

NOTICE INVITING TENDER (NIT)

(Tender Ref. no.: CC25MSJ001)

The Tata Power Company Limited Invites Tenders through E-Tender Two-Part bidding process from interested bidders (with manufacturing / assembling facilities in India) for the following electrical package required for its Transmission line Divisions: -

A. Summary of the tendered packages:

Sr. No.	Description	Tender Reference no.	Bid Guarantee Fee / EMD (Rs.)	Tender Fee (Rs.)
For the following package contact person shall be Mr. Munjal Singh Jhala (munjalsingh.jhala@tatapower.com) & Mr. Vivek Mittal (vivek.mittal@tatapower.com)				
1.	Supply, Installation, Testing, Commissioning of Solar PV System under Net Metering Scheme (Ref: CC25MSJ001) - a) Lot 1 - On elevated supporting structure at rooftop (Location - Tata Power Parel Receiving station). b) Lot 2 - At rooftop (Location - Tata Power Chembur Receiving station)	CC25MSJ001	1,50,000 /-	2,000 /-

For additional technical details and Pre-Qualification criteria for the subject works please refer **Section C** below.

B. Guidelines for Participating:

Interested bidders having executed similar projects can participate by submitting the following up to **1500 hrs. Monday 06th May 2024**: -

1. Non-Refundable Tender Fee, as indicated in table above, in the form of
 - a. Direct deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference number –
Beneficiary Name – The Tata Power Co. Ltd.
Bank Name – HDFC Bank Ltd.
Branch Name – Fort Branch, Mumbai

Address – Maneckji Wadia Building, Nanik Motwani Marg, Fort, Mumbai 400023.

Branch Code – 60

Bank & Branch Code – 400240015

Account No – 00600110000763

Account type – CC

IFSC Code – HDFC0000060

2. Bidders to also submit duly signed and stamped letter indicating name of authorized person, contact number and e-mail id (mandatory) on Bidder's letterhead. It is mandatory to mention Tender Reference no. in the said letter.

Note: - Once the above-mentioned documents are received, detailed RFQ shall be issued through our e-tender system.

Interested Bidder must get in touch with respective contact person, mentioned above, at Tata Power Sahar Receiving Station, T2 Airport Road, Sahar, Andheri (E), Mumbai 400 059 (Near Leela Hotel) for submitting the documents.

It may be please noted that all future correspondence will be strictly done only with **Interested Bidders** who have done the above steps in time with Authorized Person only through Tata Power E-Tender System.

Earnest Money Deposit (EMD) of **INR 1.50 Lakhs** is not to be submitted now and is required at a later stage along with tender submission in the form of Bank Guarantee.

Section C: Addition technical details: (Please refer the following pages for details).

CC25MSJ001 SITC of Solar PV Rooftop System at Tata Power Parel and Chembur Receiving station

C.1 Pre Qualification Requirement

Parameter	Tata Power Requirement	Documents To be submitted by Bidder to ascertain meeting of Pre-qualification requirement	Bidder response
Infrastructure	Bidder shall have following infrastructure: i) Adequate resources including manpower, tools and tackles to execute the job#b. ii) Adequate skills to adhere to TATA Power Quality standards iii) Adequate skills to adhere to TATA Power safety norms iv) Bidder should have Company Registered in India Bidder must be an approved OEM /authorized channel partner of Solar panel make mentioned in specification (Refer Annexure E4) for rooftop system and shall have designed, manufactured, type tested (as per IEC or equivalent standard), supplied, erection and commissioning of solar rooftop PV system. If participating Bidder is Authorized Channel Partner of Approved OEM then Authorization Letter of Approved OEM allowing Bidder to part for the said Project will be needed. Solar PV panels supplied have to necessarily be made in Indian Factory.	Self-undertaking to be submitted in this regard. Tata Power reserves the right to inspect the tools and tackles and assess the competency of workers as a proof of compliance to this parameter.	
Supply and Experience	Bidder shall have successfully executed aggregate 4 MWp(DC) Solar Rooftop PV system in last 5 years. Out of this 50% quantity of Solar Rooftop PV system shall be in satisfactory service for last 3 years.	Supply List, PO Copies & Performance Certificates from the utilities / clients / Work completion report. Self-undertaking to be submitted in this regard. TATA Power reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter.	
Commercial Capability	Bidder shall have an average annual turnover not less than Rs. 1.5 Cr for last three financial years.	Copy of audited Balance Sheet and P&L Account to be submitted in this regard.	
	Note - 1) Tata Power reserves the right to review and approve / reject the Bidder based on Document Submission. 2) The Prequalification Criteria published along with the tender "In Section C.1 Pre Qualification Criteria" is the total & complete pre-qualification requirement for the tender and shall prevail over any other/additional pre-qualification requirement mentioned elsewhere in the tender. 3) In case the bidder has a previous association with any of the Tata Group companies for similar products and services, the performance feedback for that bidder by Tata Group companies shall only be considered for evaluation, irrespective of performance certificates issued by any third organization.		

