

# **BOKARO POWER SUPPLY COMPANY (P) LTD.**

**(A Joint Venture of SAIL & DVC)**

**Hall No. – M 01, Old Administrative Building**

**ISPAT Bhawan, Bokaro Steel City – 827001.**

**Registered Office: ISPAT Bhawan, Lodhi Road, New Delhi – 110003**

**CIN: U40300DL2001PTC112074**

## **Invitation for Expression of Interest for**

**“Infrastructure development for collection of Dry Fly Ash from three pulverized coal fired boilers and utilization of Fly Ash through operating the system on BOOT mode”**

EOI Reference No.: BPSCL/MM/24-25/EOI-001 dated 03/08/2024

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**Section-I**

**Invitation for Expression of Interest**

Bokaro Power Supply Company (P) Ltd. (BPSCL), A Joint Venture Company of Steel Authority of India Ltd. (SAIL) and Damodar Valley Corporation (DVC), situated in Bokaro Steel City, Jharkhand, intends to develop a Dry Fly Ash Collection system in its three CPP Boilers (coal fired) (Boilers # 6, 7 & 8) and to utilize / dispose off the Dry Fly Ash collected in ESPs of Boilers # 6, 7 & 8 through Silo collection and disposal system on Build, Own, Operate & Transfer (BOOT) basis.

In this regard, BPSCL invites Expression of Interest to discover interested parties for the subject work, to find out the most suited technical specifications, estimated price implication etc.

1. A complete set of EOI Documents may be downloaded by the interested applicants from our web portal [www.bpscl.com](http://www.bpscl.com) or e-tendering site (<https://etenders.gov.in/eprocure/app>).
2. Applicant shall not tamper / modify the EOI document/form in any manner. In case the same is found to be tampered/modified in any manner, application will be rejected.
3. Applicants are advised to visit BPSCL Website [www.bpscl.com/](http://www.bpscl.com/) CPPP website <https://etenders.gov.in/eprocure/app> regularly till closing date of submission of EOI for any corrigendum / addendum/ amendment.
4. BPSCL reserves the right to accept or reject any or all applications, cancel/ withdraw the EOI process without assigning any reason whatsoever and in such case, applicant shall not have any claim against BPSCL arising out of such action. BPSCL bears no responsibility or liability of any kind in reference to the EOI.
5. Valid Digital Signature Certificate (DSC of Class 2 or, Class 3 category) is mandatory to participate in the EOI under CPP Portal (URL: <https://etenders.gov.in/eprocure/app>). The certificate may be obtained from any of the authorized agencies of CCA (Controller of Certifying Authorities)] on Applicant's own cost.
6. This EOI is non-committal.

**For and on behalf of  
Bokaro Power Supply Company (P) Limited**

**(A K Das)  
CGM (MM)**

## Section-II

### 1. Introduction:

1.1. Bokaro Power Supply Company (P) Ltd. (BPSCL) is a 50:50 Joint Venture of Steel Authority of India Ltd. (SAIL) and Damodar Valley Corporation (DVC) and owns and operates the Captive Power Plant of Bokaro Steel Plant. The Power Plant of BPSCL comprises of nine HP Boilers and seven Turbo-generators, details of which are provided hereunder:

#### 1.1.1. Details of Boilers:

- I. **Boiler # 1 to 5**, which are collectively called the **TPP Boilers**, are each of capacity 220 TPH with superheated steam parameters of 100 ata & 540°C. These boilers are multifuel fired boilers which use combination of Blast Furnace Gas, Coke Oven Gas and Pulverized Coal as primary fuel.
- II. **Boiler # 6 to 8**, which are collectively called the **CPP Boilers**, are each of capacity 260 TPH with superheated steam parameters of 100 ata and 540°C. These boilers are Pulverized Coal fired boilers.
- III. **Boiler # 9** is of capacity 300 TPH with superheated steam parameters of 100 ata and 540°C. This is a multifuel fired boiler which uses combination of Blast Furnace Gas, LD Gas and Pulverized Coal as fuel.

