



# **SECTION - I**

## **INVITATION FOR BIDS (IFB)**



**DETAILED INVITATION FOR BIDS (IFB)**

**FOR**

**Renovation & Retrofitting work of ESP up-gradation at Bhilai PP-II (2X30MW+14MW)**

**(DOMESTIC COMPETITIVE BIDDING)**

**IFB No.: CC/C&M/C-497**

**Date: 19.12.2017**

**Bidding Document No: CC/C&M/C-497**

**1.0 NSPCL, Corporate Office**, invites online bids from eligible bidders on **two stage i.e. Stage-I (Techno-commercial) Bid and Stage-II (Price) Bid** for **Renovation & Retrofitting work of ESP up-gradation at Bhilai PP-II (2X30MW+14MW)** as per the scope of work briefly mentioned hereinafter.

**2.0 BRIEF SCOPE OF WORK**

The broad scope of work consists of the following:

- (a) Modification of existing ESP to achieve the targeted emission level 50 Mg/Nm<sup>3</sup> from the present operating emission level to meet pollution control norms through retrofitting / renovation with additional collection area:

**(Option – I: Renovation & Retrofitting of existing ESPs with rigid discharge frame work type design)** Renovate the existing BHEL make ESP passes to enhance the collecting area through redesign / re-engineering work like increasing its height, increasing the collecting electrode spacing, adding additional field in series (if required) in the available space and Install new additional ESP similar to the renovated ESP to achieve the targeted emission level.

OR

**(Option – II: Renovation & Retrofitting of existing ESPs in combination of rigid discharge frame work type ESP with Moving electrode plate type design ESP (MEEP))** Renovate the existing BHEL make ESP passes to enhance the collecting area through redesign / re-engineering work like increasing its height, increasing the collecting electrode spacing, adding additional field in series (if required) in the available space and converting last one / two fix field of existing ESP to MEEP field and Install new additional ESP similar to the renovated ESP consisting of fix field and MEEP field to achieve the targeted emission level.

- (b) In case of U#1 and U#3, existing Andrew Yule ESP pass shall be completely dismantled and new ESP pass shall be erected in place of it. In the case of Unit #2, new ESP pass shall be erected in the space available between U#1 and U#2 and existing Andrew Yule pass shall be completely dismantled.



- (c) All Civil works including foundation for new fields of existing ESP & new parallel ESP, Construction of new ESP SWGR room.
- (d) Supply, installation and commissioning of electrical system including two nos. (02) nos. 6.6kV/415V Dry type Transformers, associated power, control & instrumentation cables, switch gear and protection
- (e) Associated instrumentation work.
- (f) Replacement of internals of existing ESP and E&C of modified ESP and new ESP.
- (g) CFD and Physical modeling of New as well as modified ESP.
- (h) Supply of item/component as required.
- (i) Supply of Mandatory spares as detailed in technical specification.
- (j) Services like dismantling / repair / overhaul/retrofitting of various other components / systems / sub-systems as may be required, to ensure sustained, safe commercial operation, and to meet stipulated design / guarantee requirements and to meet the overall objectives of retrofitting of ESP.
- (k) The scope of work also includes erection of the total equipment, commissioning, gas distribution testing, trial operation, Performance guarantee testing etc.

**3.0** NSPCL intends to finance the subject package through Own Resources.

**4.0** Detailed specification, Scope of work and Terms & Conditions are given in the bidding documents, which are available for examination and download at the address given below and as per the following schedule:

