



MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED
Renewable Energy –Project & Planning,
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Notice Inviting Tender (NIT)
Tender No: CE/RE-P&P/MSKVY 2.0/EPC/502 MW

Maharashtra State Power Generation Company Ltd. (MSPGCL) invites online bids for Design, Engineering, Supply, Erection, Testing and Commissioning of 502 MWAC Cumulative Capacity Crystalline Ground Mounted Solar PV Technology Grid Interactive Distributed Agriculture Feeder Solarization by Solar PV Power Plant under MSKVY 2.0 scheme including 3 years of Operation & Maintenance on EPC basis at various Districts in State of Maharashtra, India under Local Competitive Bidding from prospective Bidders.

Single tender has been published for cumulative capacity of 502 MW on Bharat Portal following E-tendering web site: <https://www.bharat-electronictender.com>

Tender schedule:

1.	Start date of acceptance of tender fee by MAHAGENCO & download of tender document	18/03/2024 at 15.00 Hrs. IST
2.	Pre-bid conference (only for the Bidders who purchase the Bid document)	12/04/2024 at 14.00 Hrs. IST
3.	Last date of acceptance of queries/comments from bidders	18/04/2024 at 17.00 Hrs. IST
4.	Issue of amended bid document	03/05/2024 at 17.00 Hrs. IST
5.	Last date of online sale of Bid Document	09/05/2024 at 18.00 Hrs. IST
6.	Last date for Submission of Online Bid	10/05/2024 at 12.00 Hrs. IST
7.	Last date of submission of physical support documents	10/05/2024 at 16.00 Hrs. IST
8.	Due date for opening of techno-commercial bids	10/05/2024 at 16.30 Hrs. IST
9.	Due date for opening of Price bid	Will be intimated later

MAHAGENCO reserves the right to cancel/withdraw this Invitation for Bids without assigning any reason for such decision.

For more details of Notice for Invitation of Tender (NIT), please visit to Bharat Portal following E-tendering web site: <https://www.bharat-electronictender.com> as well as MAHAGENCO's official website <https://www.mahagenco.in>

Sd/-
Chief Engineer (RE-P&P)
Mahagenco, HO Mumbai.

MAHARASHTRA STATE POWER GENERATION CO. LTD

NOTIFICATION OF INVITATION OF BIDS

Competitive Bidding Design, Engineering, Supply, Erection, Testing and Commissioning of 502 MWAC Cumulative Capacity Ground Mounted Crystalline Solar PV Technology Grid Interactive Distributed Agriculture Feeder Solarization by Solar PV Power Plant under MSKVY 2.0 scheme including 3 years' Operation & Maintenance on EPC basis at various Districts in State of Maharashtra, India.

(TO BE SUBMITTED ONLINE DULY FILLED IN AND DIGITALLY SIGNED)

The Maharashtra State Power Generation Co. Ltd., Mumbai, India (MAHAGENCO) invites online Bids (Two Bid System i.e. separate bid for technical/commercial and price bid) from eligible bidders for Design, Engineering, Supply, Erection, Testing and Commissioning of 502 MWAC Cumulative Capacity Ground Mounted Crystalline Solar PV Technology Grid Interactive Distributed Agriculture Feeder Solarization by Solar PV Power Plant under MSKVY 2.0 scheme including 3 years' Operation & Maintenance on EPC basis at various Districts in State of Maharashtra, India under Local Competitive Bidding from prospective Bidders.

Details of the project are as under;

Sr. No.	Project Location	Project Capacity (AC)	Substation
1	Various locations in Ahmednagar and Pune districts	502 MW	33/11 kV MSEDCL Substation

The Bidders are eligible to bid for Minimum of 1 location and Maximum of 10 locations from the List of 33/11 kV MSEDCL substation.

NOTE: Bidder shall strictly adhere to project nomenclature while quoting price bid in online form. It is sole responsibility of bidder to bid for correct project as per its project nomenclature.

1. PRICE BID EVALUATION

Bidder shall quote the Total Bid price per MW required for setting up the Solar PV Project in the financial part of bid.

Bidders shall quote the following information in their bid:

- The Bidder(s) shall note that a ceiling Limit (L_{EPC}) of INR 4,50,00,000 (Rupees Four Crores fifty lakhs only) per MWac (inclusive of all applicable taxes & duties) shall be applicable to each project site.
- The Bidder(s) shall note that a ceiling Limit for first year O & M cost ($L_{O\&M}$) of INR 4,00,000 (Rupees Four lakhs only) per MWac (inclusive of all applicable taxes & duties) shall be applicable to each project site.

- Hence, the Price (L') = (L_{EPC}') + (L_{O&M}')
- A Bidder shall submit a single application quoting the EPC price and first year O & M price to 2 (two) places of decimal only.

