



ODISHA POWER GENERATION CORPORATION LIMITED
IB THERMAL POWER STATION
AT/ PO-BANAHARPALI, JHARSUGUDA
ODISHA
PIN-768234



OPGC Invites

“Expression of interest (EOI)”

for

“Empanelment of consultants for selection to provide consultancy services for the construction of an Intermediate Ash Slurry Storage cum Booster Pumping Station”

Odisha Power Generation Corporation Ltd

(A Government company of the State of Odisha)

S/ N	Name of the work/Description	Tender cost	EM D (Rs.)	Date of receipt & submission /Opening of EOI
1	Expression of Interest for empanelment of consultants for selection to provide consultancy services for the construction of an Intermediate Ash Slurry Storage cum Booster Pumping Station	Nil	Nil	Upto 15:00 HRS on 30.06.2026/ 15:30 HRS Onwards on 30.06.2026.

A. INTRODUCTION

1. About OPGC:

Odisha Power Generation Corporation Ltd. (OPGC) is a leading power generation company of the State of Odisha, incorporated on November 14, 1984, and operates state of the art thermal power plants at Banharpali, Jharsuguda. It has a total generation capacity of 1740 MW (2 x 210 MW in Stage-1 and 2 x 660MW in Stage-II). The power generated is committed to GRIDCO under long-term power purchase agreements. The first phase Unit-1 & 2 were commissioned on 21-Dec-94 and 20-Jun-96 the year and in the second phase Unit 3 & 4 were commissioned on 03-July-19 and 21-Aug-19, respectively.

2. Ash Handling system of OPGC:

Stage-I: The ash generated from the coal fired boilers is collected as Bottom Ash, Economiser Ash, Air Preheater Ash, Duct Ash and Electrostatic precipitator handled in wet mode up to Ash Slurry Sump. There are four series of Ash Slurry Pump for Pumping the Ash Slurry from the Sump to the Stage-I Ash Pond which is 6 Kms away from the plant. Each Slurry Series comprises of 3 Nos of Slurry Pump of capacity 850 CuM @ 37 Mtr.

Stage-II: The ash generated from the coal fired boilers is collected as Bottom Ash, Economiser Ash, Air Preheater Ash, Duct Ash and Electrostatic precipitator. The Bottom Ash & Economizer Ash are handled in wet mode up to Ash Slurry Sump.

There are two Slurry series of Ash Slurry Pump for Pumping the Ash Slurry from the Sump (Plant) to Stage-II Ash Pond which is 14 Kms away from the plant. Each Slurry Series comprises of 5 Nos of Slurry Pump of capacity 738 CuM @ 47 Mtr with independent Slurry

Lines for each slurry series namely, Slurry Series-A connected to Slurry Line-1 and Slurry Series-B connected to Slurry Line-2.

The Air Preheater Ash and Duct Ash, which originally was designed to be handled through the same system installed for handling the ESP Ash but due to system limitations is currently handled in dry mode by gravity collection to tractor trolley and disposal to Ash Pond. A new Slurry Pump house is under construction which will cater to handling Bottom Ash, Economiser Ash, Air Preheater Ash & Duct Ash. Two New series of Ash Slurry Pump have been envisaged for Pumping this Ash Slurry from the New Sump to Stage-II Ash Pond which is 14 Kms away from the plant. Each Slurry Series comprises of 5 Nos of Slurry Pump of capacity 980 CuM @ 46 Mtr.

The ESP Ash is handled in Dry Mode up to the Fly Ash Silo from where it can be handled with three different options. Option-1 is Conditioned Ash for open truck/open Wagon Loading, Option-2 is Dry Ash for Bulklers and Closed Wagon loading, and Option-3 is High Concentrated Slurry Discharge through Pumps to Tilia Ash Pond.

Although the Stage-II ash pond is designed for the disposal of Bottom ash, but ash disposal was always a challenge due to frequent slurry line leakages. These leakages were mostly due to coupling failure which was later resolved by removal of couplings and welding of the pipe joints.

The other challenge faced during Bottom ash disposal to Stage-II Ash pond was sedimentation and clogging in the slurry line while pumping for a length of 14 Kms and discharging it through an Ash Pond garlanding of 6 kms (additional length) which indicated that the slurry flow is gradually turning from homogenous conditions to a sliding bed and then to stationary bed while travelling such a long distance.

Moreover, higher pumping pressure to overcome sedimentation and clogging is accelerating the rate of Slurry Pipe erosion leading to premature failure of the pipelines.