Annexure - E4

Approved Vendor List

A	Battery Energy Storage System	Approved Makes
1	Solar Panel	Tata Power Solar Waaree Energies Ltd Renewsys India Vikram Solar Servotech Power systems Ltd.
2	Batteries	
3	Inverter/PCS	
4	DC cables	KEI, Polycab, Seichem
B	ACDB/DCDB Components List	Approved Makes
1	ACDB/DCDB	L&T Limited- Ahmednagar Siemens Limited - Kalwa,Mumbai Schneider Electric India Pvt. Limited-Vadodara ,Kolkata ABB Ltd.- Bangalore Control & Switchgear - New Delhi MK Engg - Mumbai GE Power Controls- Chennai Popular Switchgear -Nasik

		Dharia Switchgear-Mumbai
2	LT CT / PT (Cast resin)	AE Mumba Kappa Chennai Translec engineers Mumbai Electrical Control & Systems Vadodara RECO Mumbai Maxwel - gilbert Nasik Huphen Nasik Indicoil Chennai Pragati Thane, Mumbai
3	Indicating Meters (Digital type)	Automatic Electric. Mumbai Toshniwal. Mumbai Secure Meters. Udaipur Meco Mumbai Meco Instruments. Mumbai
4	Indicating meter (Analog type)	Automatic electric Mumbai Meco Mumbai Rishab instruments Nasik M.B. Controls Kolkata Motwani Nashik Secure Jaipur
5	MFM	Satec Mumbai PM130EH+
6	Relays	L&T, Hosure Easun Reyrolle, Bangalore GE, Bangalore Alstom Chennai ABB, Bangalore Siemens, Mumbai
7	Contactors	Alstom Siemens Schenider Telemechanic C&S L&T ABB
8	Terminal Blocks	Elmex Connectwell
9	LT ACB	C&S L&T Schenider GE ABB Siemens
10	MCB/ MCCB/ MPCB/ RCCB / ELCB	Siemens MDS GE L&T Indo Asian C&S Schenider ABB
C	Power & Control cables	Approved Makes

1	1.1kV Power Cables & LT Power Cables	KEC International Vadodara up to 1.1KV Universal Cables Limited Satna, MP up to 1.1KV Finolex Pune up to 1.1KV Nicco Corporation Limited Kolkata up to 1.1KV Polycab Silvassa, Vapi up to 1.1KV Ravin Cables Pune up to 1.1KV Gemscab Industries Alwar, Rajasthan up to 1.1KV APAR Industries Umbergaon, Valsad up to 1.1KV Gupta Cables. Kashipur, New Delhi up to 1.1KV CCI Nashik up to 1.1KV KEI Dynamic
2	Control Cables	KEC International Vadodara up to 1.1KV Universal Cables Limited Satna, MP up to 1.1KV Finolex Pune up to 1.1KV Torrent Nadiad up to 1.1KV Nicco Corporation Limited Kolkata up to 1.1KV Ravin Cables Pune up to 1.1KV Reliance Engineers Bangalore up to 1.1KV Cords Cable Industries Ltd. New Delhi Thermo Cables Jadcherla, Hyderabad up to 1.1KV Gemscab Industries Rewadi up to 1.1KV
3	Cable Trays & Accessories	Indiana Pune Reliance Nasik Patni Hyderabad Sadhna Mumbai Unitech Gurgaon Shruti Industries Pune Ratan Projects Kolkata Profab Mumbai Shivanjali Vadodara Sterlite Pune
E	SCADA / Communication	Approved Makes
1	Modbus Serial to Modbus IP converter	Moxa
2	Gateway	ABB/Siemens/GE T&D
3	16/24core, 0.5 Sq.mm. Armoured, FRLS, Instrumentation Cable (Multistrand, individual pair and overall shielded)	BELDEN / LAPP / SATYAM
4	Layer 2 & Layer 3 Ethernet Switch	Ruggedcom / Hirschman / MOXA
5	Firewall	Juniper/Cisco/Checkpoint/Palo Alto
6	LIU (Fiber Optic)	Raychem / AFS / 3M
7	I/O Boxes	Systimax / Tyco / CommScope
8	Armored UTP CAT6 Cable	Systimax / Tyco / CommScope
9	Armored Fiber Optic Cable	Finolex / KEC / Apar
10	Unarmored UTP Cable	Systimax / Tyco / CommScope
11	Patch Panel (RJ45) with Connectors, I/O boxes	Systimax / Tyco / CommScope
12	Fiber Optic Patch Chords	Raychem / Preston / Tyco
13	CAT6 UTP Patch Chords	Systimax / Tyco / CommScope

