state.</b></p>
<b>S No 8-11– Security Services at Solar O&amp;M site</b>			
II		<p>The following shall be the minimum eligibility criteria for selection of bidders</p> <ul style="list-style-type: none"> <li>• Legal Valid Entity: The Bidder shall necessarily be a legally valid entity either in the form of a Limited Company or a Private Limited Company registered under the Companies Act, 1956. Bidder in the form of JV/consortium, Proprietorship, Partnership is not permitted. A proof for supporting the legal validity of the Bidder shall be submitted.</li> <li>• The Bidder shall be registered with the Income Tax, Service Tax and also registered under the labour laws, Employees Provident Fund Organisation, Employees State Insurance Corporation. Relevant proof in support shall be submitted.</li> <li>• Experience: The Bidder should have experience in the similar field of providing security services in the Government Departments for the last five years. Relevant proof in support shall be submitted.</li> <li>• Licence: The Bidder should possess a valid licence from the respective State Controlling Authority of the Government under the Private Security Agencies Regulation (PSARA) Act 2005.</li> </ul>	<p>(i) In proof of having fully adhered to the minimum eligibility criteria (a. Legal Valid Entity) , attested copy of certificates of incorporation issued by the respective Registrar of firms/companies shall only be acceptable.            (ii) In proof of having fully adhered to Financial Capacity), attested copy of the audited balance sheets for the completed last three financial year shall only be acceptable.            (iii) In proof of having fully adhered to minimum eligibility criteria at (b.), valid attested copy of PAN, Labour Registration copy, EPFO Registration Copy, ESIC Registration Copy shall only be acceptable.</p>

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	<ul style="list-style-type: none"> <li>Validation of PSARA license must be validated through ministry of home affairs website related to PSARA act.</li> </ul>	<p>(iv) In proof of having fully adhered to minimum eligibility criteria at (c. Experience), attested copy of work orders along with work completion certificate/ experience certificates showing continuous experience in the field for the last five years, issued by the Government Departments shall only be acceptable.</p> <p>(v) In proof of having fully adhered to minimum eligibility criteria at (d. Licence), attested copy of licence, duly issued by the respective State Controlling Authority of the Government under the Private Security Agencies (Regulation) (PSARA) Act, 2005 shall be acceptable.</p>
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**S No 12-22– Civil Services in Solar O&M**

III	<ul style="list-style-type: none"> <li>Vendor must have successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last 3 calendar years.</li> <li>MMS Pile Foundation works: Vendor should have relevant or similar experience of executing MMS Pile foundations works in any one of the Renewable Energy Project over last 3 calendar years.</li> <li>Main Control Room, Security office building, Scrap yard, Material Storage platform, IDT Platforms, ICR Platforms Switchgear Room Civil including lower side electrical works: Vendor should have experience in executing at least Two Main Control Rooms/Switchgear Rooms/Material Storage platform/IDT Platforms/ICR Platforms/Conventional Buildings in any Renewable Energy/ Power Grid (PSS) locations in any one Renewable Energy O&amp;M Site last 3 calendar years.</li> <li>Civil Works in Equipment Foundation (ICR/IDT/BESS): Vendor should have experience in executing foundation and building related civil works in any one Renewable Energy O&amp;M Site over last 3 calendar years.</li> <li>Boundary Fence Works: Vendor should have experience in executing Boundary Fence works (Barbed wire, Knotted Fence, Chain link or Precast type fence) in any one Renewable Energy O&amp;M Site over last 3 calendar years.</li> <li>Approach, Internal &amp; Peripheral Roads and Drainage work: Vendor should have experience in executing Road works (Murrum, WBM, WMM, Bitumen Roads) in any one Renewable Energy O&amp;M Site over last 3 calendar years.</li> </ul>	<p><b>Work completion certificate, Performance certificates, Work commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 23 & 26 - Robotic Module cleaning Service**

IV	<ul style="list-style-type: none"> <li>The vendor should have <b>minimum 2–3 years of experience</b> in supplying, installing, or operating robotic module cleaning systems for solar power plants.</li> <li>Project References- The vendor must provide references of at least 2–3 solar projects where robotic cleaning systems are installed or operational.</li> <li>The vendor should have adequate technical manpower, service support, and availability of spare parts to ensure timely maintenance and troubleshooting.</li> <li>The vendor must submit company registration documents, financial statements for the last 2–3 years and comply with applicable safety and quality standards.</li> </ul>	<p><b>Work completion certificate, Performance certificates, Unpriced PO justifying qualifying criteria. Module OEMs &amp; Tracker OEMs approval for Robot. (As applicable)</b></p>
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**S No 27-30 - Drone services**