B. OBJECTIVE:

OPGC has a proposal for the construction of an Intermediate Ash Slurry Storage cum Booster Pumping Station at a suitable location in the Ash Slurry Line Corridor for the boosting the Ash Slurry coming from the Ash Slurry Pump House to the Ash Pond that is 14 Km away from the plant. The need of boosting the ash slurry at an intermediate point in the Ash Slurry Line Corridor is to ensure effective disposal of the Ash Slurry that is pumped from the Ash Slurry Pump House to the ash pond with no tendency of

sedimentation and clogging in the slurry line. An intermediate Slurry pumping station will also reduce the pumping pressure that will help in reducing the rate of Slurry Pipe erosion. To execute the proposal OPGC needs to engage a consultant for carrying out the feasibility Study & DPR, Tender works and Procurement Assistance Services, Post award review Engineering and witness & review the PG Test.

C. EXPRESSION OF INTEREST

This Expression of Interest (Eoi) seeks response from prospective bidders who are meeting the requirements of this Eoi and are willing to be associated with OPGC for providing consultancy services for the construction of an Intermediate Ash Slurry Storage cum Booster Pumping Station for boosting the Ash Slurry coming from the Ash Slurry Pump House to the Ash Pond that is 14 Km away from the plant.

The bidders must meet the following Qualifying Requirements.

1. Technical Capability

- a) Bidder must have provided Engineering consultancy services for Ash Handling system (package) either directly to the owner or to the EPC Contractor in the last 10 years for Thermal Power Plants of capacity 210 MW & above
and
- b) Bidder must have provided Engineering consultancy for Ash Handling system (package) either directly to the owner or to the EPC Contractor in the last 10 years for Thermal Power Plants where in the Ash Slurry Pumping capacity is not less than 500 CuM/Hr & the pumping distance is not less than 5 Kms.
and
- c) Bidder must have executed at least one work order for providing Engineering consultancy services as mentioned in the scope of work for Ash Handling system(package) in the last 10 years from the date of publication of this Eoi.

2. Financial Capability

- a) **Turnover:** " Minimum average annual turnover of at least Rs. 4.00 Crores in last 10 years out of which at least 1.00 Cr should be from Consultancy Service Contracts, (total payments received or contracts in progress or completed)."
 - b) **Financial Viability:** The Net Worth of the Bidder should not be negative on the date of bid submission and should not have eroded by more than 30% in the last 03 years
 - c) **Relaxation for Start-ups:** Qualification criteria can be relaxed up to 20% for start-ups subject to meeting the quality and technical specifications.
3. The Bidder must not be blacklisted in any work order related to New/augmentation/modification project in Ash Handling system in any of the PSU & Govt Sector organization in last five years (Bidders Self Certification)

D. DOCUMENTS REQUIRED IN SUPPORT OF QUALIFICATION CRITERIA

1. Organizational Details (Annexure-1)
2. Experience Details (Annexure-2)
3. Consultancy services Details (Annexure-3)
4. Financial Capability (Annexure-4)
5. List of Enclosures (Annexure-5)
6. Declaration (Annexure-6)

E. BRIEF SCOPE OF WORK OF THE CONSULTANT

The scope of work of the consultant will essentially include the points mentioned below that is required for OPGC's proposal for the construction of the Intermediate Ash Slurry Storage cum Booster Pumping Station.

1. Preparation of Feasibility Study and DPR which includes

- Basic Process & Engineering Design basis.
- Hydraulic study of existing ash slurry pipeline system, Pump head calculations, pressure drop

- Analysis, and identification of optimum location and sizing of intermediate storage cum booster pumping station.
- Indicative layout, process flow diagrams, single line diagram & Civil, Electrical, Mechanical and C&I drawings documents/drawings
- Preparation of Budgetary Cost Estimate considering a minimum of two offers from reputed EPC vendors
- Project Schedule

2. Tender Work which includes

- Preparation of tender document (Package Contract) on lump sum turnkey basis
- Technical specifications, standard specifications
- RFP document complete with preparation of technical specifications, technical data sheets, guaranteed technical particulars.
- Qualification criteria for EPC bidders
- Bid evaluation criteria
- Special Conditions of Contract

3. Procurement Assistance Service which includes

- Participate in Pre-Bid Meeting along with OPGC team
- Participation in technical discussions
- Preparation of technical clarifications/addenda
- Reply to bidder technical queries
- Screening (Technical Suitability) of the offers
- Technical Evaluation Report, commercial/price evaluation Report
- Recommendations for award of work to package contractor

4. Post Award Review Engineering which includes

- General Engineering Review
- Process Engineering Review
- Piping Engineering Review
- Electrical Engineering Review
- Control & Instrumentation Engineering Review
- Civil Engineering Review

5. Witness of Performance Guarantee Test and its Report Review

F. METHODOLOGY FOR EVALUATION FOR EMPANELMENT OF BIDDERS

The Methodology and process of empanelment is as under:

1. Stage-1

The bidders can visit the site or attend a scheduled Hybrid Mode meeting to completely understand the proposal of OPGC for the need of construction of an intermediate Slurry Pumping station along with the detailed scope of work of the consultant with the Terms & Conditions, delivery schedules, the complexity of the Ash Slurry Line Corridor & any other information required from OPGC.

