

**BALANCE OF SYSTEM PACKAGE FOR 500 MW (AC)  
SOLAR PV PROJECT**

SHEET 1 OF 1



**GUJARAT INDUSTRIES POWER COMPANY LIMITED (GIPCL)**

**GIPCL CORPORATE OFFICE, PO: RANOLI-391350  
DIST.: VADODARA, GUJARAT**

**Notice Inviting Tender**

**For**

**BALANCE OF SYSTEM PACKAGE FOR 500 MW  
SOLAR PV PROJECT**

**At**

**GREAT RANN OF KUTCH, NR. VILL. KHAVDA IN GUJARAT, INDIA**

**[Tender Enquiry Doc. No. GIPCL /Solar/BOS/2024-25]**



**TATA CONSULTING ENGINEERS LIMITED**

**ISSUE  
R0**

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## NOTICE INVITING TENDER



## ACRONYMS

NIT	:	Notice Inviting Tender
IFB	:	Invitation for Bids
ITB	:	Instructions to Bidders
BDS	:	Bid Data Sheet
GCC	:	General Conditions of Contract
SCC	:	Special Conditions of Contract
TS	:	Technical Specifications and Drawings
BOP	:	Balance of Plant
BOS	:	Balance of System
CIF	:	Cost, Insurance and Freight
CIP	:	Carriage and Insurance paid to (place)
CPM	:	Critical Path Method
EDI	:	Electronic Data Interchange
EXW	:	Ex-factory, ex works or ex warehouse
FCA	:	Free Carrier
FOB	:	Free on Board
FP	:	Forms & Procedures
ICC	:	International Chamber of Commerce
INCOTERMS	:	International Rules for International Trade Law.
NEETG	:	Net Electrical Energy Targeted Generation/Targeted Generation during O&M Period.
STC	:	Standard Test Conditions (Irradiance:1000 Watt/m <sup>2</sup> , AM: 1.5, cell temperature 25 °C.

VOLUME – I



**BALANCE OF SYSTEM PACKAGE FOR 500 MW (AC)  
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**NOTICE INVITING TENDER**

**SECTION – 1  
NOTICE INVITING TENDER**

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## NOTICE INVITING TENDER

**1.0. INTRODUCTION****1.1. About the Company**

**Gujarat Industries Power Company Limited (GIPCL)** (the “Company”) was incorporated in 1985 as Public Limited Company and engaged in business of Electrical Power Generation. The total present capacity of Vadodara (310 MW Gas based+ 1 MW Solar+ 112.4 MW Wind), Mangrol (500 MW Lignite based + 5 MW Solar + 1 MW Solar), Gujarat Solar Park, Charanka (2x40 MW + 75 MW Solar) and Raghnesda Ultra Mega Solar Park (100 MW Solar) is 1184.4 MW. The company is having its registered office at P.O. Ranoli-391 350, Vadodara, Gujarat.

The Company commissioned first power project; a 145 MW gas based Combined Cycle Power Plant in February, 1992 at Vadodara. The Company expanded its capacity and commissioned 165 MW Naphtha & Gas based Combined Cycle Power Plant at Vadodara in November,1997 as Independent Power Producer (IPP) with Power Purchase Agreement (PPA) with GUVNL.

GIPCL commissioned 250 MW (SLPP Phase-I: 2x125 MW) Lignite based Power Plant at Nani Naroli, District Surat in November,1999 as Independent Power Producer (IPP) with Power Purchase Agreement (PPA) with GUVNL. The Company also has its own Captive Lignite Mines at Vastan, Mangrol & Valia for Surat Lignite Power Plant. Further, SLPP Phase-II: 2 x 125 MW has been commissioned in April 2010.

GIPCL commissioned 112.4 MW Wind Power Project in the State of Gujarat.

GIPCL is in the business of solar power since 2012 and 5 MW photovoltaic Grid connected Solar Power Plant commissioned at Vastan Mines of Surat Lignite Power Station in January 2012. GIPCL has also commissioned 1 MW Distributed Solar Pilot Project at two locations, (i) Village: Amrol, Anand and (ii) Village: Vastan, Taluka: Mangrol in month of April-2016.

