

INVITATION FOR EXPRESSION OF INTEREST (EOI)



**ODISHA POWER GENERATION CORPORATION LIMITED
IB THERMAL POWER STATION
AT/ PO- BANAHARPALI, JHARSUGUDA
ODISHA**



**OPGC invites
“Expression of Interest (EOI)”
For
Transportation of ash by road mode in environment friendly
manner as per FARC, CPCB & OSPCB guidelines.**

EOI. No. : ITPS/CC-22/2023-24/11, SL No. 01 Date : 17/09/2023

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EXPRESSION OF INTEREST (EOI)

EXPRESSION OF INTEREST (EOI) FOR TRANSPORTATION OF ASH (FLY ASH & POND ASH) BY ROAD MODE FROM OPGC, IB THERMAL POWER STATION AT BANHARPALI, JHARSUGUDA, ODISHA TO DESIGNATED LOW LYING AREA/QUARRIES/NHAI & STATE HIGHWAY PROJECTS/VARIOUS INFRASTRUCTURE PROJECTS

1.0 Introduction

Odisha Power Generation Corporation Limited (OPGC), operates two units of 210 MW and two units of 660 MW at IB Thermal Power Station (ITPS), Banharpali. Approximately 3200 MT of ash is generated on a daily average basis from unit 1 & 2 (2x210 MW), and approximately 6000 MT of ash is generated on a daily average basis from unit 3 & 4 (2 X 660 MW) at ITPS. Coal ash produced in the plant is disposed in slurry form in the ash pond. ITPS has both wet ash disposal system as well as dry-ash disposal system for handling fly ash & bottom ash.

2.0 Expression of Interest:

OPGC invites "Expression of Interest (EOI)" from interested parties for Transportation of ash by road mode from ash pond as well as from dry ash silo; at ITPS, Banharpali, to designated low lying area/quarries/NHAI & state highway projects/Various Infrastructure Projects, for Utilization of ash in environment friendly manner as per FARC, CPCB & OSPCB guidelines. Interested parties may clearly indicate the inputs required from OPGC.

3.0 Purpose of this EOI:

Through this EOI, OPGC intends to transport ash generated from its power stations; to designated low lying area, and quarries by road mode for utilization of ash in environment friendly manner as per FARC, CPCB & OSPCB the guidelines.

The Interested Parties shortlisted on the basis of their "Expression of Interest (EOI)" will be considered for transportation of fly ash by road mode from ITPS Banharpali, to designated Low Lying Area/quarries/NHAI & State Highway Projects/Various Infrastructure Projects.

4.0 Role of the Interested Parties:

- 4.1 Interested party shall submit their preliminary offers for transportation ash by road mode from the dry ash Silo for any of the units or from ash pond or ash from all these sources. The offers should include the particulars of company with the background of operation & business.
- 4.2 Interested party shall sign a long-term agreement with OPGC for transportation Ash in environment friendly manner as per FARC, CPCB & OSPCB the guidelines.
- 4.3 Loading of dry fly ash will be made available by OPGC as is and where is basis; from the Silo inside plant at ITPS, Banharpali.

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- 4.4 Similarly, Pond ash will be made available by OPGC, as is and where is basis at Ash Pond. Interested agencies will have to arrange for loading and transportation of ash from ash pond.
- 4.5 Mode of loading & transportation must be clearly mentioned by the interested agencies.
- 4.6 If ash is transported to abandoned quarries/ Low Lying areas, then beside loading and transportation, the following scope will be added in the contract:
 - a) Area preparation & providing Impermeable lining of clay/bentonite/clay ash mixture so as to reduce the permeability to (less than) $<10^{-7}$ cm/sec.
 - b) Watering and compaction of Ash as per FARC guideline.
 - c) Capping of the ash filled area by soil (360 mm)
- 4.7 All trucks to be properly covered with tarpaulin during ash transportation.
- 4.8 All activity to be completed with adherence to FARC, CPCB & OSPB guidelines for ash transportation.
- 4.9 Interested parties may clearly indicate the inputs required from OPGC.
- 4.10 All the works of ash loading, and transportation must be executed confirming to the EHS rules and regulations of OPGC.
- 4.11 All liaisoning activities with Govt offices, Statutory bodies & local villagers will be in the scope of transporter.

5.0 Required Information:

- 5.1 The prospective transporters are required to submit particulars of the firm with the background of operation & business.
- 5.2 The party submitting the EOI shall be bearing all costs associated with the preparation and submission of the EOI and OPGC will, in no case be responsible or liable for these costs, regardless of the conductor outcome of the assessment/evaluation process.