V	<p>The vendor should have minimum 2–3 years of experience in providing drone inspection services for solar power plants, transmission lines.</p> <p>The vendor should have drones equipped with high-resolution thermal cameras and visual imaging systems suitable for PV module thermography and transmission line inspection.</p>	<p><b>Work completion certificate, Performance certificates, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 31-34 - Electrical services**

VI	<p><b>Vendor must have successfully executed the following quantum of works (including supply of all materials as applicable) at single location or on cumulative basis in during the last 3 calendar years.</b></p> <ul style="list-style-type: none"> <li><b>AC Side Electrical Works:</b> Vendor shall have a valid Electrical License issued by respective State Electricity Board/ appropriate authority and shall have experience of executing AC side works in any one Solar O&amp;M during last 3 calendar years.</li> <li><b>DC Side Electrical Works &amp; Earthing Works:</b> Vendor shall have experience of executing DC Side Electrical and Earthing works in any one Solar O&amp;M during last 3 calendar years.</li> <li><b>Transmission line, Switchyard maintenance, Pooling substation (PSS) maintenance.</b></li> <li>Technicians trained and certified in electrical testing and fault location methods.</li> <li>Use of advanced cable fault locators, insulation testers, time-domain reflectometers (TDR), and earth fault detectors.</li> <li>Strict adherence to electrical safety standards, PPE usage, and site safety protocols.</li> </ul>	<p><b>Work completion certificate, Performance certificates, Execution of work proof, Unpriced PO justifying qualifying criteria as detailed in Column 2. Additionally, For AC Works – Vendor shall submit valid Electrical License from Respective State Electricity board and submit undertaking confirming to 100% adherence that their Electricians/technicians shall possess valid technical certificates issued by Govt. approved Technical Trade Institute.</b></p>
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**S No 35 - Solar Inverter Supply and AMC for Solar O&M Sites**

VII	<ul style="list-style-type: none"> <li>• Vendor should have minimum 3 years of experience in supply/installation/AMC of solar inverters.</li> <li>• Vendor must have executed at least 2–3 similar projects for utility-scale solar plants (≥10 MW capacity).</li> <li>• Experience in O&amp;M support or AMC services for solar plants will be preferred.</li> <li>• Vendor should provide client references and completion certificates</li> </ul> <p><b>Technical Qualification:</b></p> <ul style="list-style-type: none"> <li>• Vendor should be OEM or OEM Authorized Channel Partner/System Integrator for solar inverters.</li> <li>• The offered inverter should be MNRE/BIS compliant, and IEC certified (IEC 62109, IEC 61727, IEC 62116 or equivalent).</li> <li>• Vendor should have supplied similar inverters for utility-scale solar plants (minimum 10 MW cumulative capacity) in the last 3 years.</li> <li>• Vendor must ensure remote monitoring compatibility with existing SCADA systems.</li> </ul> <p><b>Warranty &amp; AMC Requirements:</b></p> <ul style="list-style-type: none"> <li>• Inverter should have minimum 5 years warranty (extendable).</li> <li>• Vendor must provide Comprehensive AMC including preventive maintenance, breakdown maintenance, and spare support.</li> <li>• Vendor should guarantee uptime performance commitment (e.g., ≥ 98%) during AMC.</li> </ul> <p><b>Service Support Capability:</b></p> <ul style="list-style-type: none"> <li>• Vendor should have service engineers or service centres in India, preferably near major solar states.</li> <li>• Vendor must ensure maximum response time of 24–48 hours for breakdown support.</li> <li>• Vendor should maintain availability of critical spares during AMC period.</li> <li>• Vendor should provide technical training to O&amp;M team if required.</li> </ul>	<p><b>Work completion certificate, Performance certificates, Work commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 36 - Supply, Integration, Commissioning and Comprehensive AMC of SCADA System for Solar O&M Sites**

