

JINDAL INDIA THERMAL POWER LTD

REQUEST FOR QUALIFICATION (RFQ)

FOR SUPPLY OF 2X600 MW BOILER , TURBINE GENERATOR AND CONTROL & INSTRUMENTATION (BTG) PACKAGE BASED ON SUB-CRITICAL PARAMETERS FOR THERMAL POWER PROJECT IN CHHATTISGARH , INDIA.

(INTERNATIONAL COMPETITIVE BIDDING)

Jindal India Thermal Power Ltd (JITPL) Overview

JITPL , a company of US\$ 600 Million B.C Jindal Group , is setting up 2x 600 MW Coal based Sub-Critical Thermal Power Plant in the State of Chattisgarh, India. Group's other companies are Jindal Poly Films Ltd., Jindal Photo Ltd, Jindal India Ltd. and Rexor SA France. JITPL invites proposals from Bidders in response to this RFQ for supply, erection , testing & commissioning of Boiler, Turbine Generator and Control & Instrumentation (BTG) package as defined hereunder.

Project Information: -

OWNER	:	Jindal India Thermal Power Ltd. Plot No. 12, Sector B-1, Local Shopping Complex, Vasant Kunj New Delhi – 110070
CONSULTANT TO PROJECT	:	TCE Consulting Engineers Limited Sheriff Centre, 73/1, St. Mark's Road, Bangalore 560001
PROJECT	:	2 x 600 MW Coal Based Sub-Critical Thermal Power Plant at Chhattisgarh
LOCATION	:	Village Lohakhan, Distt. Raigarh. State of Chhattisgarh India Latitude: 21° - 53' – 55" N Longitude: 83° - 27' – 53" E
SOURCE OF COAL	:	Mand -Raigarh Coal fields of SECL
SOURCE OF WATER	:	Mahanadi River
ACCESS TO SITE	:	Road : About 18Km from Raigarh town Rail : Nearest Railway Station is Raigarh about 18 Km away from site on Raigarh- Jharsuguda Broad Gauge section of South Eastern Main line

The brief scope of work, pre-qualification requirements and information to be submitted are given below:

1. Scope of Work

Detailed design including civil design for TG deck , engineering, manufacturing, shop fabrication, assembly, testing and inspection at supplier's works, packing, dispatch, shipping, delivery at Indian Port/unloading at Indian Port, delivery from Indian port to site in case of imported equipment and delivery/ unloading at site for indigenous equipment, unloading and storing at site, insurance up to time of handing over and supervision of erection, start-up, commissioning, successful performance testing of the BTG package comprising of Boiler, Turbine Generator and Control & Instrumentation , with all associated auxiliaries, Generator Bus Duct, Generator Transformer and C&I systems for the proposed coal based Thermal Power Plants.

2.0 BID QUALIFICATION REQUIREMENTS

Bidders should meet the qualifying requirements stipulated hereunder:

A. Technical

- (a) The bidder (LICENSOR OR LICENSEE -- Refer Clause No.3.1 & 3.2 for explanation of LICENSEE) should have designed, engineered, manufactured, installed, tested and commissioned at least Five (5) units of 500 MW or higher capacity of the type to be offered in the bid for the project comprising of the following:-
 - i) Coal fired drum type Sub-critical Boilers & Auxiliaries.
 - ii) Steam Turbine Generators (with Sub-critical steam parameters) with steam parameters equal to or higher than those offered.
- (b) Out of the above, at least two (2) sets of Boiler with auxiliaries, Steam Turbine Generators with auxiliaries and Control & Instrumentation system should have been in successful commercial operation for the last Three (3) years and logged not less than 20,000 operating hours each as on the date of submission of RFQ.
- (c) The bidders who meet the requirements stipulated above except that they do not manufacture the above capacity electric generators, may offer the generator of another manufacturer of required proven track record.
- (d) Bidders who are not the manufacturers of BTG and are EPC (Engineering, Procurement and Construction) contractors may also be qualified subject to submission of Joint Deed of Undertaking (JDU) with the Associated Companies who are manufacturers of Boiler, Turbine Generator and C&I. The JDU shall specifically mention that in case the bidder gets the award of the contract, the Associated Companies shall comply to all the requirements of the Bidder mainly in respect of the technical specifications, the quality requirements, the delivery schedule, Performance Guarantees and the availability of experts for construction supervision and commissioning of the plant. The Associated Companies should meet the qualification criteria mentioned in Para (a), (b), &(c) under Bid Qualification Requirements.

