

**MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED****Renewable Energy- Project & Planning,****HDIL Tower, A-Wing, 4th Floor, Bandra (East), Mumbai – 400 051****(Tel no: 022-69415331, 022-69415356, 022-69415361, 022-69415337)****email: cespgd@mahagenco.in, dycespgd@mahagenco.in****Notice Inviting Tender****REF NO3000049328**

Maharashtra State Power Generation Co. Ltd. (MAHAGENCO) invites online competitive bids (Two bid system : Technical/Commercial & Price Bid) for selection of EPC Contractor for Design, Engineering, Supply, Erection, Testing and Commissioning of 65 MW_{AC} Capacity Crystalline Solar PV Technology Grid Interactive Plant with associated HT overhead transmission line / underground cable along with all required electrical equipment, construction of bays up to the point of interconnection at 400/220kV Chandrapur - II substation including 5 years' Operation & Maintenance of Solar Power Plant and Evacuation System up to the point of interconnection on EPC basis at Village: Lakhmapur, Taluka: Chandrapur, Dist.- Chandrapur, Maharashtra, India.

Single tender has been published for capacity of 65 MW_{ac} on MAHAGENCO's e-procurement portal <https://eprocurement.mahagenco.in>.

Tender schedule:

1.	Start date of acceptance of tender fee by MAHAGENCO & download of tender document	From 12/06/2024, 12:00 Hrs. IST
2.	Site visit	Up to 26/06/2024, 17:00 Hrs. IST
3.	Last date of acceptance of queries/comments from bidders	Up to 27/06/2024, till 17:00 Hrs. IST
4.	Pre-bid conference	On 28/06/2024, at 11:30 Hrs. IST
5.	Last date of acceptance of queries/comments from bidders	Up to 01/07/2024, till 17:00 Hrs. IST
6.	Issue of Amended bid document	Up to 15/07/2024, till 14:00 Hrs. IST
7.	Last date of online sale of Bid Document	Up to 29/07/2024, till 18:00 Hrs. IST
8.	Last date for Submission of Online Bid (Techno- commercial and Price Bids)	30/07/2024, till 14:00 Hrs. IST
9.	Last date of submission of physical support	30/07/2024, till 15:00 Hrs. IST
10.	Due date for opening of techno-commercial bids	30/07/2024, at 16:30 Hrs. IST
11.	Due date for opening of Price bids	Will be communicated 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 MAHAGENCO's e-procurement portal <https://eprocurement.mahagenco.in> 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 for selection of EPC Contractor for Design, Engineering, Supply, Erection, Testing and Commissioning of 65 MW_{AC} Cumulative Capacity Crystalline Solar PV Technology Grid Interactive Plant with associated HT overhead transmission line/ underground cable along with all required electrical equipment, construction of bays up to the point of interconnection at the 400/220 kV Chandrapur II substation including 5 years Operation & Maintenance of Solar Power Plant and Evacuation System up to the point of interconnection on EPC basis at Village: Lakhmapur, Taluka: Chandrapur, Dist.- Chandrapur, Maharashtra, India under Competitive Bidding from prospective Bidders.

(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 65 MW_{AC} Cumulative Capacity Crystalline Solar PV Technology Grid Interactive Plant with associated HT overhead transmission line / underground along with all required electrical equipment, construction of bays up to the point of interconnection at the 400/220 kV Chandrapur II substation including 5 years Operation & Maintenance of Solar Power Plant and Evacuation System up to the point of interconnection on EPC basis at Village: Lakhmapur, Taluka: Chandrapur, Dist.- Chandrapur, Maharashtra, India.

Sr. No.	Project Location	Latitude, Longitude	Project Capacity (AC), MW	Area, Hectares	Substation Location
1	Village: Lakhmapur, Taluka: Chandrapur, District: Chandrapur, Maharashtra	19.9981, 79.27044	65 MW	324.00	400/220 kV Chandrapur II substation
TOTAL CAPACITY			65 MW (AC)		

1) VENDOR REGISTRATION FEE, TENDER FEE:

- Each bidder shall register itself at the website address <https://eprocurement.mahagenco.in> on online payment of the vendor registration fees Rs. 5,000/- + 18% GST Extra i.e. Rs. 5900/- as applicable before the last date for registration mentioned in the notification of invitation of bids ("NIT"). Vendor registration fee is non- refundable.
- Bidder is required to pay online non-refundable Tender fee of Rs. 10,000 + 18% GST i.e Total of Rs. 11,800/- 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.

2) BID SECURITY (EMD)

Each Bidder shall be required to submit Bid Security/ Earnest Money Deposit (EMD) of **Rs. 65 Lakhs (Sixty Five lakhs 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 provide in the Annexure 20 payable at Mumbai only. The Bid Security must be payable in currency of India & on stamp paper of

Rs.500/- payable at Mumbai.

3) QUALIFYING REQUIREMENTS FOR 65 MWAC SOLAR PROJECT:

Technical Experience:

- a) The Bidder shall have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of ground mounted Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 26 MW and at least one plant should have been of 10 MW capacity. The reference plant of 10 MW capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening.