VIII	<p>Vendor should have minimum 3 years of experience in supply and integration of SCADA systems for solar power plants.</p> <p>Vendor must have executed at least 3 similar SCADA installations for solar plants with capacity <math>\geq 10</math> MW each in the last 5 years.</p> <p>Experience in SCADA integration with inverter monitoring, weather stations, energy meters, and trackers will be preferred. Vendor should submit client references, work orders, and completion certificates.</p> <p>Technical Qualification:</p> <ul style="list-style-type: none"> <li>• Vendor should be OEM / System Integrator / Authorized Partner for SCADA systems used in utility-scale solar power plants.</li> <li>• The proposed SCADA system must support: <ul style="list-style-type: none"> <li>A) Real-time monitoring of plant parameters (inverters, weather stations, meters, trackers, etc.)</li> <li>B) Data logging and reporting</li> <li>C) Remote access and alarm management</li> </ul> </li> <li>• SCADA system should support standard communication protocols such as Modbus TCP/IP, Modbus RTU, OPC, IEC protocols or equivalent.</li> <li>• Vendor must provide complete system architecture including server, networking, RTU/PLC, data logger, and integration with existing plant systems.</li> <li>• System should be compatible with existing plant equipment and central monitoring platform.</li> </ul> <p>Service Support Capability:</p> <ul style="list-style-type: none"> <li>• Vendor should have dedicated SCADA support team in India.</li> <li>• Vendor should provide 24x7 remote support and technical assistance during AMC period.</li> <li>• Maximum response time for system breakdown should be within 24–48 hours.</li> <li>• Vendor should maintain availability of critical spares such as data loggers, communication modules, switches, etc.</li> <li>• Vendor should provide periodic preventive maintenance and system health checks.</li> </ul>	<p><b>Compliance with cybersecurity standards and data protection requirements for SCADA systems, Work completion certificate, Performance certificates, Work commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 37 - CCTV, IT Networking and Miscellaneous IT Supply & Support Services for Solar O&M sites.**

IX	<p>Vendor should have minimum 3 years of experience in supply, installation and support of CCTV and IT networking infrastructure.</p> <p>Vendor must have executed at least 3 similar projects involving CCTV and networking systems for industrial / infrastructure / power sector projects.</p> <p>Experience in renewable energy plants, substations, or industrial sites will be preferred.</p> <p><b>Technical Qualification: CCTV</b> Vendor should be OEM / Authorized System Integrator / Channel Partner for CCTV surveillance and IT networking equipment.</p> <ul style="list-style-type: none"> <li>• CCTV Surveillance Systems (IP Cameras, NVR/DVR, Storage, Video Management Software).</li> <li>• The proposed equipment must comply with industry standards and protocols, such as:             <ul style="list-style-type: none"> <li>• ONVIF compatibility for CCTV</li> <li>• TCP/IP networking standards</li> </ul> </li> </ul> <p><b>Technical Qualification: IT Networking and Miscellaneous IT Supply &amp; Support Services</b></p> <p>Vendor should have capability to supply and integrate the following systems:</p> <ul style="list-style-type: none"> <li>• Supply of Laptop, Desktop, Server, Printer, Cyber security equipment, Software licenses &amp; various other software etc.</li> <li>• Networking Infrastructure (Switches, routers, fibre networking equipment, access points, firewalls).</li> <li>• IT Hardware (servers, workstations, storage devices, UPS for IT equipment, etc.).</li> <li>• Vendor should provide complete system architecture and integration capability with existing plant monitoring systems and security infrastructure.</li> <li>• Vendor should provide technical datasheets, product certifications and warranty details.</li> </ul> <p><b>Service Support Capability (As applicable case to case basis)</b></p> <ul style="list-style-type: none"> <li>• Vendor should have technical support team and service engineers in India.</li> <li>• Vendor should provide on-site support for installation, commissioning, and troubleshooting.</li> <li>• Vendor must ensure response time within 23-48 hours for system breakdowns.</li> <li>• Vendor should maintain availability of critical spare parts as applicable.</li> <li>• Vendor should provide preventive maintenance and system health checks during AMC period wherever applicable.</li> </ul>	<p><b>IT security standards and company cybersecurity policies. Work completion certificate, Performance certificate, Work commissioning proof, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p>
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**S No 38-39 - Electrical Items, Safety PPE, Tools & Tackles**

X	<p>The vendor should have minimum 2–3 years of experience in supplying electrical items, PPE, and tools/tackles for industrial or solar projects.</p> <p>Proven knowledge of electrical components, safety equipment standards, and approved tools/tackles for industrial/solar sites</p> <p>PPE and safety tools must comply with relevant ISO/IEC/OSHA standards or regulatory norms</p> <p>OEM Approvals</p>	<p><b>Work completion certificate, Performance certificates, Unpriced PO justifying qualifying criteria as detailed in Column 2 OEM Approvals</b></p>
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**S No 40 - Porta Cabin Supply and Internal Infrastructure Items used for Site Office Setup at Solar O&M / Project Sites**