2. Stage-2

After due understanding of OPGC's proposal, the Expression of Interest (EoI) along with their proposal is submitted by Eligible Bidders with all complete details mentioned in Annexure-1 to Annexure-6.

3. Stage-3

The bidders/ Consulting firms will be evaluated based upon the technical capability and financial capability, other information provided by the bidder in Annexure-1 to Annexure-6.

The evaluation shall be carried out by a Selection Committee of OPGC in accordance with the stipulated technical and financial criteria. Only those bidders who meet the

prescribed technical and financial requirements shall be eligible to participate in the limited tender process.

4. Stage-4

A limited tender shall be floated among the bidders who meet the technical and financial capability specified in the EOI. The tender shall be issued by OPGC through the GeM portal or other e-tendering platforms.

G. GENERAL TERMS & CONDITIONS

1. Empanelment with OPGC does not guarantee work. No firm empanelled with OPGC can demand a contract.
2. OPGCL reserves the right to accept or reject any application without assigning any reason.
3. Empanelled Consultant will be required to comply with OPGCL's contracts & procurement policies and standards
4. This EOI should not be treated as a commercial tender document and Applicant are advised not to offer any price or include any financial aspect with their response. This EOI does not constitute and will not be deemed to constitute any commitment or Confirmation on part of OPGC for any work to the Applicant'(s).
5. The Applicant shall bear all costs associated with the preparation and submission of its response to this EOI, including cost of Demo/Presentation/Site visit for the purpose of clarification of the offer, if so desired by OPGC. OPGC will in no case be responsible for these costs, regardless of the conduct or outcome of the EOI process.
6. The application received for empanelment will be scrutinized and shortlisted for consideration based on the technical criteria as well as financial credential as per the Scope of Work. However, empanelment will be at the sole discretion of OPGC based on its needs (including number of consultants to be empanelled) and so the Institution need not to give any reason for not empanelling any applicant.
7. Each Bidder should notify OPGC of any error, omission or discrepancy found in the EOI document or seek any sought of clarification.
8. The application shall be submitted only as per the enclosed format (s) along with Annexure(s), Self-attested documentary proof(s) in respect of the details furnished in the application form shall be submitted along with the application. The intending applicants shall also submit the list of such projects where due to any disputes litigation/arbitration was invoked and or the services were abandoned/suspended by

the Owner(s) /EPC Contractor(s). Suppression of any information in this regard may lead to cancellation of empanelment of the Firm/Company concerned, if such information comes to the notice of Odisha Power Generation Corporation Ltd (OPGC) after empanelment. Incomplete applications will be summarily rejected.

9. Proper due diligence should be exercised before providing information against the EOI. Only relevant and precise information should be provided at any time prior to the last date for receipt of offers, OPGC may for any reason, whether at its own initiative or in response to a clarification requested by a prospective Applicant, modify the EOI document and all formats including annexure by issuing clarification(s) and/or amendment(s). To provide the prospective applicants reasonable time to take the amendment into account in preparing their offers, OPGC may, at its sole discretion, extend the last date for receipt of offers and/or make other changes in the requirements set out in the invitation for EOI. While this EOI has been prepared in good faith, neither OPGC nor its employees make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this EOI, even if any loss or damage is caused by any act or omission on their part.

Note:

1. *OPGC reserve all the rights to change dates without assigning any reason(s) thereof. However, the same shall be intimated vide Notification on OPGC's website and GeM Portal.*
2. *The Eoi is not transferable/ delegated / sub- delegated in nature.*
3. *If Holiday is declared on the date(s) (as mentioned) in the Eoi, the proposal shall be received/ opened on the next day (i.e. working day) at the same time specified above and the same venue unless communicated otherwise.*
4. *The language of submission of application must be in English.*

H. SUBMISSION OF EOI

Hard copies along with the required documents to be sent in a sealed envelope through courier, registered post or hand delivered to the following address:

To,

DGM Contract Cell
SCM Department
Odisha Power Generation Corporation Limited (OPGCL)
Resource Centre, IB Thermal Power Station,
Banharpali, Jharsuguda,
Odisha - 768234

The envelope should be superscribed as "**Expression of Interest for**
"Empanelment of consultants for selection to provide consultancy services for the
construction of an Intermediate Ash Slurry Storage cum Booster Pumping Station "
and **EOI ref no.**

- **For Commercial queries:**

Sri Manoj Pradhan
D.G.M. (Contract Cell)
E-Mail Id. manoj.pradhan@opgc.co.in
Mob no : +91- 7852904002

Sri. Satya Tarai
Sr. Manager (Contract Cell)
E-Mail Id. satya.tarai@opgc.co.in
Mob no : +91- 7682854483

