



OWNER:

THE TATA POWER COMPANY LIMITED

EPC CONTRACTOR:

TBD

PROJECT MANAGER:

THE TATA POWER COMPANY LIMITED

PROJECT:

FGD (FLUE GAS DESULPHURISATION) SYSTEM MAIN PACKAGE

67.5 MW (Unit# 1)

JOJOBERA THERMAL POWER PLANT

ENQUIRY REFERENCE NO.: CC/RS/FY19-008/JOJOBERA U#1-FGD/R1

EXPRESSION OF INTEREST (EOI)

FGD (FLUE GAS DESULPHURISATION) SYSTEM MAIN PACKAGE, JOJOBERA THERMAL POWER PLANT UNIT#1

Enquiry reference no.: CC/RS/FY19-004/JOJOBERA U#1-FGD/R1
Name of Package: FGD (Flue Gas Desulphurization) System Main Package (Package) at for 67.5 MW Jojobera Thermal Power Plant, in Jamshedpur, Jharkhand – India
Type of Bidding: E-tendering / Two Part
Contact Details: Ravi Shingare Lead Engineer - Contracts The Tata Power Company Limited, Technopolis Knowledge Park, CENTEC, Mahakali Caves Road, Chakala, Andheri (E), Mumbai 400 093, Maharashtra, India Tel: 022-67173239 (L), extn 3239 Mobile: 9029004168 Email: ravi.shingare@tatapower.com Website: https://www.tatapower.com/tender/tenderlist.aspx

The Tata Power Company Limited (“Project Manager”) on behalf of Jojobera Thermal Power Plant (“Site”) invites Expression of Interest (EOI) from interested parties for the Two-Part e-Tendering Process of following Relevant Package:

Description	Bid Security	Tender Fee
Design, engineering, manufacture, shop fabrication, assembly, shop testing, type testing at manufacturer's works, inspection, packing, supply, loading, unloading, transportation, proper preservation at site, storage & handling at site, erection/ installation, construction, site testing and commissioning and performance testing of DSI based Flue Gas Desulphurization (FGD) System for 100% of the flue gas flow rate for the 1 x 67.5 Unit No 1 of Jojobera Thermal power plant located at near Jamshedpur, East Singhbhum District, Jharkhand State, India. (“Site”).	INR 1 million Or equivalent foreign currency	INR 1,000/- Or USD 15/-

1. INTRODUCTION:

The Tata Power Company Limited (TPC) is among the largest private sector Power Utility companies in India with presence in Generation, Transmission and Distribution of Power through conventional and renewable sources.

The Tata Power Company Ltd. started its operations in Jamshedpur, Jharkhand with the acquisition of 67.5 MW coal based captive power unit of Tata Steel in April 1997. To meet the increasing demand of Tata Steel, Tata Power added five more units of 120 MW each in Jojobera in the year 2001, 2002, 2005, 2009 & 2011 respectively. Unit 2 & 3 of Jojobera Power Station are regulated by Jharkhand State Electricity Regulatory Commission (JSERC) whereas Unit 1, 4 & 5 are captive units. The generating plant is in near Jamshedpur, East Singhbhum District, Jharkhand State, India. A brief overview of Owner and Site is given below:

Site Name	67.5 MW (Unit# 1) Jojobera Thermal Power Plant
Owner	The Tata Power Company Limited
Project Manager	The Tata Power Company Limited
Site Location	At Jojobera, near Jamshedpur, East Singhbhum District, Jharkhand State, India. Latitude: 22° 49' N Longitude: 86° 11' E
Nearest Rail head	Tatanagar, Broad gauge, 10 km from plant site.
Transport	Road/Rail
Plant Elevation	176.0 m

In order to limit the SO₂ emissions in the thermal power units, it is proposed to install Flue Gas Desulfurization (FGD) system at Jojobera for Unit 1 for treating 100% of Flue gas coming out of this unit. The outlet SO₂ emissions shall be limited to 600 mg/Nm³ as per latest standards stipulated by MoEF&CC under Environment (Protection) Amendment Rules 2015 for thermal power plants. Bidder to offer a Sodium Bicarbonate based dry sorbent injection system (DSI).

2. SCOPE OF WORK:

The scope of the Bidder shall comprise of design, engineering, manufacture, procurement, inspection and testing at manufacturer's works, supply, packing and delivery at project site unloading and storage at site, in-plant transportation and handling at site, fabrication, erection, interconnection with existing units, pre-commissioning, testing, successful commissioning, performance testing and handing over of complete FGD system based on Sodium Bicarbonate based dry sorbent injection system (DSI technology) including electrical, C&I, system for 1x67.5 MW of Jojobera thermal power station (hereinafter referred as the "Relevant Package"), to be implemented at Jojobera thermal power station, At Jojobera, near Jamshedpur, East Singhbhum District, Jharkhand State, India for Jojobera Thermal Power Plant (hereinafter referred as the "Owner"). Detailed Technical Specifications, Scope of Work, Terms & Conditions are provided in the Bid Documents, which shall be made available to interested parties against submission of Tender Fee as prescribed above.

3. TENDER FEE & TIMELINES:

- a) Interested parties meeting the pre-qualification criteria specified elsewhere in this document can request for Bid Document and participate in the bidding process by submitting their Expression of Interest (EOI) and credentials along with the Tender Fee **not later than 6th March 2019**. Request for Bid Document/EOI will be not be entertained beyond this deadline.
- b) Interested parties to submit Non-Refundable Tender Fee, as indicated in the table above, in the form of crossed demand draft/banker's cheque/pay order in the name of "Tata Power Company Limited" payable at par at all branches in Mumbai along with a covering letter duly stamped and signed by an authorized signatory clearly indicating the Tender Reference number, your EOI to participate in the tendering process and indicating name of authorized person, contact number / e-mail id (mandatory) on Bidder's letterhead. It is mandatory to mention Tender Reference no. in the said letter.
- c) Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal only to the parties whose EOI meeting above mentioned requirements are received by the deadline mentioned above.

4. BID SECURITY:

Interested parties to note that Bidder is required to furnish a Bid Security along with their Bid, in the format prescribed in Bid Document in the form of Bank Guarantee for an amount of **INR 1 million** (or equivalent freely traded foreign currency) and Bids not accompanied by an acceptable Bid Security shall be rejected by the Owner as being non-responsive and returned to the bidder without being opened.

5. PRE-QUALIFICATION CRITERIA:

Interested parties to note that Bidder shall be required to fulfill the following conditions and submit relevant supporting documents for each of the following criteria along with the Bid.

Bidder must be a company having experience of in-house design, engineering, manufacturing / supply, erection/supervision of erection and commissioning of at least one (1) no. Dry Sorbent Injection System (DSI) project using Sodium Bicarbonate **or some other chemical** as reagent for 50 MW or above pulverized coal fired unit in India or abroad. The above DSI project must have been in successful operational for one (1) year or more as on the date of Techno-Commercial Bid Submission. Bidder/consortium shall have a combined weighted (in ratio of consortium participation) average annual turn-over of last 3 years of at least INR 200 million or equivalent foreign currency. Consortium / JV bidding partners shall be required to provide a Deed of Joint Undertaking as per the format prescribed by Tata Power. **The Bidders offered technology & selected chemical as reagent shall not hamper usability of Fly ash & operation of Fly / Bottom ash wet disposal system.**