B. Financial

The Bidder shall have adequate financial resources to execute the Contract concurrently with his other commitments and shall meet the following conditions: -

- a) The Bidder shall have during the last three financial years an Average Annual Turn Over of not less than Rs.30,000 million (US\$ 715 million) or its equivalent in any other currency.
- b) In case the bidder is EPC contractor, the financial criteria mentioned above shall be met by either the Bidder or the Associated Companies, individually or jointly

3.0 SPECIFIC REQUIREMENTS-FOR LICENSOR OR LICENSEE

(To be met for each package separately)

3.1 The manufacturer (LICENSOR OR LICENSEE) shall furnish satisfactory evidence to establish the following without any ambiguity that:-

- a) He is a qualified manufacturer of Boiler, Turbine Generator and C&I who regularly manufactures the equipment and has adequate technical knowledge and practical experience.
- b) He has adequate plant and manufacturing capacity available to perform the works properly and expeditiously within the time period specified.
- c) He has adequate field service organization to provide the necessary field supervision and management services required to successfully erect, test and commission the equipment as required by the contract.
- d) He has established quality assurance systems and organization designed to achieve high levels of equipment reliability, both during his manufacturing and field supervision activities.

3.2 The manufacturer (LICENSEE) shall meet the following requirements and shall submit the documents to purchaser on demand.

- a) Any design including engineering undertaken by the LICENSEE shall be approved by the LICENSOR.
- b) Manufacture by the LICENSEE shall be done with the approval of the LICENSOR and owner under a quality assurance program approved and monitored by the LICENSOR.
- c) LICENSEE must furnish backup guarantee from the LICENSOR for individual and over all performance of the equipment supplied under the contract including conceptual engineering and system design.
- d) The LICENSEE agreement should be valid for a period of five years from the date of successful completion of trial operation of this equipment.
- e) LICENSOR's quality assurance standards to be followed by the LICENSEE shall be made available to the owner or owner's inspector or his authorized representative.
- f) LICENSOR's technical support will be made available as required by the owner in answering owner's technical queries by way of correspondence and participation in coordination meetings during the execution of the contract.
- g) Sub- vendors of the LICENSEE shall be approved by the LICENSOR.

LICENSEE who have designed, engineered, manufactured, tested and commissioned at least Ten (10) such BTG(as the case may be) as per the Qualifying criteria mentioned in clause no 2.0 or

higher capacity of the type offered in the bid for the project in the last ten (10) years and at least 2 of these BTG should have been in successful commercial operation for the last 2 years and logged not less than 14000 hours each as on date of bid opening are exempted to meet the requirements given above.

4.0 The surface condenser manufacturer should have designed, manufactured, supplied, tested and commissioned at least three (3) similar type and configuration of surface condenser for a steam turbine of similar or higher capacity, which are in satisfactory commercial operation for a period of not less than 20000 hours in coal fired power plants as on date of bid opening.

5.0 The Boiler feed pump (BFP) manufacturer should have designed, manufactured, supplied, tested and commissioned at least ten (10) similar type and configuration of BFP for units of similar capacity and pressure rating or higher, which are in satisfactory commercial operation for a period of not less than 20000 hours in coal fired power plants as on date of bid opening.

6.0 DCS manufacturer should have designed, manufactured, supplied, tested and commissioned at least two (2) nos. of Distributed Control System (DCS) of similar capacity or higher capacity for coal fired power plants in the past Five (5) years. Out of these two, at least one unit shall have completed three (3) years of satisfactory commercial operation of DCS. The type and version of DCS offered shall be state of the art system which is in satisfactory commercial operation for a period of not less than 20000 hours.

7.0 The manufacturers / suppliers / sub-vendors of all equipment/systems shall be regular manufacturers / suppliers of such equipment / systems. They shall provide necessary evidence of same.

8.0 INFORMATION REQUIRED.

The following information is to be provided by the BIDDER in response to this RFQ:

- a) Bidder shall furnish their audited profit and loss account and balance sheet for the last three (3) years.
- b) Credit rating by reputed agencies, if any.
- c) Experience list for the last three years as per **Annexure-1**
- d) Letter of Authority for the authorized signatory.
- e) Documentary evidence to satisfy the qualifying requirement mentioned in Sr.No.2 above (Bid Qualification Requirements).
- g) Affidavit on a non-judicial stamp paper of Rs.100/- that the Bidder shall submit JDU as mentioned above with Associated Companies at the time of submission of the Request for Proposal (RFP), if applicable.
- h) The Associated companies shall furnish all the above information at the time of RFP, if applicable.
- i) Bidder does not anticipate change in his ownership during the proposed period of the work. (If such a change is anticipated, the scope and effect thereof, shall be defined

9.0 SELECTION OF BIDDERS.

A scrutiny of the information received will be carried out and the selected bidders will be informed in due course. The selected bidders will be issued RFP (Request For Proposal) for the package.

10.0 METHOD OF SUBMISSION OF INFORMATION AND DUE DATE.

All the bidders are requested to submit the above information through E-mail as well as hard copy , One Original+2 Copies(placed in one envelope) duly signed & stamped by authorized signatory of the Bidder, through courier so as to reach the following address **latest by**

20. 07.2008 :

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