

**JINDAL INDIA THERMAL POWER LIMITED**  
**REQUEST FOR QUALIFICATION (RFQ)**  
**FOR ENGINEERING, PROCUREMENT & CONSTRUCTION FOR BALANCE OF PLANT**  
**PACKAGES FOR (2 X 600MW / 600MW+10%) IN DIST. ANGUL, ORISSA, INDIA**  
**(INTERNATIONAL COMPETITIVE BIDDING)**

**1.0 INTRODUCTION**

A USD 600 Million B.C Jindal Group has been operating for the last five decades in the country and is known for its multi-product and multi-location manufacturing establishments. Group's other companies are Jindal Poly Films Ltd., Jindal Photo Ltd, Jindal India Ltd., and Rexor SAS, France. Jindal India Thermal Power Ltd (JITPL), a 100% subsidiary company of Jindal Photo Ltd, is setting up 2x600MW/600MW+10% Coal based Sub-Critical Thermal Power Plant in the State of Orissa, India. JITPL invites proposals from Bidders in response to this RFQ for supply of Balance of Plant packages as defined hereunder on EPC basis.

**Project Information: -**

OWNER	:	Jindal India Thermal Power Ltd. Plot No. 12, Sector B-1, Local Shopping Complex, Vasant Kunj New Delhi – 110070
PROJECT	:	2 x 600MW/600MW+10% Coal Based Sub-Critical Thermal Power Plant
LOCATION	:	Near village Dereng, Tehsil Talcher Distt. Angul State of Orissa India  Latitude: 21° - 07' – 00" N Longitude: 85° - 00' – 00" E
SOURCE OF COAL	:	* Mandakini Coal Block, Talchar, Orissa * Coal linkage from MCL Coalfields, Talchar, Orissa.
SOURCE OF WATER	:	Brahmani River
ELEVATION ABOVE MEAN SEA LEVEL	:	110 Mtr
ACCESS TO SITE	:	Road : About 35KM North-West of Talcher town and 20 KM from NH-23.  Rail: Nearest Railway Station: Talcher

The brief scope of work and pre-qualification requirements and schedule are given below: -

## **2.0 SCOPE OF WORK OF BOP PACKAGES**

Detailed design & engineering, complete manufacturing, fabrication including quality control / shop testing, packaging, forwarding, shipment and transportation to site, handling, preservation & conservation of equipment at site, erection, construction, commissioning, testing, start-up, trial operation, performance guarantee testing, commissioning spares, mandatory / recommended spare parts, special tool and tackles, Insurance, training of JITPL's personnel, operation & maintenance of the Balance of Plant comprising of following packages:

### **2.1 Balance of Plant (Mechanical) :-**

Cooling Water System, Auxiliary Cooling Water System, DM Cooling Water System, River Water intake system, Water Treatment Plant, DM Plant, Service and portable water system, Fire Protection, Detection & Alarm System, Fire Tenders, Effluent Treatment Plant, Fuel Oil System, Compressed Air System, Air Conditioning System, Ventilation System, Hydrogen Generation Plant, EOT Cranes, Misc. Cranes & Hoists, Work-shop equipments, Elevators, Condenser Online Tube Cleaning System, Miscellaneous Pumps & Valves, HP / LP Piping & fittings, erection of BTG & associated structure & auxiliary systems and associated Instrumentation & Control system for the proposed Thermal Power Plant on EPC Basis.

### **2.2 Balance of Plant (Electrical): -**

Generator Transformers, Station Transformers, Unit Transformers, Service Transformers, Bus Duct including Generator bus ducts, segregated and non segregated phase bus ducts, HT switchgear, LT switchgear (Load centre substation, PDBS) & MCC, DC System, UPS System, Power & Control cables & trays, Control & relay panels, switchyard equipment including SCADA, Lighting System, Plant communication system including EPABX & public address system, Earthing and lighting protection including Cathodic protection, Generator Circuit Breaker, Electrical lab equipment for the proposed Thermal Power Plant on EPC Basis.