EPC Price (LEPC) in INR per MWac inclusive of all applicable taxes & duties.

- EPC Price (LEPC) in INR per MWac inclusive of all applicable taxes & duties.
- & M Price (LO & M) in INR per MWac inclusive of all applicable taxes & duties.
- Hence, the Price (L) = (LEPC) + (LO&M)
- Price (L) < L'

The L1 bidder shall be selected on the basis of Lowest price of (L) which would be cumulative Sum of EPC cost and first year O & M cost.

- In case, there is a tie between more than one bidder, then the option of conducting the e-reverse auction for the relevant substation shall be exercised for determination of L1 Bidder.
- It is hereby clarified that the CUF should be minimum of 22.50% and shall be applicable in respect of the capacity for all substations of the Project at the point of Interconnection.
- The Minimum DC/AC ratio applicable for all substations shall be 1.30.

Where,

DC/AC Ratio = Cumulative DC capacity of the solar arrays / Cumulative rated AC capacity of inverters at reference ambient temperature as per specification

- Even if Bidder Proposes DC/AC ratio more than 1.30, Bank Guarantee shall be remained same.
- If quoted lowest price per MW inclusive of all applicable taxes and duties is equal for more than one bidder at same substation for CUF of 22.50% and DC/AC ratio of 1.30. then e – Reverse Auction will be applicable.

2. VENDOR REGISTRATION FEE, TENDER FEE

Bidder is required to pay online non-refundable Tender fee of Rs. 25,000/- plus GST i.e INR 29,500/- inclusive of applicable GST on or before the last date of payment of tender fees. Overseas bidders shall submit vendor registration fee and tender fee through international debit/credit card. Bidder to inform MSPGCL with email along with the payment acknowledgment immediately on payment:

Name of Bank	Canara Bank
Account No.	0239201022329
IFSC	CNRB0001903
Address	Prime corporate branch II, Nariman point, Mumbai-400021

Bidders are required to register themselves online with ISN Electronic Tender Services website i.e., the Bharat E-Portal (if not registered already) through the payment gateway facility of the e-

bidding portal by making a payment of relevant fees (currency INR 3,000 (Indian Rupees Three Thousand only)) plus applicable taxes as indicated in Bharat E-Portal.

3. BID SECURITY (EMD)

Each Bidder shall be required to submit Bid Security/ Earnest Money Deposit (EMD) of Rs. 4.50 Lakhs per MW (Four Lakhs and Fifty Thousand only) along with bid in the form of bank guarantee as per Annexure - 12, issued by any branch of Bank mentioned in list attached. In the case of a Consortium, the Lead Member shall furnish the Bid Security as stipulated in the RfP, on behalf of the Consortium Members as per the Consortium Agreement. The Bid Security shall be valid for a period of 180 days (6 months) from the date of submission of the Bid (online). It is to be noted that the Bid Security to be provided must be issued from the list of Banks provided in the Annexure 20 payable at Mumbai only. The Bid Security must be payable in currency of India & on stamp paper of Rs.500/-

4. QUALIFYING REQUIREMENTS

4.1 Technical Experience

The bidder should have experience in EPC execution of Ground mounted Solar PV Projects on Turnkey basis Solar PV Power Plant of cumulative Capacity not less than 40% of Quoted Capacity or higher capacity out of which at least one plant must be of 2 MW_{AC} or higher capacity at single location. However, the reference 2 MW_{AC} Grid connected Solar PV Power Plant capacity must have been in satisfactory operation for at least Three (03) months prior to the last date of bid submission.

In case of Consortium or Joint Venture, one of the partner should qualify above clause.

- i. In case of a BIDDER /Member of Consortium seeking experience qualification on the basis of technical capability of its Parent Company, the Parent Company shall have minimum 51% stake in the Bidder /Member of Consortium for first 2 years and minimum 26% stake in the BIDDER /Member of Consortium for next 3 years of O&M.
- ii. The Parent Company shall be construed as reference to any company or corporation of which the other company or corporation is a Subsidiary i.e. at least 51% stake in the subsidiary is held by the Parent Company.
- iii. In case of a bidder/Member of Consortium seeking experience qualification on the basis of technical capability of its Ultimate Parent Company, the Ultimate Parent Company shall have minimum 51% stake in the Parent Company of the Bidder/Member of Consortium for first 2 years and minimum 26% stake in the Parent Company of the Bidder/Lead Member for next 3 years of O&M.
- iv. Bidder shall submit certificate of successful completion and operation from the Owner. However, if bidder is a developer, certificate of successful commissioning of the project issued from Government Renewable Nodal Agency/Government Enterprise/ Discom/ Electricity Board etc. and evidence of successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc. shall be submitted.
- v. Bidder shall submit documentary evidence for the value of the project certified by a Chartered Accountant

4.2 Financial Criteria

A. Net worth

- i. The net worth of the tenderer/ bidder as on 31st March of the previous financial year

shall be **Positive**. The tenderer who does not satisfy the Net Worth criteria stipulated herein on its own would be required to furnish along with its Bid a letter or undertaking from their holding company pledging unconditional and irrecoverable financial support for execution of the contract by the tenderer in case of award provided that the Net Worth of such holding company as on 31st March of previous financial year should be at least equal to or more than paid up capital of the holding company.