**Note:** BPSCL receives Blast Furnace Gas, Coke Oven Gas and LD Gas from the Bokaro Steel Plant.

#### 1.1.2. Details of Turbo-generators (TGs):

- I. TG # 1, 2 & 3 are collectively called the TPP TGs.
  - a) TG # 1 is a 12 MW Back Pressure Turbo Generator with steam exhaust at 39 ata pressure.
  - b) TG # 2 & 3 are Condensing type TGs, each having capacity of 55 MW.
- II. TG # 6, 7 & 8 are collectively called the CPP TGs. These are condensing type TGs, each having capacity of 60 MW.
- III. TG # 9 is a 36 MW Back Pressure Turbo Generator having provision of extraction of steam at 39 ata and exhaust at 8-12 ata.

### 1.2. Details of existing Ash Collection / Evacuation Systems of Boilers # 6, 7 & 8:

- 1.2.1. The ESPs of Boilers # 6, 7 & 8 comprise of two passes, with five fields in each pass. Each field is provided with one Fly Ash Hopper.
- 1.2.2. All the Fly Ash Hoppers are equipped with Hydro-ejectors which draw ash from the hoppers and transport the same, in slurry form, to the Dredge Pump House (DPH). In the DPH, water is added to the slurry received from ESPs and the same is pumped to the Ash Ponds.
- 1.2.3. A few years back, provision of pneumatic evacuation of Fly Ash from the first two fields in each pass of ESPs of Boilers # 6 & 7 had been made. This included installation of separate ash conveying lines, Air Compressors, PLC based Control System, construction of a 150 T capacity RCC Silo (common for both Boilers), etc. The system was commissioned and was working satisfactorily, but could not be operated due to unavailability of Dry Fly Ash buyers.

### 2. Intent of the EOI:

- 2.1. BPSCL intends to develop a Dry Fly Ash Collection system in its three CPP Boilers (Boilers # 6, 7 & 8) and to utilize / dispose off the Dry Fly Ash collected in ESPs of Boilers # 6, 7 & 8 through Silo collection and disposal system on Build, Own, Operate & Transfer (BOOT) basis.

### 3. Scope:

#### 3.1. Refurbishment of existing pneumatic Fly Ash Conveying systems of Boiler # 6 & 7:

- 3.1.1. Condition assessment of existing pneumatic Dry Fly Ash Conveying systems installed in first two fields of each pass of ESPs of Boiler # 6 & 7, including Fly Ash Conveying Vessels, Fluidizing arrangements, compressed air system, piping, valves and all other auxiliaries.

