



**OWNER:
THE TATA POWER COMPANY LIMITED**

**TITLE: Notice Inviting Expression of Interest
for
Supply of Limestone for FGD system for Thermal Power Plants at Prayagraj,
Maithon and Jojobera (Jamshedpur)**

REFERENCE NO.: CC24YW013

NOTICE INVITING TENDER FOR SUPPLY OF LIMESTONE

Reference no.: CC24YW013
Title: Supply of limestone for Flue Gas Desulphurization (FGD) system for Thermal Power Plants at Prayagraj, Maithon and Jojobera (Jamshedpur)
Deadline for tender fee payment and submission of EOI : 20 th Jan 2024
Contact Details: All communication including EOI submission shall be addressed to following officer/s: Ms. Rutuja Malkar Email: rutuja.malkar@tatapower.com Copy of all communications shall be marked to (Cc): Ms. Yogita Waman and Mr. P Ramrayka Email: yogita.waman@tatapower.com ; p.ramrayka@tatapower.com

1. INTRODUCTION:

Tata Power Company Limited has various thermal power generating stations across India. With an intent to limit the SO₂ emissions from its plants, TPCL has taken up installation of Flue Gas Desulphurization Units.

2. SCOPE OF WORK:

The scope of work shall include supply of limestone including all activities and services in respect of all the equipment & works specified and covered under the specifications and read in conjunction with "Scope of Work/Supply" elaborated elsewhere.

Detailed Scope of Work and technical requirement are attached at Annexure I.

3. TENDER FEE & TIMELINES:

a) Interested parties meeting the "Bidder Pre-Qualification Requirements" specified under point no. 4 in this document can request tender document and participate in the bidding process by submitting the Expression of Interest (EOI) Letter along with the Tender Fee Payment Details to the contact details mentioned below not later than deadline specified below. Request for Bid Document / EOI will be not be entertained beyond this deadline.

b) Interested bidders should submit the Expression of Interest (EOI) letter and tender fee payment details to below mentioned email addresses:

- Mails shall be addressed to (To): rutuja.malkar@tatapower.com
- Must Mark a copy to (Cc): yogita.waman@tatapower.com; p.ramrayka@tatapower.com

EOI/ requests without complete information and communication as above within deadline shall be liable to be rejected and will not be considered further.

c) Tender Fee, as indicated in the Table1 above may be paid through **NEFT** as per details for payment of Tender Fee given in Table2 below:

Table2

Details for payment of Tender Fee: Rs. 2000/-	
Bank details for submitting Tender fees through bank transfer / NEFT:	Beneficiary Name: The Tata Power Company Limited Bank Name: HDFC Bank A/c no: 00600110000763 IFS Code: HDFC0000060 A/c type: CC Branch Name & Address: HDFC Bank, Maneckji Wadia Building, Nanik Motwani Marg, Fort, Mumbai 400023
Deadline for tender fee payment and submission of EOI:	20 th Jan 2024, CoB.

d) Expression of Interest letter to be submitted along with tender fee payment details should include the following details:

- A covering letter duly stamped and signed by an authorized signatory clearly indicating the Tender Reference number and your EOI to participate in the tendering process.
- Tender fee payment details / reference no (ensure that tender fee is received by us within specified deadline)
- Bidder to indicate authorized person name, contact number and e-mail id (mandatory) of the person to whom RFQ / tender and all other communications to be addressed for this tender.

e) Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal (Ariba System) only to the parties submitting a valid EOI as per terms mentioned in this document.

4. BIDDER PRE-QUALIFICATION REQUIREMENTS:

Interested parties to note that Bidder shall be required to fulfill the following bidder pre-qualification requirement / criteria in order to qualify for the subject work. Bidder will be required to submit relevant supporting documents to demonstrate their qualification during the bid submission stage against Tender document / RFQ and bidders not found meeting the pre-qualification requirements given below will be disqualified from the tender.