- ii. In case where audited results for the last preceding financial year are not available, certification of financial statement from a practicing Chartered Accountant with UDIN shall also be considered acceptable.
- iii. Please note that Net Worth means sum of the paid up share capital and free reserves. Free reserves shall mean all reserves credit out of the profit and share premium account but not include reserves credited out of the revaluation of assets, write back of depreciation provision and amalgamation. Further, any debit balance of profit and loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus. Other income shall not be considered for arriving at annual turnover.
- iv. For the purposes of meeting financial requirements only unconsolidated audited annual accounts shall be used. However, audited consolidated annual accounts of the BIDDER may be used for the purpose of financial requirements provided the Bidder has at least twenty-six percent (26%) equity in each company whose accounts are merged in the audited consolidated account and provided further that the financial capability of such company (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.
- v. If Bid is submitted by a Consortium, the Net worth requirement is to be met by Lead Member of the Consortium. The Bidder may seek qualification on the basis of financial capability of its Parent Company for the purpose of meeting the Qualification Requirements. In the case of the Bidder being a Bidding Consortium, Lead Member may seek qualification on the basis of financial capabilities of its Parent Company. In such an event, the Bidder would be required to furnish along with its bid, a Letter of Undertaking from the Parent Company, supported by Board Resolution, as per Annexure 11, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.
- vi. Parent Company shall be construed as reference to any company or corporation of which the other company or corporation is a Subsidiary i.e. at least 51% stake in the subsidiary is held by the Parent Company.
- vii. In case of a Bidder seeking qualification on the basis of financial capability of its Parent Company, the Parent Company shall have minimum 51% stake in the Bidder/Lead Member for construction period and also first 3 years of O&M and minimum 26% stake in the Bidder /Lead Member for next 2 years of O&M.
- viii. In case of a bidder/Member of Consortium seeking experience qualification on the basis of technical capability of its Ultimate Parent Company, the Ultimate Parent Company shall have minimum 51% stake in the Parent Company of the Bidder/Member of Consortium for first 2 years and minimum 26% stake in the Parent Company of the Bidder/Lead Member for next 3 years of O&M.

B. Turnover

The average annual turnover during preceding three consecutive financial years of the Bidder /consortium shall be at least **Rs. 2.00 Crores per MW** or equivalent US \$ (Conversion rate will be as on bid submission date) from the Bidder's business as an EPC Bidder / developer of Projects in India or from Solar Power Generation Projects in any country. If Bid is submitted by a Consortium the Turnover requirement is to be met by Lead Member of the Consortium. The Bidder may seek qualification on the basis of financial capability of its Parent Company for the purpose of meeting the Qualification Requirements. In the case of the Bidder being a Bidding Consortium, Lead Member may seek qualification on the basis of financial capabilities of its Parent Company. In such an event, the Bidder would

be required to furnish along with its bid, a Letter of Undertaking from the Parent Company, supported by Board Resolution, as per annexure provided, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award. Parent Company shall be construed as reference to any company or corporation of which the other company or corporation is a Subsidiary i.e. at least 51% stake in the subsidiary is held by the Parent Company. Other income shall not be considered for arriving at annual turnover.

5. CONSORTIUM / JOINT VENTURE

In case Bidder on his own does not meet the financial & technical experience qualifying criteria stipulated in any of the points above, the Bidder can bid through a Consortium/ Joint Venture.

- i. In case of Consortium / JV one of the partner should qualify technical qualification criteria stipulated in point 1.51.1
- ii. Consortium/JV shall fulfill qualifying criteria stipulated in point 1.15.2, 1.16, 1.17, 1.19 & 1.20 herein.
- iii. Documentary proof regarding Consortium/JV shall be submitted along with the bid in the prescribed format.
- iv. The Consortium/JV partners shall jointly and severally be responsible for execution of the contract and the warranties/guarantees for the project.
- v. The Consortium/JV arrangement shall continue till 90 days beyond the expiry of Three years O&M contract.
- vi. The members in the Consortium shall be limited to THREE only.
- vii. One of the Consortium partners who will be responsible on behalf of the Consortium shall be designated as the lead member. Necessary "Power of Attorney" and "Deed of Agreement" shall be executed in this regard.

Sd/-
Chief Engineer (RE-P&P)
Mahagenco, HO Mumbai