



Expression of Interest (EOI)
For
Supply of Limestone for Flue Gas desulphurization (FGD) plants
of
OPGC 2 x 210, 2 x 660 MW, ITPS,
Banharpali, Jharsuguda, Odisha, India.





ODISHA POWER GENERATION CORPORATION LIMITED
IB THERMAL POWER STATION
At/PO: BANHARPALI, DIST: JHARSUGUDA – 768 234 (ODISHA)

Expression of Interest (EOI)

OPGC invites sealed bids from bona fide and financially sound Registered Agencies /Firms /Companies for execution of the following Works for its Thermal Power Plant at Banharpali.

S/N	Name of the work	Date of receipt & submission
1.	Expression of Interest (EOI) For Supply of Limestone for Flue Gas desulphurization (FGD) plants of OPGC 2 x 210, 2 x 660 MW, ITPS,	Up to 15:30 Hrs onwards on 22.09.22

AGM-CONTRACT

SAFE & CLEAN POWER IS OUR COMMITMENT

OPGC encourages all existing or new vendors/suppliers to register with us as empaneled vendors. Please visit our website www.opgc.co.in for details.

DETAILED INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR SOURCING OF LIMESTONE MEANT FOR OPGC POWER STATIONS

1.0 INTRODUCTION

OPGC Phase-I is a 2 x 210 MW sub-critical and OPGC Phase-II is a 2 x 660 MW supercritical power plant located at IB Thermal Power station, Banharpali, Jharsuguda, Odisha, India. The total capacity of station is 1740 MW.

While generating quality Power, OPGC has always been a fore runner in complying with stringent environmental norms. Ministry of Environment, Forest & Climate change, in its gazette notification Dtd: 7th Dec. 2015, has amended the Environment (Protection) rules, 1986, which make it binding to the thermal power plants to reduce Sulphur Di Oxide (SO₂) emission below the prescribed limit, depending upon the Unit size and year of installation of the Power plant.

For the purpose of capturing the SO₂ from the flue gas before emission, Flue Gas Desulphurization (FGD) plants are required to be installed in the flue gas path. In compliance with the above said Gazette notification, **OPGC is under way of installation of FGD plant in 2 x 660 MW (OPGC-II) and in near future same is going to be installed for 2 x 210 MW (OPGC-I).** As an input to FGD plants, Limestone (CaCO₃) is required in huge quantities. Through this EOI, ITPS, OPGC, Banharpali, Jharsuguda, ODISHA desires to assess the domestic market for supply of Limestone of required Quality.

2.0 INTENT OF THE EXPRESSION OF INTEREST (EOI)

IB thermal power station, OPGC, Banharpali, Jharsuguda, ODISHA invites “Expression of Interest (EOI)” for assessing the market response for shortlisting of Mine Owners/ Suppliers/ Agencies for further course of actions such as Long term tie up/ MOUs/ Tendering or any combination of these three options, for supply of ‘Limestone’ meant for FGD plants of OPGC coal fired thermal power plants/ stations, with minimum purity of 89% on CaCO₃ basis. The Mine Owners/ Suppliers/ Agencies are required to submit details, along with physical and chemical characteristics of Limestone, as per the format enclosed at Schedule III.

The thermal power station wise requirement of limestone quantity and quality requirement of OPGC is as follows:

Sr. No.	Power Plant	Limestone quantity required per day	Dates of requirement (Tentative)
1	OPGC-Phase-I, 2X210MW,ITPS, BANHARPALLI	250MT	Apr-2026
2	OPGC-Phase-II, 2X660MW,ITPS, BANHARPALLI	600MT	Apr-2023

Quality requirement:

PARAMETER	UOM	VALUE
Calcium Carbonate	%	89 (min)
Magnesium Carbonate	%	< 4
Iron oxides + Aluminium Oxides	%	1.5 - 3
Silica	%	2 - 4.5
Total Carbonate	%	> 90
Total Sulfur	%	< 0.1
Total Water	%	< 0.5
Feed Size	mm	100 - 200
Bond Work Index	KWhr/MT	13