- 3.1.2. Supply of all materials required for refurbishment of the existing Pneumatic Fly Ash Conveying systems of Boiler # 6 & 7 so as to make the systems operable.
- 3.1.3. Refurbishment of the existing Pneumatic Fly Ash Conveying systems of Boiler # 6 & 7 for making them operable.
- 3.1.4. Testing and subsequent commissioning of the refurbished Pneumatic Fly Ash Conveying systems of Boiler # 6 & 7.
- 3.2. **Installation of Pneumatic Fly Ash Conveying system in 3<sup>rd</sup>, 4<sup>th</sup> & 5<sup>th</sup> fields of ESPs of Boiler # 6 & 7 and all fields of ESP of Boiler # 8:**
- 3.2.1. Design, engineering, supply, erection, testing and commissioning of similar / better pneumatic Dry Fly Ash Conveying system in the 3<sup>rd</sup>, 4<sup>th</sup> & 5<sup>th</sup> fields of both passes of ESPs of Boiler # 6 & 7 and all fields of ESP of Boiler # 8. For meeting the compressed air requirement for the same, the Agency may either consider the compressed air system installed for Boiler # 6 & 7 or may consider additional Compressors, Air Receivers and associated systems.
- 3.2.2. One 150 MT capacity Ash Storage Silo had been constructed & commissioned along with the pneumatic Dry Fly Ash Conveying systems of Boiler # 6 & 7 (first two fields), as described earlier. The Agency may consider including this Silo in its scheme for Dry Fly Ash Evacuation, along with construction of new Silos, if required and subject to availability of space. Alternatively, the Agency may also consider dismantling the existing Silo and construction of new Silos, as required and subject to availability of space. Refurbishment of the old Silo / dismantling of the old Silo and construction of new Silos shall be in the scope of the Agency.
- 3.2.3. The Silos, refurbished or constructed, shall have provision for unloading of Dry Fly Ash in Bulklers, Hyvas, Trucks, etc. If felt necessary, the Agency may also construct Fly Ash Bagging facilities or any other system required for effective and optimum disposal of Dry Fly Ash.
- 3.2.4. Cleaning of area, area development activities, etc. for making land suitable for construction of Silos and installation of other facilities shall be in the scope of the Agency. Construction of approach roads to Silos and other facilities shall be in the scope of the Agency.
- 3.2.5. The existing facilities of evacuation of ash from ESP Hoppers by use of Hydro-ejectors shall be retained for use in case of insufficient evacuation of DFA.
- 3.2.6. The evacuation of ash from ESP hoppers shall be PLC controlled so as to achieve complete evacuation of ash from each hopper.
- 3.3. The Agency shall have to prepare a Detailed Project Report for the scope mentioned under Points 3.1 & 3.2 above, at his own cost, and submit the same to BPSCL for review & comments. The report shall comprise of the following:
- I. Detailed description of the activities proposed to be undertaken
  - II. Spares requirement and preferred makes thereof
  - III. Technical Specifications of spares, Piping, Air Compressors, Silo, etc. and all associated equipment
  - IV. General Layout, indicating the land requirement for the construction activities, and other necessary drawings
  - V. Detailed timeline and tentative cost estimate for supply, erection, testing & commissioning activities
- 3.4. **Operation & Maintenance of DFA Evacuation Systems of Boiler # 6, 7 & 8 in BOOT mode:**
- 3.4.1. The Agency shall operate and maintain the Ash Handling Systems of Boiler # 6, 7 & 8 in BOOT mode for a period of 5 (five) years from the date of commissioning of the systems after refurbishment / installation.
- 3.4.2. The Agency shall promote sale of ash in the market by way of marketing and shall endeavor to maximize ash utilization.
- 3.4.3. The Agency may either collect and transport the ash for their own use or provide the ash to any third party. However, any such disposal shall require prior approval from the Engineer In-charge from BPSCL.
- 3.4.4. If ash is required to be transported through rail by the Agency/ by any firm which the Agency intends to provide ash to, arrangement of rake, payment of rake hiring charges and any other associated charges shall have to be borne by the Agency/ its selected vendor, as the case may be. Any demurrage imposed by the

railways shall have to be borne by the Agency/ its selected vendor. BPSCL shall remain indemnified of any such demurrages / penalties. BPSCL shall, however, allow use of its railway tracks, ash bag loading siding, etc., as per availability and without any additional cost. The Agency/ its selected vendor shall have to arrange their own manpower for bagging of ash, transportation thereof to the said siding and loading of the bags on to railway rakes.

- 3.4.5. The Agency shall have to submit a tentative monthly program for ash disposal in the last week of the preceding month.
- 3.4.6. The Agency's scope for operation & maintenance shall start from the ESP Fly Ash Hoppers. Operation & maintenance of the ESP Hoppers, Compressor system, associated piping, silos & associated equipment, etc., including supply of spares for the same, shall be in the scope of the Agency .
- 3.4.7. Further, system for ash evacuation in wet form, i.e., in slurry form, in case of any breakdown / maintenance of the pneumatic system, shall also have to be operated & maintained by the Agency .
- 3.4.8. The water required for the purpose and other activities (drinking water, water for lavatory facilities, water required in cooling of various equipment, area cleaning, etc.) shall be provided by BPSCL free of cost. However, the Agency shall endeavor to utilize water judiciously and avoid any wastage thereof.
- 3.4.9. Electricity required in refurbishment & construction activities and, subsequently, for operation & maintenance of the systems shall be provided by BPSCL free of cost. However, the Agency shall endeavor to utilize electricity judiciously and avoid any misuse thereof.
- 3.4.10. Operation & maintenance of all equipment, piping, instruments, electrics, etc. within the Battery Limit, as defined herein, shall be in the scope of the Agency.

#### **4. Battery Limits:**

##### **4.1. Refurbishment and construction activities:**

- 4.1.1. For the refurbishment & construction activities to be undertaken, the battery limit of the Agency shall start from the inlet of each Fly Ash Hopper of ESP of each Boiler and will extend up to the Dry Fly Ash Silos and any unloading / disposal / bagging facilities to be constructed by the Agency .

