



Maharashtra State Power Generation Company Ltd.

(Govt. Of Maharashtra Undertaking)

Project and Planning Department, "Prakashgad"
3rd Floor, Bandra (East), Mumbai-51

Notice Inviting Tender

Tenders are invited for --- "Design, Engineering, Manufacture, Assembly, Testing at Works, Supply at Site; Civil, Structural Works, Erection, Testing & Commissioning of FGD System for Unit 8,9 & 10 of Koradi 3x660MW Thermal Power Station including O&M of the FGD system for the span of 10 years."

(Tender Code (RFx) No. 300005995)

The detailed NIT and prequalification requirements can be viewed on Mahagenco website www.mahagenco.in under Tenders-Head office Tenders, and <http://eprocurement.mahagenco.in>.

For accessing the tender document visit our website: - <http://eprocurement.mahagenco.in>. The bidders already registered for Mahagenco SRM e-tendering system can access/download the tender after due payment of tender fee. The tender document will be available for online sale from 25.09.2019, 11:00 hrs to 09.10.2019, 16:00 Hrs.

For the bidders who are not registered with Mahagenco SRM e-tendering system are required to be registered with Mahagenco. Registration will be done after furnishing and physical verification of the required documents/details of the company. The registration procedure is given on <http://eprocurement.mahagenco.in> in Documentation section.

The bidders are required to visit www.mahagenco.in and or <http://eprocurement.mahagenco.in> for corrigendum/amendments, if any at a future date.

For further clarification, following engineers of Project & Planning can be contacted on

- 1) Supdt. Engineer, Project & Planning 022-26474211(Extn:2304) / Mob.No.8879770703
- 2) Executive Engineer, Project & Planning 022-26474211(Extn:2465) / Mob.No.8879770725

Email:-cgmpp@mahagenco.in / segpp1@mahagenco.in / eegpp14@mahagenco.in.

Sd/-
Chief Engineer(P&P),

Schedule of Tender (RFx) No. 3000005995

Open Tender in SRM for "Design, Engineering, Manufacture, Assembly, Testing at Works, Supply at Site; Civil, Structural Works, Erection, Testing & Commissioning of FGD System for Unit 8,9 & 10 of Koradi 3x660MW Thermal Power Station including O&M of the FGD system for the span of 10 years"

| Sr. | Activity | Date |
|-----|--|---------------------------|
| 1 | Start Date of Acceptance of Tender Fee by MAHAGENCO and Download of Tender Document. | 25.09.2019 |
| 2 | Last Date of Acceptance of Queries / Comments from Bidders. | 03.10.2019 |
| 3 | Pre Bid Meeting. | 04.10.2019 |
| 4 | Last Date of Acceptance of Tender Fee By MAHAGENCO and Download of Tender Document | 09.10.2019 |
| 5 | Last Date for Submission of Online Bid (Techno-Commercial and Price Bids) along with EMD. | 10.10.2019 |
| 6 | Last Date for Submission of Bid (Techno-Commercial) in Physical form along with original EMD-BG. | 11.10.2019 |
| 7 | Due Date for Opening of Techno-Commercial Bids | 11.10.2019 |
| 8 | Opening of Price Bid of Qualified Bidders | Will be intimated by mail |

Sd/-
Chief Engineer(P&P),

**PRE-QUALIFYING REQUIREMENTS (QR) FOR TENDER OF FGD FOR KORADI
UNIT No. 8, 9 & 10**

The Bidder should meet the following requirements stipulated in any one of the qualifying route –

1.0 TECHNICAL CRITERIA

(A) Bidding through Qualified Wet Limestone based Flue Gas Desulphurization

System Manufacturer (QFGDM)

- The Bidder should be QFGDM (QFGDM): Bidder should have designed, engineered, erected or supervised erection and commissioned/supervised commissioning of total contract for FGD installation in a pulverized Coal fired Power Plant, Wet Limestone based FGD system with single absorber having flue gas treatment capacity of flow not less than 10, 00, 000 Nm³/hr for SO₂ removal.
- QFGDM should submit performance certificate from any end user along with relevant PO/CA regarding satisfactory operation of FGD system. Such system should have been in successful operation for a period not less than two (2) years within last 7 years from any end user prior to the date of Techno-commercial bid submission.
- If the bidder is a foreign based QFGDM, then bidder should have subsidiary company in India or form a JV /consortium with Indian Company. Indian Company with such subsidiary / JV / consortium formed with QFGDM shall participate in the bidding.

(B) Bidding as a Steam Generator OR ESP Manufacturer, should fulfill all the following requirements.

- The bidder, based in India, should have designed, engineered, manufactured or got manufactured, erected or supervised erection and commissioned Steam Generator or ESP in a single contract for Pulverized Coal Fired Power Plant generator capacity of 200MW Unit or above.

- The above Steam Generator or ESP should have been in successful operation for a period not less than one (1) year within last 7 years prior to the date of Techno-commercial bid submission. Bidder to submit performance certificate from any end user along with relevant PO/CA regarding satisfactory operation.
- In addition to above, the bidder should be having valid collaboration agreement or technology licensing agreement (TLA) with the manufacturer of wet Limestone FGD System (QFGDM) for minimum 5 years or till completion of defect liability period of the allotted FGD project whichever is later.
- Such QFGDM should submit performance certificate from any end user along with relevant PO/CA regarding satisfactory operation of FGD system for more than two (2) years within last 7 years prior to the date of Techno-commercial bid submission.