1.0 SCOPE OF THE EXPRESSION OF INTEREST (EOI)

1.1 The scope of EOI is for supply of limestone to OPGC power stations for meeting the requirement of Flue Gas Desulphurization (FGD) Unit, with purity equal or greater than

*Expression of Interest (EOI) for Sourcing of Limestone for Flue Gas Desulphurization (FGD) Plants of OPGC
90% on CaCO₃ basis.*

2.0 TERMS AND CONDITIONS OF THE EXPRESSION OF INTEREST (EOI)

- 2.1** IB Thermal power station, OPGC is likely to be commissioned with wet limestone based flue gas desulphurization (FGD) system in the year 2023-24.
- 2.2** The interested parties should be able to supply limestone as per required quantity and quality. The bidders should provide thermal power station wise data (size, quantity, cost etc.) of limestone being offered in the EOI.
- 2.3** Mine Owners/ Suppliers/ Agencies shall submit EOI. It may be noted that submission of EOI does not, in anyway, constitute any kind of commitment on the part of OPGC.
- 2.4** The interested Mine Owners/ Suppliers/ Agencies shall make their own arrangement for transportation of limestone up to respective Power Plant of OPGC.
- 2.5** OPGC reserves the right to assess the capacity/ capability of the applicant and viability of proposal, based on verification of documents and if required, cross verification for establishment of the capable applicant(s).
- 2.6** OPGC reserves the right to accept or reject any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever, in case situation arises, and in such a case no applicant/intending applicant shall have any claim arising out of such action.
- 2.7** Interested Mine Owners/ Suppliers/ Agencies shall ensure proper care and constant vigil of transportation activities for any damages to any existing properties, which may result in Environmental hazards in anyway, in case of award.
- 2.8** Interested Mine Owners/ Suppliers/ Agencies shall have to abide by the guidelines of the Central Government/ State Government and ensure compliance, in case of award.

All applicable safety norms to be followed by the interested Mine Owners/ Suppliers/ Agencies while handling, transportation and unloading of limestone, in case of award.
- 2.9** All possible measures will have to be taken by the interested Mine Owners/ Suppliers/ Agencies, to avoid pollution while transporting, in case of award. No spillage of limestone will be permitted.
- 2.10** Interested Bidders may visit the site where FGD system will be installed. The owner shall provide all cooperation to the representative of the bidder in obtaining the required information during the visit to site. However, the cost associated to this EOI including preparation, site visit etc will be borne by the bidder only and no cost shall be reimbursed by OPGC of whatsoever nature.

Form of Application of EOI for Supply of Limestone

(TO BE PRINTED ON THE LETTER HEAD OF THE INTERESTED AND SIGNED)

Ref No.

Date:

(This is only an enquiry for shortlisting of agencies towards enlistment for supply of limestone for the requirement of Flue Gas Desulphurization (FGD) Unit of **ITPS, OPGC, Banharpalli, Jharsuguda, Odisha**).

To
General Manager (SCM)
ITPS, OPGC, Banharpalli, Jharsuguda,
Odisha 768234

Dear Sir,

We are interested in supply of Limestone for OPGC Power Stations. We hereby express our willingness to participate in RFP as and when OPGC invites the proposal for the same.

With reference to your invitation for EOI dated

_____, we are furnishing herewith all the required details:

Name of the Company and Address	
Whether the company is Govt. firm/Private owned	
Are you a Mine Owner/Supplier/Agency	
Name of Mine/Warehouse/Port from where supply will be made	
If you are supplying to industries, kindly provide details of experience as per format at Schedule IV .	
Limestone Characteristics	Details to be provided as per the format enclosed in Schedule III .
Preferred Mode of Supply of Limestone to the designated place near or inside the plant boundary	Whether Rail or Road
Frequency of supply of limestone to meet daily requirement of proposed Power Project/Station	
Size and Quantity of limestone available	
Purity of Limestone	
Batch size of Limestone to be transported	

Expression of Interest (EOI) for Sourcing of Limestone for Flue Gas Desulphurization (FGD) Plants of OPGC