##### **4.2. Operation & maintenance of the Dry Fly Ash collection & disposal system in BOOT mode:**

- 4.2.1. For the operation & maintenance part of the Dry Fly Ash collection & disposal system to be undertaken, the battery limit of the Agency shall start from the inlet of each Fly Ash Hopper of ESP of each Boiler and will extend up to the Dry Fly Ash Silos and any unloading / disposal / bagging facilities constructed by the Agency.
- 4.2.2. In case of disposal of any Fly Ash in slurry form, the battery limit of the Agency shall start from the inlet of each Fly Ash Hopper of ESP of each Boiler and will extend up to the outlet of hydro-ejectors.

#### **5. Approximate quantities of yearly Fly Ash generation and minimum guarantee:**

- 5.1. Each of the Boilers # 6, 7 & 8 consumes approximately 1,000 MT of coal per day. The average Ash content of coal received in BPSCL is about 45%.
- 5.2. Considering the above and considering the fact that 80% of total ash generated is collected in ESPs in dry form, the yearly Dry Fly Ash generation, with all the three boilers running in tandem, will be about **3,94,000 MT**.
- 5.3. However, considering shutdown of / breakdown in these boilers due to various internal / external factors, the minimum guaranteed Fly Ash quantity on yearly basis shall be **2,50,000 MT**. Agency shall consider this quantity of Fly Ash for working out the techno-economics of the project.

#### **6. Timeline:**

- 6.1. The date of issuance of Letter of Intent (LOI) or the date of signing of Contract Agreement for the refurbishment & construction activities, whichever is earlier, shall be considered as the Zero Date.

- 6.2. The refurbishment & construction activities, as envisaged in the scope of work, including testing & commissioning, shall be completed within 8 (eight) months from the Zero Date.
- 6.3. The Operation & Maintenance of the system in BOOT mode, as envisaged in the scope of work, shall commence immediately after successful commissioning of the project and will continue for a period of five years thereafter.

**7. Terms & conditions:**

**7.1. Engagement of sub-contractor:**

- 7.1.1. The Agency may engage one or more sub-contractors for execution of the work (both in construction phase and in O&M phase) with due approval of BPSCL. For seeking such approval, the Agency shall have to submit a request letter mentioning the portion of the work it desires to sub-let to the said sub-contractor, approximate value of such work, duration for which the work shall be sub-let, along with credentials of the proposed sub-contractor for establishing its competence in performing the kind of work that is proposed to be sub-let.
- 7.1.2. The Agency shall, however, under no circumstances, be allowed to sub-let the entire work under its scope.
- 7.2. The Agency shall be responsible for arranging necessary Gate Passes / permissions for his workmen / personnel, equipment and also for those of the firms to which the ash will be provided. BPSCL will only assist in such requests by way of recommending the same to the appropriate authorities / sections.
- 7.3. The Power Plant of BPSCL is situated inside the premises of Bokaro Steel Plant. As such, all formalities pertaining to entry & exit of vehicles inside the plant premises, as laid down by Bokaro Steel Plant, shall have to be followed by the Agency. All vehicles to be deployed in transportation of Fly Ash shall enter and exit the Bokaro Steel Plant premises through Gate no. 10 (Duggal Gate), which is located at a distance of about 2.5 kms from the Power Plant of BPSCL.
- 7.4. The Agency shall ensure transportation of ash, whether by itself or by other firms, in a no nuisance environment friendly manner and as per the guidelines of the MoEF&CC. Any penalty imposed upon BPSCL due to non-compliance of the same shall be recovered from the Agency, along with applicable GST. In case of repetitive failure in complying with guidelines laid down by MoEF&CC, the Contract may be terminated by BPSCL.
- 7.5. Weighment of ash to be transported through road mode shall be done in BPSCL's Weighbridge. In case, the said Weighbridge is under shutdown, weighment shall be done in Weighbridge of Bokaro Steel Plant. In case of transportation through rail, RR weight will be considered.
- 7.6. The Agency shall endeavor to achieve 100% evacuation / utilization of DFA generated in Boiler # 6, 7 & 8. The quantity of DFA generated and the quantity disposed off shall be reconciled on monthly basis.
- 7.7. The Agency shall not charge to BPSCL any capital cost towards the refurbishment and construction activities undertaken as per Clause 3.1 & 3.2 above. However, the assets constructed by the firm shall be their property till the expiry of the Contract, subsequent to which, all assets shall be transferred by the firm to BPSCL.
- 7.8. BPSCL shall provide the land for construction of silo & associated facilities, as per availability. The ownership of the land shall, however, remain with BPSCL.
- 7.9. The Agency shall have to follow all statutory rules & regulations related to Labour Laws, Factory Act, Pollution Norms, etc. prevalent / effective at the area of work.