GIPCL has commissioned 2x40 MW (AC) Solar PV Power Project in the month of August - 2017 and 75 MW (AC) Solar PV Power Project in the month of June-2019 at Gujarat Solar Park, Charanka. Further, another 100 MW (AC) Solar PV Power Project has been commissioned in the month of August-2021 at Raghnesda Ultra Mega Solar Park, Dist. Banaskantha.

GIPCL has also been allotted land for development of a 2375 MW Renewable Energy Park at Khavda in the Kutch district of Gujarat. Further, 600 MW (AC) Solar Project at Khavda RE Park is under execution.

For detailed profile of company and past financial results, bidders may visit website: [www.gipcl.com](http://www.gipcl.com).

**1.2. About the Project**

GIPCL is developing a 2375 MW Capacity Ultra Mega Solar/Wind/Hybrid Renewable Energy Park having necessary Infrastructures like internal & external road, storm water drainage, water supply system including desalination plant, power evacuation system including transmission line, street lighting, fencing, creation of bund (if required), administrative buildings, telecommunication system, security etc.



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GIPCL has been awarded 500 MW (AC) Solar Project by GUVNL, to be developed at 2375 MW RE Park located at Great Rann of Kutch, Nr. Vill. Khavda, Dist. Kutch, Gujarat. In this context, GIPCL has decided to undertake a competitive bidding process for selection of the EPC Contractor for Balance of System Package for 500 MW (AC) Solar PV projects at 2375 MW RE Park, Nr. Village Khavda, Great Rann of Kutch, in the State of Gujarat.

### 1.3. Scope of Work

GIPCL invites interested parties to participate in this Tender for bidding and selection process for the appointment of Contractor for design, engineering, manufacturing, procurement, supply, packing and forwarding, transportation, insurance, unloading, construction, civil works, Installation, testing and commissioning 500 MW (AC) Solar PV plant on EPC basis in accordance with the specifications, terms and conditions of the contract under single point responsibility **excluding Supply of Solar PV Modules (PV Modules shall be supplied by GIPCL as Free Issue items to Bidder)**. It also includes the comprehensive O&M contract for three (03) years.

### 2.0. TABLE A: IMPORTANT DATES

Sr	Event	Details
i.	Date of upload of original tender (Tender Document No GIPCL : /Solar/BOS/2024-25)	30.04.2024
ii.	Tender Document Downloading	: Web site <a href="https://www.tender.nprocure.com">https://www.tender.nprocure.com</a> or <a href="https://www.gipcltender.nprocure.com">https://www.gipcltender.nprocure.com</a> (For view, download and on-line submission) and GIPCL website <a href="http://www.gipcl.com">http://www.gipcl.com</a> (For view & download only.)
iii.	Site Visit by Bidders	: 14.05.2024  Bidder has to give the name along with their Govt. ID proof by 10.05.2024 to GIPCL for the person visiting the site
iv.	Last date and time for receipt of Pre-bid queries/ clarifications	: 15.05.2024
v.	Date and Time of Pre-bid Meeting/ Briefing Meeting (Online)	: 16.05.2024 at 11:30 Hrs, Via MS Teams
vi.	Online (e-tendering) Tender/Offer submission last date <b>{This is mandatory}</b>	: 13.06.2024 Time: 17:00 hours (IST) On n-procure portal for Bid Submission