Specify sizes of limestone; among sizes of (-)20mm/(-)50mm/(-)100mm/(-)250mm; those can be made available for supply	
Specify outage season (if any) round the year	
Specify the period (in years) of supply of the required limestone Quantity and Quality that can be made for Long term contract (Note: Plant life is 25 years)	
Cost of limestone (per tonne in ₹ or in any other currency) (against interested Project/Station)	Cost of Limestone at Mine/Warehouse/Port for each proposed size
	Transportation Cost
	Total Landed Limestone cost for each proposed size separately
Name and Designation of the contact person	
Address	
Mobile Number	
E-Mail Address	
Any other relevant information	

Place:

Date:

Name:

In the Capacity of:

Signed:

Duly authorized to sign the application for and on behalf of: (Seal of the company)

Schedule II

(TURNOVER OF THE COMPANY IN THE LAST THREE FINANCIAL YEARS)

We confirm that annual turnover of M/s.....
..... [Applicant] for the preceding three financial years is as under:-

Sl.No.	Financial Year	Turnover amount (In Bidder's Currency)	Turnover amount (In Million ₹)	Exchange Rate on seven (7) days prior to Last date of submission of EOI
1.				
2.				
3.				

The Turnover Certificate to be certified by Chartered Accountant/Auditor.

Place:

Date:

Name:

In the Capacity of:

Signed:

Duly authorized to sign the application for and on behalf of: (Seal of the company)

Expression of Interest (EOI) for Sourcing of Limestone for Flue Gas Desulphurization (FGD) Plants of OPGC

Chemical Analysis (% by mass)			Schedule III
1	CaO	%	
2	MgO	%	
3	Fe ₂ O ₃	%	
4	Al ₂ O ₃	%	
5	Si ₂ O ₃	%	
6	Mn ₂ O ₃	%	
7	P ₂ O ₅	%	
8	Cl ₂	%	
9	Na ₂ O	%	
10	K ₂ O	%	
11	TiO ₂	%	
12	Total Sulphur	%	
13	LOI	%	
14	Free silica content		
Physical Properties			
1	Reactivity of Limestone		
2	Bond's Work index	kW-h/ton	
3	Granule Size	mm	
4	Compressive Strength	kgf/cm ²	

(EXPERIENCE)

Sl. No	Project name	Project location	Purity of Limestone (on CaCO ₃ basis)	Year of Supply	Quantity Of Supply	Mine name & Location	Mode of Transport	Remarks

Note: 1. please attach Client's Certificates/Other relevant certificates along with this schedule.

2. Bidders should mention in remarks if limestone supplied is for used in FGD or otherwise

Place:

Date:

Name:

In the Capacity of:

Signed:

Duly authorized to sign the application for and on behalf of: (Seal of the company)

(UNDERTAKING FOR PREVENTION OF FRAUD AND CORRUPTION)
(To be provided on Rs. 100/- Bond)

TO BE STAMPED IN ACCORDANCE WITH THE STAMP ACT AND TO BE NOTARIZED BY A NOTARY PUBLIC

Affidavit of Shri.....S/O.....Aged about.....R/O.....

I, the above named deponent do hereby solemnly affirm and declare as under:-

1. That I am working as (Designation) in (name and address of the bidder) since.....
2. That I am duly authorized by (name of the bidder) to submit this undertaking on its behalf.
3. That bidder is submitting EOI in response to invitation for Expression of Interest (EOI) for Sourcing of Limestone for Flue Gas Desulphurization (FGD) Plants of OPGC
4. That bidder will comply with the Anti-Corruption Guidelines/Laws in force of the relevant Government/its instrumentalities. Further the bidders (applicants/proposers), consultants, contractors and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, will observe the highest standard of ethics during this EOI process and refrain from Fraud and Corruption.

DEPONENT

Verification:

Verified at.....on.....day of.....2022 that the contents of my above undertaking are true to the best of my knowledge. No part of it is false and nothing material or relevant has been concealed therefrom.

DEPONENT

(ANY OTHER INFORMATION)

Additional Information relevant to the work/assignment is enclosed.