6.0 Bid Document & Instruction to Bidders:

The bid complete in all respect must be submitted in sealed envelope super scribed with EOI number, Name of the work. The bid documents are not transferable.

The bidder must submit the following documents:

- i. Signed & Stamped Bid Documents (all pages) as a token of acceptance.
- ii. Photo copies of GST Registration Certificate, IT PAN, Provident Fund and ESI Registration Certificate.

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- iii. Filled in and signed formats as specified in Annexure – I, II & III.
- iv. Credentials and other supporting documents as per requirement
- v. Annexure-IV (Price Bid Format)

NOTE : PRICE BID FORMAT IS FOR REFERENCE ONLY. HENCE, PRICE IS NOT TO BE QUOTED

7.0 Submission of EOI:

Interested parties are required to submit all the documents as per the attached format complete in all respect through courier, registered post or hand delivered to the following address. On or before 15:00 Hrs. Date: 05/10/23.

GM- Contract Cell

ITPS, Banharpali, OPGC,
District- Jharsuguda,
Odisha,
Pin- 768234

NOTE:

- i. Each page of the documents submitted shall be duly authenticated by the applicant.
- ii. The language of submission of applications shall be in English.

For any further clarification/queries the following personnel may be contacted:

- For Commercial queries:
Sri Sanjit Mohanty; G.M. (Contract Cell);
E-Mail Id. sanjit.mohanty@opgc.co.in
Mob no : +91- 9437347215
- For Technical queries:
Sri Rahul Ojha Sr. Manager (Mines);
E-Mail Id. rahul.ojha@opgc.co.in
Mob no : +91- 9078010043
- For Statutory compliance queries:
Sri Parthasarathi Panda, Manager (Environment);
E-Mail Id. parthasarathi.panda@opgc.co.in
Mob no : +91- 7682854512

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ANNEXURE-I

Standard Format for Expression of Interest

Date: _____

To,
GM- Contract Cell
ITPS, Banharpali, OPGC,
District- Jharsuguda,
Odisha
Pin- 768234

Subject: Expression of Interest (EOI) for transportation of ash by road mode from Ash Silo/ Ash Pond of OPGC, At Banharpali, Jharsuguda, Odisha to designated low lying area/quarries/NHAI & State Highway projects/Various Infrastructure Projects, for utilization of ash in environment friendly manner as per FARC, CPCB & OSPCB guidelines

Dear Sir,

In response to your public advertisement in [Insert the names of the newspaper and/or website] on [Insert date of the advertisement] inviting EOI for transportation of ash from Silo/ Ash Pond of OPGC, IB Thermal Power Station at Banharpali, Jharsuguda, Odisha to designated low land and quarries, for utilization of ash in environment friendly manner as per FARC, CPCB & OSPCB guidelines; we hereby submit our EOI.

We have also attached information according to the standard form as per attached Annexures. The information furnished by us in this EOI is true, correct and accurate to the best of our knowledge.

Sincerely yours,

On behalf of the firm/company/organization:

Signature: _____

(Person signing the EOI and supporting documents should be an Authorized Signatory supported by necessary Board resolutions)

Name of signatory; Designation; Company Seal/stamp

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ANNEXURE-II CREDENTIALS

1. Name and address
 - i. Name of the Firm/Company/Organization:
 - ii. Corporate Address:
 - iii. Registered Address:
 - iv. Telephone No:
 - v. Fax:
 - vi. Email:
2. Contact Person:
 - i. Name:
 - ii. Designation:
 - iii. Telephone No:
 - iv. Email:
3. Company Profile:
 - i. Core area of expertise:
 - ii. Date of Incorporation:
 - iii. CIN No.:
 - iv. GST No.:
 - v. PANNo.:
 - vi. Share holding Pattern:
 - vii. Financial Capability (Including Turnover, Reserve and Surplus etc.)
4. Key Operating parameters for Last three Financial Years:[Installed Capacity, Utilization factor, Financial Turn Over etc.]
5. Supporting Documents:
[Provide copy of the registration, copy of PAN of the firm; with their latest renewals where applicable, Audited Financials for last three Financial years]
6. Experience/ Details of Major ash transportation contract handled (Along with supporting documents /credential issued by the client company) in Last three FY:
7. Proposed quantity of ash transportation per Month/Annum.
8. Detailed List of Transportation & Earthmover equipment's with respective quantity & capacity of each equipment owned by the firm.
 - a) Trucks /hyvas
 - b) Excavator
 - c) Wheel loaders/Pay loaders
 - d) Backhoe Loader
 - e) Any other equipment's owned(List is indicative, interested parties may add additional equipment if any.)
9. Any other details:

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Annexure – III

UNDERTAKING

(On Non-Judicial Stamp Paper)

Date: _____

To
GM- Contract Cell
ITPS, Banharpali, OPGC,
District- Jharsuguda,
Odisha,
Pin- 768234

Subject: Undertaking for transportation of ash by road mode from Ash Silo/ Ash Pond of OPGC, At Banharpali, Jharsuguda, Odisha to designated low lying area/quarries/NHAI & State Highway projects/Various Infrastructure Projects, for utilization of ash in environment friendly manner as per FARC, CPCB & OSPCB guidelines.