**Section-III****1. Instruction to Applicants:**

- 1.1. Interested applicant shall visit the BPSCL Power Plant for assessment of existing systems (ESPs, Pneumatic Fly Ash Conveying systems, Silo, etc.), availability of land for installation of new facilities, logistics involved in transportation of the evacuated Fly Ash, technical discussions with BPSCL officials, etc., before preparing their offer. Accordingly, they shall have to submit a request to BPSCL mentioning details, such as proposed date of visit, details of persons visiting, etc., for arrangement of Gate Passes.
- 1.2. The applicant may participate as a Consortium of not more than two firms. However, if the applicant participates as a consortium, none of the consortium members shall be eligible for participating individually. In case the consortium and any one or more of the consortium members participate in the EOI, all the response/applications, submitted by the consortium and the consortium members individually, will be rejected. Further, any one or more of the consortium members participating in this EOI shall not form consortium with any other firm for the purpose of participating in this EOI.
- 1.3. **Mode of operation of this EOI:**
- 1.3.1. This document is being issued only to elicit an Expression of Interest from interested parties for the specified work and shall not constitute any binding commitment from BPSCL to proceed with the work.
- 1.3.2. The purpose of issuing this EOI is to discover interested parties for the subject work, to discover the estimated price implication, to understand & find out the most suited technical specifications, etc.
- 1.3.3. The offer/response/application received from the interested firms shall be opened on the due date and scrutinized w.r.t the Eligibility Criteria set out in this EOI. The offers to be submitted by the interested bidders shall comprise of the following:
- I. Proprietorship Certificate / Partnership Deed / Certificate of Incorporation / Memorandum of Association & Articles of Association
  - II. A brief write-up including introduction of the firm, nature of business of the firm, etc.
  - III. Copies of PAN, GST Registration Certificate, Certificate of registration with EPFO, Certificate of Registration with ESI.
  - IV. Balance Sheet and Profit & Loss Account for the last three financial years prior to the one in which this EOI has been published.
  - V. Credentials for establishing eligibility as per Eligibility Criteria / Qualifying Requirements stipulated in this EOI.
  - VI. Technical proposal, describing the refurbishment & construction activities proposed to be undertaken, operation & maintenance of the Dry Fly Ash Handling & Disposal system post commissioning, preferred makes of spares / equipment to be used, tentative timeline for refurbishment & construction activities, plan for achieving 100% Dry Fly Ash Disposal.
  - VII. General Layout, indicating the land requirement for the construction activities, and other necessary drawings.
  - VIII. Estimated expenditure anticipated in refurbishment & construction activities and operation & maintenance of the system in BOOT mode for a period of 05 (five) years.
  - IX. Estimated unit rate per MT of Dry Fly Ash that the bidder proposes to reimburse to BPSCL.
  - X. If the bidder is a Consortium, a Consortium Agreement, entered into between all the Consortium members, outlining the responsibility of each Consortium member, shall be submitted. Further, documents mentioned at Point 1.3.3 (I) through 1.3.3 (IV), in respect of each Consortium member, shall be submitted.
  - XI. Authorization & undertaking as per attached format
  - XII. Any deviations from the terms & conditions of this EOI and any additional scope, terms & conditions, etc. desired by the applicants for consideration by BPSCL.
- 1.3.4. The applicants, whose applications are selected based on the Eligibility Criteria, shall be invited to attend a meeting in the Administrative Office of BPSCL at Bokaro Steel City. Such applicants shall have to put up a detailed presentation for the system being proposed by them. The presentation shall cover the following:
- I. Brief introduction about the participating firm / consortium, including past experience in execution of similar work, nature of business, etc.
  - II. Presentation on technical proposal, describing the refurbishment & construction activities proposed to be undertaken, operation & maintenance of the Dry Fly Ash Handling & Disposal system post commissioning, etc.
  - III. Estimated expenditure anticipated in refurbishment & construction activities, operation & maintenance of the system in BOOT mode for a period of 05 (five) years.