### **2.3 Coal Handling Plant & Ash Handling Plant: -**

Complete Package consisting of Wagon Tippler, Hopper, Stacker-cum-reclaimer, Crusher, Screen, Conveying system, and Civil and Structural work including Junction Tower, Crusher house, pent house, and conveyor galleries.

Complete Ash Handling System including Bottom Ash, Fly Ash System and Civil & structure work including Houses, fly ash silos & hoppers, pipe racks etc. for the proposed Thermal Power Plant on EPC Basis.

### **2.4 Civil & Structural work for BTG package including NDCT and Chimney.**

Station Building: Structures and all civil works, Foundations of SG island equipment, misc. structures, pipe & cable racks, Coal bunkers / bunker bay structure and foundations, Natural draft cooling Tower, Double flue chimney with RC shell, Transformer yard & switchyard for the proposed Thermal Power Plant on EPC Basis.

### **2.5 General Civil & Structural Works.**

Site improvement works like site clearing, grading, boundary walls, road & drains, Civil work for ash dyke, Pump houses including Raw water Pump Houses, CW pump Houses, switchgear room, chlorination room / structures, stop log gates, screen, Misc. tanks, Pipe Rack, Raw Water Reservoir, Fuel handling system, Railway track inside the plant Miscellaneous buildings such as workshop, ware house, Admin building, fire station, fuel oil pump house, Air washer room, gate and service buildings as well as township for the proposed Thermal Power Plant on EPC Basis.

### **3.0 BID QUALIFICATION REQUIREMENTS**

**Bidders should meet the qualifying requirements stipulated hereunder for package/packages offered:**

#### **A. TECHNICAL**

- (a) The bidder should have completed or undertaken design, engineering, manufacturing, installation, testing and commissioning of at least two (2) packages for 500 MW or higher capacity Coal Based Thermal Power Plants for each type of package offered.
- (b) At least one (01) package of each type offered should have been in successful commercial operation for Coal Based Thermal Power Plants of the capacity 210 MW or higher for the last three (3) years and logged not less than 20,000 operating hours each as on the date of submission of response to RFQ.

#### **B. SPECIFIC REQUIREMENTS-**

The contractor shall furnish satisfactory evidence to establish the following without any ambiguity that:-

- (a) He is a qualified contractor of Balance of Plant and is regularly undertaking the contracts and has adequate technical knowledge and practical experience.
- (b) 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.
- (c) He has established quality assurance systems and organization designed to achieve high levels of equipment reliability, both during his manufacturing, Installation and field supervision activities.

#### **C. FINANCIAL**

- (a) The Bidder shall have adequate financial resources to execute the Contract concurrently with his other commitments and shall meet the following conditions.
- (b) The Bidder shall have during the last three financial years an Average Annual Turn Over of not less than Rs.1,000 million (US\$ 25 million) or its equivalent in any other currency, for each package. For additional packages, the same will be in multiples thereof.

### **4.0 INFORMATION REQUIRED.**

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

- a) 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).
- b) Bidder shall furnish their audited profit and loss account and balance sheet for the last three (3) years.

- c) Bidder shall furnish documentation to establish that he has adequate financial stability and status to meet obligations pursuant to scope of the contract.
- d) Credit rating by reputed agencies, if any.
- e) Contracts in hand/pending jobs and their status.
- f) Major legal cases and their statutory liabilities.
- g) Recent list of orders coal fired power plants for the packages offered and their status.
- h) Bank solvency certificate.
- i) Letter of Authority for the authorized signatory.
- j) Documentary evidence to satisfy the qualifying requirement mentioned above.**
- k) Affidavit on a non-judicial stamp paper for Rs. 100/-, agreeing for submission of Joint Deed of Agreement (JDA) with associated companies at the time of submission of request for proposal (RFP), incase the bidder proposes to make an offer in association with other companies/equipment manufacturers, for meeting the qualification requirements.

#### **5.0 SELECTION OF BIDDERS AND ISSUE OF REQUEST FOR PROPOSAL(RFP).**

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 the tender document along with the detailed technical specifications covering BOP packages, indicating the bid security amount and the timetable for submission of the same.

#### **6.0 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 10.03.2008:**

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