XI	<p><b>Vendor should have minimum 3 years of experience in supply and installation of prefabricated / portable cabins.</b></p> <p><b>Vendor must have executed at least one similar project for infrastructure / industrial / renewable energy sites.</b></p> <p><b>Experience in solar power plant sites, substations, or remote industrial locations will be preferred.</b></p> <p><b>Technical Qualification:</b></p> <ul style="list-style-type: none"> <li>• Vendor should be manufacturer or authorized supplier of prefabricated / modular portable cabins.</li> <li>• Vendor must have capability to design, fabricate and install site office cabins, including: <ul style="list-style-type: none"> <li>Office cabins</li> <li>Control room cabins</li> <li>Security cabins</li> <li>Storage cabins</li> <li>Toilet / utility cabins</li> </ul> </li> <li>• Porta cabins should be made of prefabricated insulated panels / steel structure suitable for harsh outdoor conditions at solar sites.</li> <li>• Vendor should also provide internal infrastructure items, including: <ul style="list-style-type: none"> <li>○ <b>Electrical wiring, MCB distribution boards, lighting and power sockets.</b></li> <li>○ <b>Air conditioning provisions</b></li> <li>○ <b>Flooring, wall panelling and ceiling</b></li> <li>○ <b>Furniture (tables, chairs, storage cabinets)</b></li> <li>○ <b>Fire safety equipment (fire extinguishers, smoke detectors if required)</b></li> </ul> </li> </ul> <p><b>Cabins should be easy to transport, assemble, dismantle and relocate.</b></p> <p><b>Service Support Capability:</b></p> <ul style="list-style-type: none"> <li>• Vendor should have installation team capable of site deployment across India.</li> </ul>	<p><b>Work completion certificate, Performance certificates, Unpriced PO justifying qualifying criteria as detailed in Column 2 OEM Approvals</b></p>
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	<ul style="list-style-type: none"> <li>• Vendor must provide on-site installation and commissioning support.</li> <li>• Vendor should ensure timely delivery and installation within agreed timelines.</li> <li>• Vendor should provide maintenance support for structural or electrical issues during warranty period.</li> </ul>	
<b>S No 41- Vehicle Services</b>		
XII	<ul style="list-style-type: none"> <li>• The vendor should have minimum 2–3 years of experience in Industrial/solar site vehicle management.</li> <li>• Licensed mechanics and drivers with relevant vehicle service certifications</li> <li>• Adherence to road safety standards, local regulations, and pollution control norms.</li> <li>• Proper documentation of vehicle service history, insurance, and permits.</li> <li>• Ability to manage multiple vehicles simultaneously with scheduling and reporting.</li> <li>• Use of GPS tracking system in Vehicle</li> </ul>	<p><b>Work completion certificate, Performance certificates, Unpriced PO justifying qualifying criteria as detailed in Column 2</b></p> <p><b>Commercial registration of Vehicle &amp; Drive license mandatory.</b></p>
<b>SAFETY REQUIREMENTS</b>		
2	<p>The said package being high risk service job. The Bidder will have to go through requirement Tata Power Skilled Development Institute (TPSDI) training for workmen, Certifications etc. 100% workmen shall be L1 &amp; L2 and supervisor should be L3 trained &amp; certified by Tata Power Skill Development Institute (TPSDI) Or Requisite Safety Trainings at Project locations confirming to prevailing Safety norms of TPREL.</p> <p>Bidder should possess ISO-9001, ISO-14001 and OHSAS-18001 / ISO-45001 Certification or they should provide an undertaking that they will obtain these certifications for their organization if the work is awarded to them.</p>	<p><b>Unconditional acceptance (Sign and Stamp) to TPREL – Contractor’s Safety Code of Conduct and Penalty Sheet.</b></p>
<b>COMMERCIAL CAPABILITY</b>		
3	<p>Average Annual Turnover of the bidder for last three financial years shall not be less than:</p> <ul style="list-style-type: none"> <li>• For Solar O&amp;M - INR 1 Crore (for LP), INR 0.25 Crore (for Rooftop/Microgrid/Pump)</li> <li>• For Security Service – INR 1 Crore</li> <li>• For Robotic Module Cleaning – INR 0.5 Crore</li> <li>• For Drone services – INR 0.5 Crore</li> <li>• For Civil Works - INR 0.5 Crore</li> </ul>	<p><b>Audited Profit &amp; Loss statement along with UDIN No. to be attached.</b></p>

**Tata Power Renewable Energy Limited**

Communication address: 78, Electronic City Phase-I Hosur Road Bengaluru - 560100

Registered office: Tata Power Corporate Centre, 34, Sant Tukaram Road, Carnac Bunder, Mumbai 400 009.