- IV. Tentative timeline for refurbishment & construction activities.
- V. Plan for achieving 100% Dry Fly Ash Disposal.
- VI. Techno-economics of the project, including year-wise anticipated return on investment, payback period of investment, estimated per MT cost reimbursable to BPSCL, etc.
- VII. Any additions / deletions in scope, terms & conditions, etc. desired by the bidder for consideration by BPSCL.

1.3.5. Based on the information gathered through this EOI, BPSCL shall frame the technical specifications, scope, terms & conditions, cost estimate, etc. for the subject work and invite tenders for the same through issuing an Open Tender Enquiry. This EOI shall, in no way, be construed as a commitment from BPSCL to tender out the proposal only among the bidders selected against this EOI.

## 2. Other information / instructions:

2.1. Language of the responses to EOI or any query/ clarifications/ correspondences shall be in English only.

2.2. Financial Data, Project Costs shall be in INR only.

2.3. For any further clarification / queries the following persons may be contacted:

1. **Shri A.K. Das, CGM (Material Management):** [a.k.das@bpscl.com](mailto:a.k.das@bpscl.com)
2. **Shri Arun K Behera, DGM (Material Management):** [a.k.behera@bpscl.com](mailto:a.k.behera@bpscl.com)
3. **Shri Rajeev Sharma, DGM (Ash Management):** [r.sharma@bpscl.com](mailto:r.sharma@bpscl.com)

## 2.4. PRE-OFFER/BID MEETING:

2.4.1. Pre-offer meeting is called by BPSCL to explain briefly about the scope of the EOI document and to get the views of the prospective applicants, as part of ensuring transparency in the EOI process.

2.4.2. It is an opportunity for the prospective applicants to get explanation to any ambiguous condition that may be present in the EOI document.

2.4.3. Failure to attend the pre-offer meeting will not amount to disqualification, but will be a loss of opportunity for the prospective applicants to get clarity on the EOI conditions, if any.

2.4.4. Applicants are requested to inform their queries at least two days before the scheduled pre-offer meeting.

2.4.5. Application shall be submitted only after pre-offer/bid meeting.

## 2.5. CORRIGENDUM:

2.5.1. At any time before End Date of submission of EOI, BPSCL may, for any reason whatsoever, carry out amendments to this EOI document at its own initiative or in response to a clarification requested by an Applicant. The amendment will be made available in CPPP portal only and will be binding on the Applicants. BPSCL may, at its discretion, extend the deadline for the submission of proposal.

## 2.6. VALIDITY OF THE RESPONSES:

2.6.1. The applicant shall submit the responses which shall remain valid up to 180 days after the response Deadline ("Response Validity"). BPSCL reserve the right to reject any response, which does not meet the aforementioned validity requirement. BPSCL may solicit the applicant's consent for an extension of the period of validity of the response. The request and the response in this regard shall be in writing. In the event any Applicant refuses to extend its response validity as requested by BPSCL, BPSCL shall terminate processing of such applicant's responses. An Applicant accepting BPSCL request for validity extension shall not be permitted to modify its response.

## 2.7. HOW TO APPLY:

2.7.1. Interested participants are requested to upload their documents in CPPP portal (<https://etenders.gov.in/eprocure/app>) and all further correspondences after submission of their application on the referred portal need to be done in the referred portal only.

**3. Eligibility Criteria / Qualifying Requirement:**

**3.1. Technical Eligibility Criteria:**

3.1.1. Applicant should have experience of having completed "Similar Work" in India in any Public Sector Undertaking / Government / Semi Government organization or joint venture thereof / Company registered under Companies Act during last 7 years ending last day of month previous to the one in which EOI is invited. "Similar Work" mentioned hereinabove is defined as follows:

I. Design, Manufacture, Supply, Erection, Testing & Commissioning of Pneumatic Ash Evacuation & Conveying system having capacity not less than 2.5 Lakh MTPA

OR

Renovation & modernization of Pneumatic Ash Evacuation & Conveying system having capacity not less than 2.5 Lakh MTPA

OR

Refurbishment of Pneumatic Ash Evacuation & Conveying system having capacity not less than 2.5 Lakh MTPA

AND

II. Collection, evacuation and transportation (by road or rail) of Dry Fly Ash through operation of Pneumatic Ash Evacuation & Conveying system, having capacity not less than 2.5 lakh MTPA, in BOOT mode, with total yearly quantity of Fly Ash collected, evacuated & transported being not less than 2.5 lakh MT.