IFB No.	<b>IFB No: CC/C&amp;M/C-497</b>	
IFB Date	<b>19.12.2017</b>	
Document Download Commencement Date & Time	<b>09.01.2018</b>	<b>10:00 Hrs (IST)</b>
Document Download Close Date & Time	<b>30.01.2018</b>	<b>1500 Hrs (IST)</b>
Last Date of Receipt of Clarification/ Modification/ Suggestion to Bidding Documents from the prospective bidders through email only	<b>08.02.2018</b>	
Date of clarification by NSPCL	<b>15.02.2018</b>	
Last Date and Time for receipt of Stage- I Bid (Techno-Commercial Bid)	<b>16.03.2018</b>	<b>1100 Hrs (IST)</b>
Date & Time of opening of Techno-Commercial Bid	<b>16.03.2018</b>	<b>1130 Hrs (IST).</b>
Date of submission of Stage- II Bid (Price Bid)	Shall be intimated separately by NSPCL	
Fee for Bidding Documents in INR	<b>Rs 7,875</b> (Rupees Seven Thousand Eight Hundred Seventy Five Only)	



- 5.0 All bids must be accompanied by Bid Security for an amount of **Rs 57,08,000/- ((Fifty Seven Lakh Eight Thousand Only))** in the form as stipulated in the Bidding Documents.

**ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND RETURNED TO THE BIDDER WITHOUT BEING OPENED.**

6.0 **Qualifying Requirements for Bidders:**

In addition to the requirements stipulated under section Instruction to bidder (ITB), the bidder should also meet the qualifying requirements stipulated hereunder in clauses 1.1 or 1.2 as the case may be and clause 2.0.

**1.0 TECHNICAL CRITERIA**

- 1.1 The bidder should have designed, supplied, erected / supervised erection and commissioned / supervised commissioning of ESP of the type offered (either rigid discharge framework Electrostatic Precipitator or Moving electrode plate type design ESP (MEEP) having design efficiency not less than 99% operating in conjunction with pulverized coal fired steam generating unit rated for a minimum of 30 MW unit size or minimum 150 T/hr steaming capacity, which is in successful operation in at least one (1) installation for a period not less than one (1) year prior to the date of Techno-Commercial bid opening.

**OR**

- 1.2 (a) The bidder shall be an organization who have executed / are executing Renovation and Modernization (R&M) or up gradation or retrofitting of ESPs for Pulverised coal fired steam generating units rated for a minimum of 30 MW unit size or minimum 150 T/hr steaming capacity and shall associate with an Electrostatic precipitator manufacturer who meets the requirements as per 1.0 above. Bidder shall however offer only the type of ESP for which his associate qualifies.
- (b) The bidder shall along with the bid furnish a deed of joint undertaking executed by him and the Electrostatic Precipitator manufacturer for the successful performance of Electrostatic Precipitator, as per the format enclosed in the bidding documents in which the Electrostatic Precipitator manufacturer and the bidder are jointly and severally liable to the Employer to perform all the contractual obligations including the technical guarantees for the complete Electrostatic Precipitator. The deed of joint undertaking shall be submitted along with the bid, failing which the bidder shall be disqualified and his bid shall be rejected. In case of award, the Electrostatic Precipitator manufacturer will be required to furnish on demand a bank guarantee for 2% of the total contract price of Electrostatic Precipitator package in addition to the contract performance security to be furnished by the bidder.

**2.0 FINANCIAL CRITERIA**

- 2.1 The average annual turnover of the Bidder, should not be less than **INR 158 Million (Indian Rupees One Hundred Fifty Eight Million only)** during the preceding three (3) completed financial years as on date of techno-commercial bid opening.

In case a Bidder does not satisfy the annual turnover criteria, stipulated above on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid- up share capital of the



Holding Company. In such an event, the Bidder would be required to furnish along with its Techno-Commercial Bid, a Letter of Undertaking from the Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.

- 2.2 Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (hundred percent) of bidder's paid-up share capital. In case the Bidder does not satisfy the Net Worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiaries of its Holding companies wherever applicable, the Net worth of the Bidder and its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of its Holding Company, in combined manner should not be less than 100% (hundred percent) of their total paid up share capital. However individually, their Net worth should not be less than 75% (seventy five percent) of their respective paid up share capitals.

