

WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED

(A Government of West Bengal Enterprise)

Sagardighi Thermal Power Project
PO : Manigram, P.S.: Sagardighi, Dist : Murshidabad (West Bengal) PIN – 742237
Phone No : (03483)237003 EPBAX-237005,237006, Fax: 237002

Notice No.:WBDCL/EOI-Adv/CC/14-15/122/SgTPP

Date: 06.11.2014

Tender Ref o.: SgTPP/WBDCL/EOI-ADV/PR/14-15/10230

Date: 30.10.2014

Expression of Interest

Sealed **Expression of Interest** are invited from principle designer, manufacturer & supplier with their credentials & supporting documents in two copies indicating the EOI No. on cover of the sealed envelope on or before 15/12/2014 within 15:00 hrs. at the office of DGM (M&C), SgTPP for development & supply of one spare generator **ROTOR** for 300MW capacity (Type : QFSN-300-2-20B) Turbo-generator of DEC, CHINA make.

Bidder sound have successful experience in design, manufacturing & commissioning of Turbo – Generatorof capacity 250MW & abovein supplying at least 2-Turbo-generators more than 2-years in successful operation in India, also the biddershould have annual turnover of at least 500MINR since last 3-years.

Last date of submission of EOI : 15.12.2014 at 15.00 hrs.

➤ **Opening of EOI : 15.12.2014 at 15.30 hrs.**

For Technical queries : Contact Mr. S. Sen, DGM (E/M), Mob. No. : 8336903956

Contact Person: Tuhin Kar, DGM(M&C), 03483-237023, sgtpssp@gmail.com

(S. K. Bandyopadhyay)
General Manager
Sg.T.P.P./W.B.P.D.C.L.

The West Bengal Power Development Corporation Limited
(A Govt. of West Bengal Enterprise)
SAGARDIGHI THERMAL POWER PROJECT
Po-Monigram, PS- Sagardighi, Dt- Murshidabad, West Bengal, PIN- 742237
Phone- 03483-237003, Fax- 737002

Request Inviting Expression of Interest for Design, Manufacture & supply of 300MW Generator Rotor for SgTPP

Notice No.: WBPDC/EOI-Adv/CC/14-15/122/SgTPP

Date: 06.11.2014

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Sagardighi Thermal Power Project, a power generating unit of The West Bengal Power Development Corporation Limited (WBPDC) invites EXPRESSION OF INTEREST (Eoi) from reputed designer & manufacturers of Turbo-generators for development & supply of spare generator rotor for its 300MW Generators, DEC, China make.

1. Outline of the scope of supply

- a. The successful bidder/ principal shall develop, design, manufacture, supply & commission the rotor in such a way that it is directly retrofitted to its existing service without any major modification of existing systems. The bidder/ principal shall adopt latest National/ International standards & state of the art engineering practices in all steps including shop tests. Any point of mechanical & electrical issues shall not be inferior to the existing rotor. The rotor shall be adequately shop tested & checked as per standards before actual supply. The design & manufacture should adequately take care of the existing operating conditions with sufficient margins.
- b. Basic specification of the existing rotor-
 - i. Rotor: Type-QFSN-300-2-20B, Rated output-300MW(353MVA), Rated field voltage- 455VDC, Rated field current- 2075ADC, Rated speed- 3000RPM, DC resistance of field winding- 0.162766 ohms at 15degC, Insulation- Class F (temp limit in B class), No of slots- 32
 - ii. Basic dimensions: 1120mm rotor OD, Rotor body length- 5100mm, Generator length- 12620mm, Journal dia- 450mm, rotor wt-52.8MT
 - iii. Excitation: Type- Static Thyristor excitation
 - iv. Cooling system: Mode- H2O-H2-H2, Rated H2 press- 0.30MPA (g).
- b. Fitment & commissioning-
 - i. The scope includes provision of complete engineering support during installation & commissioning
- c. Performance guarantee
 - i. The supplier shall provide adequate fitment & performance guarantee of successful operation for a reasonable period in terms of BG consistent with the order value

2. Qualifying Requirements (QR) :

The bidder/ principal should meet the minimum qualifying requirements as mentioned below:

- a) Successful experience in design, manufacture & commissioning of Turbo-Generator of capacity 250MW & above in supplying at least 2-turbogenerators more than 2-years in successful operation in India.
- b) Annual turnover of at least 500MINR since last 3-years.
- c) Compliance of statutory requirements
- d) Should not be black-listed by any Central / State Government / Public Sector Undertaking in India.
- e) Should have manufacturing facility in India

3. Outline of the Expression

The Expression of interest should be with at least following points –

- a. Qualifying requirements & other credentials
- b. Details of design, manufacture & test facilities available
- c. Statutory compliances
- d. Financial capabilities
- e. Outline of the development approach, technical specification & boundary conditions
- f. Estimated time for supply
- g. Fitment & performance guarantee provisions offered
- h. Site inspection, technical & other inputs needed
- i. Preferred payment terms
- j. Other terms & conditions if any
- k. Additional offers if any like on-line modern monitoring devices etc.

4. Tender Methodology

The tender methodology proposed to be adopted will be in two stages comprising of Expression of Interest (EOI) in the first stage. The second stage of tendering process will comprise of inviting techno-commercial bids by issuance of Request for Proposal (RFP).

Testimonials / Documents supporting fulfillment of the QR mentioned in above must be submitted with the EOI

5. Evaluation of EOI Responses

- a. The evaluation of EOI Responses and short listing shall be on the basis of documents submitted
- l. WBPDCCL reserves their right to evaluate the responses based on technical & financial merits in the process of short-listing and identification of the participants for further discussions.

Additional remarks:

The Expressions of Interest (EOI) is to be submitted in 2 (Two) Copies including one Original in a sealed envelope clearly marked as below:-

“EOI For 300MW Generator Rotor for SgTPP”

And **delivered not later than 15.00 Hours on 15.12.2014** to the address below:

The Dy. General Manager(M&C),
Sagardighi Thermal Power Project
PO- Monigram, PS- Sagardighi, Dt- Murshidabad
West Bengal
PIN- 742237

(S.K.Bandyopadhyay)
General Manager
SgTPP, WBPDCCL

Annexure-1

General Particulars to be provided by the Respondents

The Respondent should provide the following particulars along with relevant supporting documentation:

- a. Full Name of the organization
- b. Mailing address
- c. Telephone and fax number
- d. E-mail address
- e. Year of establishment and constitution of organization
- f. Description of business and business background
- g. Details of projects undertaken by the bidder
 - i. Organization name and nature of business
 - ii. The scope performed by the bidder