Dear Sir,

This is to certify that we M/s _____ the Interested agencies for the OPGC EOI No _____ Date. _____; do here by declare that the Ash transportation work by road mode to designated low lying area/quarries/NHAI & State Highway projects/Various Infrastructure Projects of Ash, if assigned to us, shall be done in environment friendly manner as per FARC, CPCB & OSPCB guidelines.

All the trucks deployed for transportation shall be properly covered with tarpaulin during the transportation of ash and ash shall be dumped/unloaded only at designated place specified by OPGC. All liaisoning activities with Govt offices, Statutory bodies & local villagers will be in done by us.

Thanking you,

(Signature of authorized person)

(Name & Designation)

(Seal/ Stamp of Company)

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ANNEXURE-IV

[PRICE BID- FOR REFERENCE ONLY , PRICE NOT TO BE QUOTED]

1. Ash Transportation Rate to be mentioned as per table:

S.No.	Distance Slab (Km)	Rate/Cum (Ash pond-off take) (To be filled in INR)	Rate/Tonne (Ash Silo -off take) (To be filled in INR)
1	0-10		
2	11-20		
3	21-30		
4	31-40		
5	41-50		
6	51-60		
7	61-70		
8	71-80		
9	81-90		
10	91-100		

Note:

- In case of ash transportation from ash pond, the off-take assessment will be done on volumetric basis and will be measured in Cum, which will be proportional to the volume of the void created in the ash pond.
- In case of ash transportation from ash silo, the off-take assessment will be done on weightment basis and will be measured in Tonne. The weightment of all the trucks deployed to be done at designated road weighbridges of OPGC.
- In case of non availability/breakdown of road weighbridges of OPGC during ash transportation from Silo, following methodology shall be adopted.

70% of "V" x "D"

- Where "V" is the Volume of truck carriage/dala in Cum
- Where "D" is the density of ash which is 1.2 Tonne/Cum

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2. Excavation & loading of ash at ash pond:

S.No	Particular	Unit	Price/Unit (INR)
1	Excavation & Loading of Pond ash	Cum	

Note:

- In case of excavation & loading of ash from ash pond, the off-take assessment will be done on volumetric basis and will be measured in Cum, which will be proportional to the volume of the void created in the ash pond.
- Excavator (Poclain) of sufficient capacity to be deployed at ash pond for the purpose of Excavation & Loading of Pond ash.

3. Area preparation and Lining of the void/quarry:

S.No	Particular	Unit	Price/Unit (INR)
1	Area preparation and Lining of the void/quarry	Sqm	

Note:

- Area preparation and Lining is required only in the case of ash transportation to void/quarry.
- If applicable, the measurement of bottom surface area of the void is to be done in Sqm and shall be considered as the quantity of the work.
- In case of Area preparation and Lining of the void/quarry, an impermeable lining of clay/bentonite/clay ash mixture so as to reduce the permeability to (less than) $< 10^{-7}$ cm/sec.
- In case permeability of the natural soil of the quarry is (less than) $< 10^{-7}$ cm/sec then, lining is not required.

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4. Watering and compaction of Ash to be done as per FARC guideline, so as to prevent airborne of ash.

S.No	Particular	Unit	Price/Unit (INR)
1	Watering & Compaction	Cum	

Note:

- Watering & Compaction is applicable only in the case of ash transportation to void/quarry.
- If applicable, the assessment will be done on volumetric basis and will be measured in Cum, which will be proportional to the volume of the ash transported to the site of ash filing.

5. Capping of the ash filled area by soil (360 mm)

S.No	Particular	Unit	Price/Unit (INR)
1	Capping of the ash filled area by soil (360 mm)	Cum	

Note:

- Capping of the ash filled area by soil (360 mm) is required only in the case of ash transportation to void/quarry.
- If applicable, the assessment will be done on volumetric basis and will be measured in Cum. Following methodology shall be adopted for finalization of quantity:

$$A \times H$$

- Where "A" is the area of void in Sqm
- Where H is the height of soil used for capping which is 0.36 m