4.1 TECHNICAL REQUIREMENT:

- i. Bidder should be limestone mine owner/ limestone mine lessee.
Or
Bidder should be trader/ supplier who sources limestone from mines in India. The bidder shall submit a letter of authority from such mine owner/ lessee.
- ii. Bidder shall have executed supply orders of limestone with min 45% (by weight) CaO3 in last 5 years as follows:
 - a. Single purchase order for minimum 45000 MT

- Or
- b. 2 purchase orders for min 30000 MT each
- Or
- c. 3 purchase orders for min 20000 MT each

4.2 FINANCIAL REQUIREMENT:

- i. Bidder shall have an Average Annual Turn Over of not less than INR 5 Crores during the last three financial years.

5. BID SECURITY / EMD:

Interested parties to note that Bidder will be required to furnish a Bid Security **along with their Bid**, in the format prescribed in Bid Document **in the form of Bank Guarantee/ DD/ RTGS**, for an amount as defined in the covering page of this notice document. Bids not accompanied by an acceptable Bid Security shall be rejected by the Owner as being non-responsive and returned to the bidder without being opened.

Interested parties to note that Bid Security is not required with the EOI and it is required to be submitted with the Bid only during Bid Submission stage, once RFQ is released to the interested parties that have submitted a valid EOI.

ii. BIDDING PROCESS:

Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal (Ariba System) only to the parties that submitted a valid EOI as per terms mentioned in this document.

Bidder to note that commercials for subject tender may be conducted through e-auction. Detailed bidding and auction process shall be detailed in the RFQ / tender document.

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**SUPPLY OF LIMESTONE FOR FLUE GAS
DESULFURIZATION UNIT (FGD) TO TATA POWER
AT PRAYAGRAJ POWER GENERATION COMPANY LTD**

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1. INFRASTRUCTURE AVAILABLE AT SITE

The scope of work includes sourcing and supply of limestone as per technical specification and delivery at site. Bidder's scope is broadly mentioned in this document however the scope shall not be limited to the scope mentioned herein and the bidder is expected to comply with all requirements and complete all activity related to timely receipt of limestone at site.

- 1.1. The details of existing infrastructure available at Prayagraj Power Generation Company Limited (PPGCL) site is mentioned below.

Description	Prayagraj
No. of Truck Tippler	2x100%
Each Truck Tippler Capacity	100 MT (Payload~40 MT)
Platform Dimension of Truck Tippler	18 x 3.5 m
No. of Weigh Bridge inside	2
Capacity of Weigh Bridge	60 MT
Platform Dimension of Weigh Bridge	16 x 3 m

- 1.2. In addition, Bidder to note that limestone unloading railway platform is being developed at PPGCL site.

2. TECHNICAL REQUIREMENT

- 2.1. The technical parameters as listed below are the minimum requirement which need to be complied for supplying of limestone to PPGCL site. The minimum technical requirement of limestone for PPGCL is mentioned below:

Table 1: Minimum Technical Requirement

Sr. No	Parameter	UOM	Limits/ Value
Chemical Parameters:			
1	CaO	% by mass	(Minimum) 51
2	MgO	% by mass	≤ 2
3	Silica (SiO ₂)	% by mass	≤ 5
Physical Characteristics:			
4	Bond Index	KWh/T	13
Size of Limestone should be less than (-) 300 mm.			