(C) Bidding as a EPC Organization of BTG Package, should fulfill all the following requirements.

- The Bidder should be an Engineering, Procurement and Construction (EPC) organization, based in India, and should have executed work for Pulverized Coal fired Power Plant of capacity of 200MW unit or above on EPC basis for Boiler, Turbine & Generator (BTG) package.
- Plant should have been in successful operation for a period not less than one (1) year within last 7 years prior to the date of Techno-commercial bid submission. Bidder to submit performance certificate from any end user along with relevant PO/CA regarding satisfactory operation.
- The bidder should be having valid collaboration agreement or technology licensing agreement (TLA) with the manufacturer of wet Limestone FGD System (QFGDM) for minimum 5 years or till completion of defect liability period of the allotted FGD project whichever is later.
- Such QFGDM should submit performance certificate from any end user along with relevant PO/CA regarding satisfactory operation of FGD system for more

than two (2) years within last 7 years prior to the date of Techno-commercial bid submission.

(D) Bidding as EPC Organization of FGD System, should fulfill all the following requirements.

- The bidder should be an Engineering, Procurement and Construction (EPC) organization, based in India, and should have carried out installation of Wet Limestone based FGD system with single absorber capacity of treating flue gas flow not less than 10,00,000Nm³/hr for SO₂ removal in a pulverized Coal fired Power Plant on EPC basis.
- Such FGD system should have been in successful operation for a period not less than one (1) year within last 7 years prior to the date of Techno-commercial bid submission. Bidder to submit performance certificate from any end user along with relevant PO/CA.
- In addition to above, the bidder should be having valid collaboration agreement or technology licensing agreement (TLA) with the manufacturer of wet Limestone FGD System (QFGDM) for minimum 5 years or till completion of defect liability period of the allotted FGD project whichever is later.
- Such QFGDM should submit performance certificate from any end user along with relevant PO/CA regarding satisfactory operation of FGD system for more than two (2) years within last 7 years prior to the date of Techno-commercial bid submission.

Note-1 Direct/ Indirect Order

The Bidder/QFGDM shall also be considered qualified, in case the award for executing the reference works has been received by the bidder/QFGDM either directly from owner of the plant or any other intermediary organisation. However, a certificate from such owner of the plant or any other intermediary organisation shall be required to be furnished by the bidder along with its Techno-commercial bid in support of the bidders/QFGDM claim of meeting the QR.

Note-2 QFGDM with Multiple Technology-

QFGDM can participate either as bidder or as a Collaborator. However, in case QFGDM have Two Types of Wet Lime Stone based FGD Technologies then only QFGDM is allowed to participate in maximum Two Bids as under ---

- i) As a bidder offering one type of Technology and as a collaborator with another Bidder offering other type of Technology.
- ii) As a Collaborator with Two different Bidders offering two different types of Technologies.

Note: 1) In such case, Bidder would be required to provide documents/details including patents (if any) in support of having two different types of Technologies offered separately in Two Different Bids.

- 2) QFGDM with multiple technologies shall participate in bidding with different routes only.

2.0 FINANCIAL CRITERIA :

The Bidder or its JV/ Consortium Partner (in case of JV / Consortium) or Subsidiary seeking Technical Criteria stipulated in (A) should fulfill the financial criteria mentioned in 2.2.1& 2.2.2 only. However, the Bidder and collaborator (in case of collaboration) seeking Technical Criteria stipulated above in (B) to (D) should fulfill all the following Financial Criteria stipulated below.

2.2.1 Average Annual financial turnover of bidder and collaborator (in case of Collaboration) individually OR Indian Bidder of the consortium agreement during the last 3 years, ending 31st March of the previous financial year, should be more than Rs. 242 Crore.

2.2.2 The Net Worth of bidder and collaborator (in case of Collaboration) individually OR Indian Bidder of the consortium agreement as on the last day of the preceding financial year should not be less than 25% of the paid up share capital.

2.2.3 Bidder fulfilling any of the criteria mentioned in (B) to (D) shall produce the orders. Such Orders should be of the following works executed during last 7 years ending last day of month previous to one in which applications are invited-

- Three completed works costing not less than the amount of Rs. 322 Crore

OR

- Two completed works costing not less than the amount of Rs. 402.5 Crore

OR

- One completed work costing not less than the amount of Rs. 644 Crore

In this case the list of Completed Eligible Works to be considered is as under -

- a) Works such as designing, engineering, manufacturing or got manufacturing, erecting or supervising erection and commissioning Steam Generator or ESP in a single contract of Pulverized coal fired Power plant capacity of 200MW unit or above.
- b) Work of Engineering, Procurement and Construction (EPC) of BTG package for pulverized coal fired Power plant capacity of 200MW unit or above.
- c) Work of Engineering, Procurement and Construction (EPC) of FGD for pulverized coal fired Power plant capacity of 200MW unit or above.

In case the bidder does not satisfy the financial criteria stipulated at 2.2.1 to 2.2.3 on its own, then the financial & technical credentials of its holding company shall be submitted along with letter of undertaking from its Holding company supported by the Legal Document pledging unconditional and irrevocable financial & technical support to the bidder for the execution of the contract for five years from the last month of the date of bidding or till completion of defect liability period.