OR

- b) The Bidder shall be a Developer of Solar Photo Voltaic (SPV) based ground mounted grid connected power plant(s) of cumulative installed capacity of 26 MW and at least one plant should have been of 10 MW capacity. The reference plant of 10 MW capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening.
- c) In case of Consortium or Joint Venture, One single partner/lead partner alone should qualify above clause a) or b)
- d) Specific for Bid qualifying criteria:
- 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.
 - 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.
 - 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.
 - 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.
 - Bidder shall submit a documentary evidence for the value of the project certified by a Chartered Accountant

Financial Criteria

A. Net worth

- The net worth of the tenderer/ bidder as on 31st March of the previous financial year shall be equal to or more than **16.25 Cr.** 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.
- In case where audited results for the last preceding financial year are not available, certification of financial statement for the last preceding financial year, 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. 149.28 Crores** 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.

4) 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. Consortium/JV shall fulfill qualifying criteria stipulated in point 3,4,5,6,7, 8
- ii. Documentary proof regarding Consortium/JV shall be submitted along with the bid in the prescribed format.
- iii. The Consortium/JV partners shall jointly and severally be responsible for execution of the contract and the warranties/guarantees for the project.
- iv. The Consortium/JV arrangement shall continue till 90 days beyond the expiry of Five years O&M contract.
- v. The members in the Consortium shall be limited to THREE only.
- vi. 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

5) JOINT VENTURE

In case the bidder is joint venture Company, each promoter shall have minimum 26% equity in Joint Venture Company.

6) REGISTERED OFFICE

Bidder or one of the consortium/JV partners shall have registered office in India.

7) EXCLUSIVITY

- i. The Bidder can either submit the bid in his individual capacity or in Consortium /JV with other partner.
- ii. The partners in the Bidding Consortium/ JV shall not separately participate as independent Bidders or as members of any other Consortium /JV in this Bidding process. All bids in contravention of this shall be rejected.

8) TRACK RECORD

The Bidder shall have a good track record and shall not have been blacklisted/Banned for the participation in tender issued by the entity, government/ semi government organization in any country as on date of submission of bid. The bidder shall submit an affidavit to that effect. MAHAGENCO, may reject the bid, if such affidavit is not furnished or contract may be terminated if any information found incorrect at any later stage.

9) PROPOSED BID EVALUATION CRITERIA FOR 65 MW:

- a. Only after the Technical Evaluation has been finalized, the price bids of those bidders that qualify during the evaluation of the technical bids shall be opened.
- b. Bidder shall quote the Total Bid price per MU required for setting up the Solar PV Project in the financial part of bid.
- c. The minimum generation (G') and their point of power measurement is shown below:

Project capacity	Point of interconnection / measurement	Minimum Annual Generation (G')
65 MW (AC)	Radial Feeder Connectivity on 220 kV Level from 400/220 kV Chandrapur II substation	132.81MU

- d. Bidders shall quote the following information in their bid:
 1. Quoted Price (L) in INR per MU inclusive of all applicable taxes & duties.
 2. Quoted Guaranteed Annual Generation (G) in MU \geq G'.

3. $DC/AC \text{ ratio} = \text{Cumulative DC capacity of the solar arrays} / \text{cumulative rated AC capacity of inverters at reference ambient temperature as per specification}$
- e. Project Contract Price (X) = (L) x (G) in INR.
 - Where, 5% of Contract price will be treated as O& M Contract price, which will be paid in 60 monthly bills i.e. for the O& M period of 5 Years.
- f. **Bidder with lowest L will be considered the Successful Bidder.**
 - 1) **L1 Bidder** is the bidder who has quoted lowest price per MU inclusive of all applicable taxes and duties for Quoted Guaranteed Electric Energy Generation (QGEEG) as per above (b), (c) & (d).
 - 2) If quoted lowest price per MU inclusive of all applicable taxes and duties is equal for more than one bidder for Quoted Guaranteed Electric Energy Generation (QGEEG), then following Tie Breaker will be applicable.
- g. **Bidder with highest QGEEG will be considered as “L1-Bidder”**
 - 1) And, if more than one bidder has quoted the same lowest tariff per MU inclusive of all applicable taxes and duties and same Quoted Guaranteed Electric Energy Generation (QGEEG) then the bids will be arranged in **chronological order**. Hence the **bidder who has quoted earlier than other bidder will be “L1 Bidder”**
 - 2) The QGEEG in MUs will be considered up to **two (2)** decimals only.
 - 3) MSPGCL may negotiate with the L1 bidder for Quoted Guaranteed Electric Energy Generation (QGEEG) for enhancement of MU's offered.
 - 4) Only L1 bidder shall submit signed hard copy of detail price break up for EPC cost, Mandatory Spares and O&M costs consider as mentioned above for 5 years within 10 Days from the date of LoA acceptance.
 - 5) All costs shall include ex-works price and all taxes & duties as applicable. The breakup needs to be made available to MAHAGENCO with [a] supply of material, with applicable taxes & duties rate [b] supply of services, with applicable taxes & duties rate.
 - 6) The price breaks up to be provided in compliance to GST Act.

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