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- 2.2. The approx. requirement of limestone on yearly basis for all three units of PPGCL shall be 168000 MT considering 85% PLF.
- 2.3. It is advised to all Bidders to visit site and familiarize with available infrastructure like access to road and other facilities etc.
- 2.4. Bidder to ensure that limestone to be delivered at site should be covered with tarpaulin so as to avoid any dust emission while transportation.
- 2.5. Bidder to sample each lot and do testing for all the parameters in a government / NABL accredited laboratory at his own cost and communicate the result to Owner prior to starting dispatch of that lot. The material will be loaded for dispatch after clearance from Owner based on compliance to the limits/value specified above in clause no. 2.1. Lot size may be defined as the total quantity being dispatched to a specific site / station on daily basis.
- 2.6. The material shall be tested using IS standard as applicable at Owner site on arrival (either directly or through an authorized agency appointed by Owner) on daily basis on a date and time (as mutually agreed between Owner site & Bidder) specified by the individual station where the Bidder may choose to send their representative to witness the sampling and analysis.
- 2.7. The sampling of limestone shall be carried out as per IS 2109 and limestone chemical analysis shall be carried out as per IS 1760.
- 2.8. Limestone sample shall be collected from each truck received at Owner site on daily basis. The various sample collected on a particular day will be mixed thoroughly and 3 (three) composite sample packets will be prepared. One sample will be provided to Owner site for testing at plant lab, second sample shall be shared to Bidder & third sample will be kept as 'Reserved sample' with Owner. In case of any dispute, the third sample 'Reserved sample' shall be tested with Authorised Testing Lab which should be acceptable to both Owner and Bidder.
- 2.9. The physical and chemical composition of the Limestone on receipt at site will be inspected and tested by OWNER/ OWNER appointed Third party agency. The payment will be made only if the materials comply with the specification as per the analysis carried out at site. If Bidder representative chooses not to involve in the sampling and testing process, result of analysis by Owner station will be binding for acceptance.

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- 2.10. In the event of any conflict between the codes and the standards referred to in the specification and for the requirements indicated in the specification, the more stringent of the two will govern.
- 2.11. All required permit, license, approvals etc as required from relevant authorities for bringing limestone to PPGCL site either by road or rail transportation shall be in Bidder scope.
- 2.12. Bidder shall have to abide by the guidelines of the Central Government/ State Government and ensure its compliance. All applicable safety norms to be followed by Bidder while handling, transportation, unloading and stacking of limestone.

3. PRICE ADJUSTMENT MECHANISM

Price adjustment formulae shall be applied to control the Limestone quality as mentioned below.

- i. If CaO content is $\geq 51\%$. Hence, No deduction.
- ii. If CaO content is below 51% up to 45%, 20% of the total cost (Basic + freight) will be deducted from the payment for that lot.
- iii. If CaO content is below 45%, 50% of the total cost (Basic + freight) will be deducted from the payment for that lot.
- iv. If any deviation as mentioned at (ii) or (iii) above happens three times during any period of three months, the contract to be cancelled.
- v. In case of cancellation of a contract that vendor shall be disqualified for participation in the upcoming tender for a period of one year for that station.

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AT MAITHON POWER LIMITED**

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1. INFRASTRUCTURE AVAILABLE AT SITE

The scope of work includes sourcing and supply of limestone as per technical specification and delivery at Maithon site. Bidder's scope is broadly mentioned in this document however the scope shall not be limited to the scope mentioned herein and the bidder is expected to comply with all requirements and complete all activity related to timely receipt of limestone at Maithon site.

- 1.1. The details of existing infrastructure available at Maithon Power Limited (MPL) is mentioned below.

Description	Maithon
No. of Truck Tippler	Not Available. Bidder to arrange self-tipping Truck
Each Truck Tippler Capacity	Not Applicable
Platform Dimension of Truck Tippler	Not Applicable
No. of Weigh Bridge inside	1
Capacity of Weigh Bridge	100 MT
Platform Dimension of Weigh Bridge	16 x 3 m

2. TECHNICAL REQUIREMENT

- 2.1. The technical parameters as listed below are the minimum requirement which need to be complied for supplying of limestone to Maithon operating plant. The minimum technical requirement of limestone for MPL is mentioned below:

Table 1: Minimum Technical Requirement

Sr. No	Parameter	UOM	Limits/ Value
Chemical Parameters:			
1	CaO	% by mass	(Minimum) 51
2	MgO	% by mass	≤ 2
3	Silica (SiO ₂)	% by mass	≤ 5
Physical Characteristics:			
4	Bond Index	KWh/T	13
Size of Limestone should be less than (-) 300 mm.			