- **For Technical queries:**

Sri Dharanidhar Behera
AGM (Mechanical)
E-Mail Id. dharani.behera@opgc.co.in
Mob no :+91-9337287551

Sri Sandeep Sahu
DGM (Mechanical)
E-Mail Id. santosh.sahoo@opgc.co.in
Mob no :+91-7683854507

ANNEXURE-1

ORGANIZATIONAL DETAILS

Sl. No.	Particulars	Details	Enclosure (Yes/No)
1	Name of Organization (URL of the website of the organizations may also be mentioned, if any)		
2	Year of establishment/ registered		
3	Main areas of business/ activity		
4	Name of the Head of the organization and other functionaries (including Board Members)		
5	Type of Organization Firm/company/partnership firm registered under the Indian Companies Act, 1956/the Partnership Act, 1932 (State the Act under which Established, registered and registration date), GST,PAN		
6	Whether the firm has been blacklisted by any Central Govt./State Govt./PSU/ Govt. Bodies/Autonomous Organizations? If yes, details thereof		
7	Address of registered office with telephone no., fax and Email		
8	Contact Person with telephone no., fax no. & Email ID		
10	Area of operation (Pan India/ Regional/ State)		
11	Indicate if empaneled with any Government Departments/ Agencies		
12	Name, designation and contact details of the authorized nodal person who would be the leader of the team for the proposed study (ies)		
13	Summary of Regular/Permanent Professional roles and Key Personnel including the nature of Specialization, Qualifications and Experience should be enclosed along with certificates		

Signature of the Bidder:

Stamp/ Seal:



ANNEXURE-2

EXPERIENCE DETAILS

Overview of the experience of the Organization/ Institution/ Agency in carrying out consultancy services for Ash Handling system for Thermal Power Plants relevant to the Scope mentioned in the EoI.

Sl. No.	Description	Number of assignments during last 10 years	Name of such studies/consultancies	Order Value (in Cr. of Rs.) of each assignment (Enclose copy of each work order)	Mention the name of Client/ Organization (Enclose completion certificates)
1	Studies/ Consultancies carried out				
2	Experience in carrying out Studies/ Consultancies for the Central PSU/Govt Ministries and State Govt Departments /PSU				
3	Experience in carrying out Studies/ Consultancies for institutions other the Central PSU/Govt Ministries and State Govt Departments /PSU				
4	Whether Studies/ Consultancies for similar study as proposed in the EoI has ever been carried out (if so, a copy of the report must be furnished)				

Signature of the Bidder:

Stamp/

Seal:

Date:

ANNEXURE-3

CONSULTANCY SERVICES DETAILS

Sl. No.	Name of such studies/ consultancy services	Name of Client/ Organization with address	Station Capacity (MW)	Unit Size (MW)	Detail of Ash Handling System with type and respective capacity
1					
2					
3					
4					

Signature of the Bidder:

Stamp/ Seal:

Date:

ANNEXURE-4

FINANCIAL CAPABILITY DETAILS

The Financial strength of the Bidder/organization/ firm/ agency/ institute for the last ten years

Sl. No.	Financial Year	Whether profitable (Yes/No)	Net Worth (In Rs. Cr)	Overall Annual Turnover (In Rs. Cr)	Annual Turnover from conducting of studies/consultancies (In Rs. Cr)	Auditor's certificate enclosed (Yes/No)
1						
2						
3						
4						
5						
6						

Signature of the Bidder:

Seal:

Stamp/

Date:

Note: Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the date of application. In case the documents are not ready/ available, then certified copy by a registered practicing Chartered accountant may be submitted.

ANNEXURE-5
ENCLOSURE DETAILS

1. List all enclosures related to the previous Annexures.

SI No	Description	No. of Pages
1		
2		
3		
4		
5		
6		
7		
8		

2. Additional information, if any, to support the eligibility of the organization/ firm/ agency.

(Not more than 2 pages).

Signature of the Bidder:

Stamp/

Seal:

Date:

ANNEXURE-6

DECLARATION

We would like to state that the information provided by us is true to the best of our knowledge and belief and we understand that we are liable for action under the law for any false information or document furnished by us.

We also understand that Odisha Power Generation Corporation (OPGC) shall be free to investigate on its own into the correctness of information furnished by us in this application and/or call for any further information in this regard from us, if required.

We hereby confirm that we have completely understood the proposal of OPGC for an Intermediate Ash Slurry Storage cum Booster Pumping Station and express our interest for carrying out the “Consultancy services for OPGC’s proposal for construction of an Intermediate Ash Slurry Storage cum Booster Pumping Station”.

All the information provided herewith is genuine and accurate.

Authorized Person’s Signature:

Name and Designation:

Date of Signature:

Note: This declaration is to be furnished on the letterhead of the organization and should be sealed and signed by an authorized signatory of the organization.