3.1.2. For establishing its eligibility as per the Eligibility Criteria mentioned above, the applicant shall have to submit Work Orders / Purchase Orders / Contract Agreement documents, along with Work Completion Certificates issued by the order issuing authority, against both Points 3.1.1 (I) and 3.1.1 (II) above. The applicant may submit separate Work Orders / Purchase Orders / Contract Agreement documents, along with Work Completion Certificates issued by the order issuing authority, against each of the Points 3.1.1 (I) and 3.1.1 (II).

3.1.3. However, in case any applicant submits a Work Order / Purchase Order / Contract Agreement for establishing its eligibility as per Point 3.1.1 (II) above, against which, work has not been completed in totality / work execution is in progress, the applicant shall have to submit a Performance Certificate, issued by the order issuing authority, confirming that the system is being operated by the applicant in BOOT mode successfully for a period not less than 2 (two) years and that the Fly Ash collected, evacuated & transported by the applicant in each year is not less than 2.5 lakh MT.

3.1.4. If the applicant participates as a Consortium, a Consortium Agreement, entered into between all the Consortium members, outlining the responsibility of each Consortium member, shall be submitted.

3.1.5. If the applicant participates as a Consortium, the Consortium members shall either individually or jointly fulfill the Eligibility Criteria mentioned at Points 3.1.1 (I) and 3.1.1 (II) above.

**Annexure-I**

**Format for Undertaking**

(The undertaking should be on the Letter Head of the Applicant)

Date:  
Place:

To,

.....

Sub.: EXPRESSION OF INTEREST (EOI) FOR "Infrastructure development for collection of Dry Fly Ash from three pulverized coal fired boilers and utilization of Fly Ash through operating the system on BOOT mode" AT BPSCL.

Ref.: EOI No. .... dated .....

Dear Sir,

1. We, the undersigned ..... [insert name of the "Applicant"] have read, examined and understood in detail the INVITATION FOR EXPRESSION OF INTEREST. We confirm that neither we nor any of our Parent Company/Affiliate/ Ultimate Parent Company has submitted response other than this response directly or indirectly in response to the aforesaid EOI.
2. We give our unconditional acceptance to the EOI, issued by BPSCL, as amended. In token of our acceptance to the EOI, the same have been signed & stamped by us and enclosed to the response. We hereby confirm that the provisions of the EOI shall be binding on us.
3. We have submitted our response strictly as per provisions of the EOI.
4. All document(s) submitted / information provided by us against referred EOI are authentic, genuine and true. No part of the document(s) / information is false, forged or fabricated.
5. I undertake to produce all documents in original for verification as and when asked for the same by BPSCL.

Yours sincerely

(Name, Designation and Signature of Authorized Person in whose name authorization is issued)

**Annexure-II**

**Format for Authorization**

(The undertaking should be on the Letter Head of the Applicant)

**TO WHOM IT MAY CONCERN**

This is to certify that {Name of DSC Holder} of M/s {Name of Participating Firm/Company} has the authority to sign the response/ offer using his digital signature and any document(s) in hardcopy pertaining to BPSCL EOI No. .... dated ..... using his official usual signature and the bid/offer/response shall be binding upon us during the full period of its validity.

Signature of {Name of DSC Holder} is duly attested hereunder.

Thanking you

Yours faithfully

.....  
Signature of the Competent Authority of the Company with seal

**Signature of** {Name of DSC Holder} of M/s {Name of Participating Firm/Company}

**Attested by** {Name of Competent Authority}

**Stamp**

\*DSC- Digital Signature Certificate

**Annexure-III**

**Project Cost**

The applicant shall submit Project Costs under the following two heads with detailed breakup thereof:

1. Estimated expenditure anticipated in refurbishment & construction activities and operation & maintenance of the system in BOOT mode for a period of 05 (five) years.
2. Estimated unit rate per MT of Dry Fly Ash that the bidder proposes to reimburse to BPSCL.