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- 2.2. The approx. requirement of limestone on yearly basis for two units of MPL shall be 73000 MT considering 85% PLF.
- 2.3. Bidder to arrange self-tipling truck of required payload for bringing limestone to MPL site as truck tippler facility is not available at Maithon site.
- 2.4. It is advised to all Bidders to visit site and familiarize with available infrastructure like access to road and other facilities etc.
- 2.5. Bidder to ensure that limestone to be delivered at site should be covered with tarpaulin so as to avoid any dust emission while transportation.
- 2.6. Bidder to sample each lot and do testing for all the parameters in a government / NABL accredited laboratory at his own cost and communicate the result to Owner prior to starting dispatch of that lot. The material will be loaded for dispatch after clearance from Owner based on compliance to the limits/value specified above in clause no. 2.1. Lot size may be defined as the total quantity being dispatched to a specific site / station on daily basis.
- 2.7. The material shall be tested using IS standard as applicable at Owner site on arrival (either directly or through an authorized agency appointed by Owner) on daily basis on a date and time (as mutually agreed between Owner site & Bidder) specified by the individual station where the Bidder may choose to send their representative to witness the sampling and analysis.
- 2.8. The sampling of limestone shall be carried out as per IS 2109 and limestone chemical analysis shall be carried out as per IS 1760.
- 2.9. Limestone sample shall be collected from each truck received at Owner site on daily basis. The various sample collected on a particular day will be mixed thoroughly and 3 (three) composite sample packets will be prepared. One sample will be provided to Owner site for testing at plant lab, second sample shall be shared to Bidder & third sample will be kept as 'Reserved sample' with Owner. In case of any dispute, the third sample 'Reserved sample' shall be tested with Authorised Testing Lab which should be acceptable to both Owner and Bidder.
- 2.10. The physical and chemical composition of the Limestone on receipt at site will be inspected and tested by OWNER/ OWNER appointed Third party agency. The payment will be made only if the materials comply with the specification as per the analysis carried out at site. If Bidder representative chooses not to involve in the sampling and testing process, result of analysis by Owner station will be binding for acceptance.

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- 2.11. In the event of any conflict between the codes and the standards referred to in the specification and for the requirements indicated in the specification, the more stringent of the two will govern.
- 2.12. All required permit, license, approvals etc as required from relevant authorities for bringing limestone to PPGCL site either by road or rail transportation shall be in Bidder scope.
- 2.13. Bidder shall have to abide by the guidelines of the Central Government/ State Government and ensure its compliance. All applicable safety norms to be followed by Bidder while handling, transportation, unloading and stacking of limestone.

3. PRICE ADJUSTMENT MECHANISM

Price adjustment formulae shall be applied to control the Limestone quality as mentioned below:

- i. If CaO content is $\geq 51\%$. Hence, No deduction.
- ii. If CaO content is below 51% up to 45%, 20% of the total cost (Basic + freight) will be deducted from the payment for that lot.
- iii. If CaO content is below 45%, 50% of the total cost (Basic + freight) will be deducted from the payment for that lot.
- iv. If any deviation as mentioned at (ii) or (iii) above happens three times during any period of three months, the contract to be cancelled.
- v. In case of cancellation of a contract that vendor shall be disqualified for participation in the upcoming tender for a period of one year for that station.

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**SUPPLY OF LIMESTONE FOR FLUE GAS
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AT JOJOBERA**

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1. INFRASTRUCTURE AVAILABLE AT SITE

The scope of work includes sourcing and supply of limestone as per technical specification and delivery at Jojobera site. Bidder's scope is broadly mentioned in this document however the scope shall not be limited to the scope mentioned herein and the bidder is expected to comply with all requirements and complete all activity related to timely receipt of limestone at Jojobera site.