14	4P X 0.36 Sq.mm. Armored Communication Cable (Multistrand, individual pair and overall shielded)	BELDEN / LAPP / SATYAM
15	4P X 0.36 Sq.mm. Unarmoured Communication Cable (Multistrand, individual pair and overall shielded)	BELDEN / LAPP / SATYAM
16	Fiber Optic Transceiver	CTC union / MRO TEK / Allied Telesis / MOXA
17	GPS Clock with remote display unit	Sertel / Masibus / SANDS/Meinberg
18	Gateway / DRCA/RTU/Network Panel (SAS)	Rittal
19	Layer -3 Stack Switch panel (Communication)	Valrack
20	RS 232 / RS 485 converter	MOXA / Advantech
21	DC-DC Converter	Cosel / Phoenix / Paramount
22	Diode-Oring Unit	Paramount / Phoenix
23	Droppable type Terminal Block for Digital Output, CT & PT.	Connectwell – CBT4U or equivalent
24	Disconnecting type (Knife edge) Terminal Block for Digital Input	Connectwell - CKT4U or equivalent
25	Auxiliary Relays – RTU	Make – OMRON
26	Breaker	MM4XP-D
27	Isolator & other Digital Inputs	MM2XP-D
28	Auxiliary Relays - Miscellaneous RTU	OMRON/OEN/Paramount
29	Rack Mounted Sliding monitor with keyboard & Touch pad.	Make – ATEN
30	Voltage Transducers	Make – RISHABH
31	Modbus TCP/IP converter	Moxa, Advantech
32	Configuration Laptop	HP/DELL/Lenovo
33	Temperature & Humidity Sensor	Make & Model : KIMO & C-310

Price Bid Format

CC25MSJ001 SITC of Solar PV Rooftop System at Tata Power Parel and Chembur Receiving station									
					LOT 1 (Parel)				
Sr. No.	Item Description	Qty	UoM	GST	Basic Price	Total Basic Price	Applicable Taxes	All Incl Price	
SUPPLY PART									
1	Design & Supply of Solar Power Generating System of 100kWp at Tata Power Parel Receiving station as per Tender Document E.1 Scope and Specifications for Solar Rooftop System for Parel Receiving Station	1	Nos			-	-	-	
2	Supply of Structural Steel/Frames for mounting of Roof Top Solar System capacity 100 kWp as per Tender Document E.1 Scope and Specifications for Solar Rooftop System for Parel Receiving Station	1	Nos			-	-	-	
Total Supply (Lot 1)						-	-	-	
SERVICE PART									
1	Services for Installation & Commissioning of Roof Top Solar System capacity 100 kWp including erection of Structural Steel/Frames for mounting as per Tender Document E.1 Scope and Specifications for Solar Rooftop System for Parel Receiving Station	1	Nos			-	-	-	
2	Extended Warranty (as per Scope and SLA)	20	Lots			-	-	-	
Total Service (Lot 1)						-	-	-	
Total Supply + Service (Lot 1)						-	-	-	
					LOT 2 (Chembur)				
Sr. No.	Item Description	Qty	UoM	GST	Basic Price	Total Basic Price	Applicable Taxes	All Incl Price	
SUPPLY PART									
1	Design & Supply of Solar Power Generating System of 50kWp at Tata Power Chembur Receiving station as per Tender Document E.2 Scope and Specifications for Solar Rooftop System for Chembur Receiving Station	1	Nos			-	-	-	
Total Supply (Lot 2)						-	-	-	
SERVICE PART									
1	Services for Installation & Commissioning of Roof Top Solar System capacity 50 kWp as per Tender Document E.2 Scope and Specifications for Solar Rooftop System for Chembur Receiving Station	1	Nos			-	-	-	
Total Service (Lot 2)						-	-	-	
Total Supply + Service (Lot 2)						-	-	-	