Net worth in combined manner shall be calculated as follows:

Net worth (combined) =  $(X1+ X2+X3) / (Y1+Y2+Y3) \times 100$  where X1, X2,X3 are individual Net worth which should not be less than 75% of the respective paid up share capitals and Y1,Y2,Y3 are individual paid up share capitals.

- 2.3 In case the Bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on substantiation of its qualification:
- a) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
  - b) Certificate from the CEO/ CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statement of the Holding Company.

In case where audited results for the last financial year as on date of techno-commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case the Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of three consecutive financial years preceding the last financial year shall be considered for evaluating financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on techno commercial bid opening and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

**Notes for Clause 2.0:**

- a. Net worth means the sum total of the paid up share capital and free reserves. Free reserves means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
- ii. Other income shall not be considered for arriving at annual turnover.



- iii. “Holding Company” and “Subsidiary” shall have the meaning ascribed to them as per Companies Act of India.
- iv. For Turnover indicated in foreign currency, the exchange rate as on seven (7) days prior to the date of techno-commercial bid opening shall be used.

**7.0** NSPCL reserves the right to reject any or all bids or cancel/withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.

**8.0** A complete set of Bidding Documents may be downloaded by any interested Bidder after logging in NSPCL SRM Portal (<http://srmportal.nspclsrijan.co.in:50000/irj/portal>) after payment (non-refundable) of the fee of the bidding documents as mentioned above through NEFT/RTGS transfer only in the following NSPCL's Bank Account:

**A/c name : NTPC SAIL POWER COMPANY LIMITED**  
**A/c no : 201000330054**  
**Bank / Branch : INDUSIND BANK LTD, Barakhamba Branch, New Delhi**  
**IFSC code : INDB0000005**

For logging on to the NSPCL SRM Portal, the bidder would require SRM User ID and Password which can be obtained from NSPCL Corporate Office by raising request through email on [monika.godara@nspcl.co.in](mailto:monika.godara@nspcl.co.in) or [vidyathool@nspcl.co.in](mailto:vidyathool@nspcl.co.in) or [rpahirwar@nspcl.co.in](mailto:rpahirwar@nspcl.co.in) along with Registration Form duly filled up on Bidder's letter head and attaching required supporting documents. The Registration form is available on NSPCL website [www.nspcl.co.in](http://www.nspcl.co.in) under tab “NSPCL SRM PORTAL”.

**Note: No hard copy of Bidding Documents shall be issued.**

**8.1** Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified. Bids shall be submitted online. Bidder shall furnish Bid Security, Integrity Pact and Power of Attorney separately offline as detailed in Bidding Documents before the stipulated bid submission closing date and time at the address given below.

**9.0** Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.

**10.0 Address for communication/ Contacts:**

For the detailed IFB and bidding documents, please visit [www.nspcl.co.in](http://www.nspcl.co.in) or [www.ntpctender.com](http://www.ntpctender.com) or may contact AGM (C&M), NSPCL, 4th Floor, NBCC Tower, 15, Bhikaiji Cama Place, New Delhi-110066 on Telephone No.: 011-26717376/77 or through E-mail: [monika.godara@nspcl.co.in](mailto:monika.godara@nspcl.co.in) or [vidyathool@nspcl.co.in](mailto:vidyathool@nspcl.co.in) or [rpahirwar@nspcl.co.in](mailto:rpahirwar@nspcl.co.in). Bidding documents can only be downloaded from NSPCL SRM web portal <http://srmportal.nspclsrijan.co.in:50000/irj/portal> after getting login ID and password from NSPCL and after payment of fee for the same. All further Corrigendum/ Modification/ Updates for this IFB will only be published on [www.nspcl.co.in](http://www.nspcl.co.in) and <http://srmportal.nspclsrijan.co.in:50000/irj/portal>. Bidders are requested to visit these websites frequently to update themselves.

**CIN: U74899DL1999PLC098274, Website: www.nspcl.co.in**

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