## NOTICE INVITING TENDER



Sr	Event	Details
vii.	Physical receipt of Bid with all the relevant documents last date (By RPAD or Speed Post or By Personal Messenger) <b>{This is mandatory}</b>	: 14.06.2024 Venue: GIPCL Corporate Office, PO: Ranoli - 391 350, Dist. Vadodara.
viii.	Bid Validity	: Offers shall be valid for a period of 120 days from bid submission due date.
ix.	Date of opening of Tender Fee, EMD Cover, and Technical Bid Physical as well as Online opening	: Will be decided by GIPCL (Internal opening by GIPCL)
x.	a) Opening of Financial Bid b) e-Reverse Auction starts from	a) Will be decided by GIPCL b) Will be informed by GIPCL to all qualified Bidders.
xi.	Schedule date for Commissioning of 500 MW (AC) Projects	: 16 Months from the date of issue of Lol.
xii.	EMD Validity	: 120 days from bid submission due date or as extended by GIPCL.
xiii.	Tentative Date for completion of Operational Acceptance Test	: 30 Days from the date of Commissioning.
xiv.	Operational Acceptance Test (OAT) Test Period & start of O&M Period	: Operational Acceptance Test (OAT) Period shall start as under:  A) If the Contractor successfully completes Operational Acceptance Test (OAT) in first attempt within 30 days from date of commissioning, then PG Test Period and O&M Period will start from the date when the OAT was started. (OR)  B) In case the Contractor fails the OAT in the first attempt, the Contractor shall be allowed maximum 30 days for corrective actions and further next OAT shall start on completion of 30 days period or earlier as desired by the Contractor. The PG Test and the O&M period shall start from the date when of second OAT period is started. In case the Contractor fails in the second attempt as well, a penalty will be imposed at 1% of EPC Contract Price





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Sr	Event Details
	<p>(plus applicable GST).</p> <p>In this case, irrespective of the result (whether pass or fail) of the OAT, the PG Test and O&amp;M Period shall start at the beginning of the second OAT.</p> <p>The start of O&amp;M and first year operation shall be considered after successful completion of operational acceptance test or 60 days from date of commissioning of 500 MW (AC) Solar Project whichever is earlier. Further all the guarantees related to NEETG shall also be applicable.</p> <p>(OR)</p> <p>C) However, in case of failure of the second OAT, if the Contractor needs more time to further take corrective action at its own discretion, then the same may be allowed by GIPCL without imposing any further penalty on the Contractor towards such subsequent OATs. However, if the Contractor is successful in third attempt then the penalty deducted at the time of unsuccessful 2nd attempt of OAT shall be returned but if the Contractor fails in third attempt of OAT then penalty charged at the time of second unsuccessful attempt of OAT shall not be returned to the Contractor.</p> <p>D) In any case the start of O&amp;M period and first year operation shall be considered after successful completion of operational acceptance test or 60 days from date of commissioning of 500 MW (AC) Solar Project whichever is earlier. Further all the guarantees related to NEETG shall also be applicable.</p>



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Sr	Event	Details
xv	Operation and Maintenance (O&M) : Period	Upon start of OAT Test Period as per Clause No. xiv above for a period of three (3) years.

**Note:**

The above-mentioned dates are subject to amendment, in which case the bidder is requested to refer amendments/corrigendum.

**TABLE B: IMPORTANT AMOUNTS**

Sr. No.	Head	Amount (and Validity)
i.	Tender Fees (non-refundable) to be paid by DD or Online payment as per Procedure given in Appendix-22	Rs. 29,500/-(25,000 + 18% GST) (Rupees Twenty-Nine Thousand Five Hundred Only)
ii.	Earnest Money Deposit (EMD) in the form of Bank Guarantee/DD or Online payment as per Procedure given in Appendix-22	Rs. Five (05) Cr. (With a validity as per Clause No. xii of Table A (Important Dates) above.
iii.	Security Deposit cum Performance Bank Guarantee (PBG)	The Contractor shall furnish Security Deposit (SD) cum Performance Bank Guarantee (PBG) equivalent to 10% (ten percent) of the EPC Contract Price within 01 month after issuance of Lol. The validity period of PBG should be for a total period up to 31 months from the date of Lol or till the date of successful completion of PG test whichever is later; if required, the PBG shall have to be extended for further 3 months beyond the due date of successful completion of PG test.



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iv. O&M Bank Guarantee (O&M BG)

5% of EPC Contract Price, to be submitted upon completion and acceptance of Performance Guarantee Test as per Clause No. xiv of Table A (Important Dates) above for a period of three (3) years, to the 90 days beyond completion of the O&M Period mentioned in Clause No. xv of Table A (Important Dates) above. This O&M BG shall cover the risk against extended warranty for equipment up to O&M Period and recovery towards shortfall in NEETG during O&M Period. The O&M Bank Guarantee shall be valid 90 days beyond the O&M Period.

**Note:** In case of Online Payment is considered for Tender Fee or EMD, Bidder shall submit the proof of UTR No. in physical and online bid on or before last date of Bid submission.