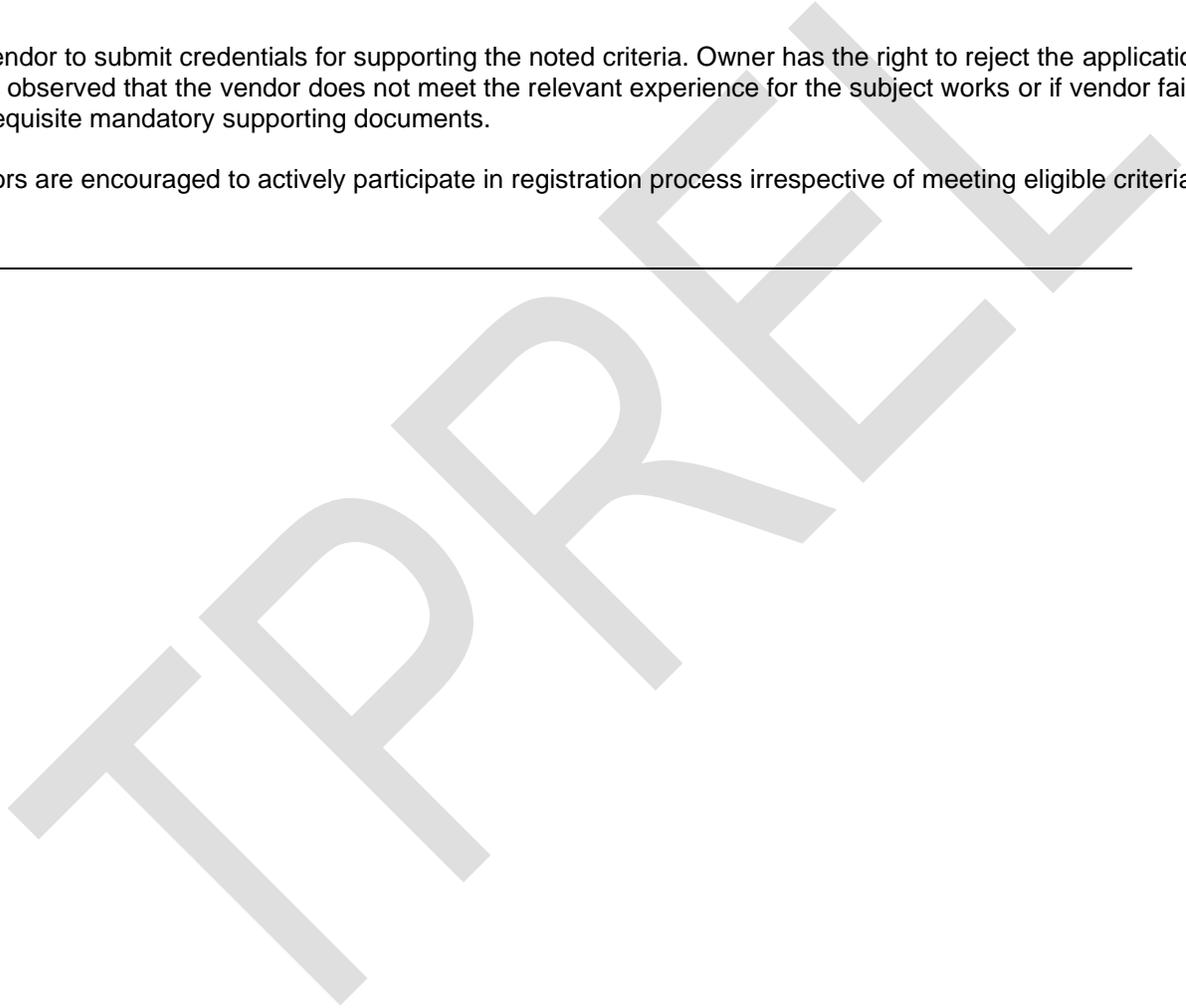
CIN: U40108MH2007PLC168314 Tel 91 22 6717 1000



	<ul style="list-style-type: none"><li>• For Electrical Supply &amp; Service– INR 0.25 Crore</li><li>• For Solar Inverter Supply and AMC for Solar O&amp;M- INR 1 Crore</li><li>• For Supply, Integration, Commissioning and Comprehensive AMC of SCADA System for Solar O&amp;M Sites- INR 0.5 Crore</li><li>• CCTV, IT Networking and Miscellaneous IT Supply &amp; Support Services for Solar O&amp;M sites- INR 0.5 Crore</li><li>• For Vehicle Services – INR 0.1 Crore</li><li>• For Porta Cabin, Office Infra – INR 0.1 Crore</li></ul>	
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**Note:** Vendor to submit credentials for supporting the noted criteria. Owner has the right to reject the application in case it is observed that the vendor does not meet the relevant experience for the subject works or if vendor fails to submit requisite mandatory supporting documents.

All vendors are encouraged to actively participate in registration process irrespective of meeting eligible criteria set herein.



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