1.1. The details of existing infrastructure available at Jojobera site is mentioned below.

Description	Jojobera
No. of Truck Tippler	2x100%
Each Truck Tippler Capacity	60 MT (Payload~30 MT)
Platform Dimension of Truck Tippler	11 x 3.2 m
No. of Weigh Bridge inside	1
Capacity of Weigh Bridge	100 MT
Platform Dimension of Weigh Bridge	18 x 3 m

2. TECHNICAL REQUIREMENTS

2.1. The technical parameters as listed below are the minimum requirement which need to be complied for supplying of limestone to Jojobera operating plant. The minimum technical requirement of limestone for Jojobera is mentioned below.

Table 1: Minimum Technical Requirement

Sr. No	Parameter	UOM	Limits/ Value
Chemical Parameters:			
1	CaO	% by mass	(Minimum) 51
2	MgO	% by mass	≤ 2
3	Silica (SiO ₂)	% by mass	≤ 5
Physical Characteristics:			
4	Bond Index	KWh/T	13
Size of Limestone should be less than (-) 300 mm.			

2.2. The approx. requirement of limestone on yearly basis for four units of Jojobera shall be 30000 MT considering 85% PLF.

2.3. It is advised to all Bidders to visit site and familiarize with available infrastructure like access to road and other facilities etc.

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- 2.4. Bidder to ensure that limestone to be delivered at site should be covered with tarpaulin so as to avoid any dust emission while transportation.
- 2.5. Bidder to sample each lot and do testing for all the parameters in a government / NABL accredited laboratory at his own cost and communicate the result to Owner prior to starting dispatch of that lot. The material will be loaded for dispatch after clearance from Owner based on compliance to the limits/value specified above in clause no. 2.1. Lot size may be defined as the total quantity being dispatched to a specific site / station on daily basis.
- 2.6. The material shall be tested using IS standard as applicable at Owner site on arrival (either directly or through an authorized agency appointed by Owner) on daily basis on a date and time (as mutually agreed between Owner site & Bidder) specified by the individual station where the Bidder may choose to send their representative to witness the sampling and analysis.
- 2.7. The sampling of limestone shall be carried out as per IS 2109 and limestone chemical analysis shall be carried out as per IS 1760.
- 2.8. Limestone sample shall be collected from each truck received at Owner site on daily basis. The various sample collected on a particular day will be mixed thoroughly and 3 (three) composite sample packets will be prepared. One sample will be provided to Owner site for testing at plant lab, second sample shall be shared to Bidder & third sample will be kept as 'Reserved sample' with Owner. In case of any dispute, the third sample 'Reserved sample' shall be tested with Authorised Testing Lab which should be acceptable to both Owner and Bidder.
- 2.9. The physical and chemical composition of the Limestone on receipt at site will be inspected and tested by OWNER/ OWNER appointed Third party agency. The payment will be made only if the materials comply with the specification as per the analysis carried out at site. If Bidder representative chooses not to involve in the sampling and testing process, result of analysis by Owner station will be binding for acceptance.
- 2.10. In the event of any conflict between the codes and the standards referred to in the specification and for the requirements indicated in the specification, the more stringent of the two will govern.
- 2.11. All required permit, license, approvals etc as required from relevant authorities for bringing limestone to PPGCL site either by road or rail transportation shall be in Bidder scope.

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- 2.12. Bidder shall have to abide by the guidelines of the Central Government/ State Government and ensure its compliance. All applicable safety norms to be followed by Bidder while handling, transportation, unloading and stacking of limestone.

3. PRICE ADJUSTMENT MECHANISM

Price adjustment formulae shall be applied to control the Limestone quality as mentioned below:

- i. If CaO content is $\geq 51\%$. Hence, No deduction.
- ii. If CaO content is below 51% up to 45%, 20% of the total cost (Basic + freight) will be deducted from the payment for that lot.
- iii. If CaO content is below 45%, 50% of the total cost (Basic + freight) will be deducted from the payment for that lot.
- iv. If any deviation as mentioned at (ii) or (iii) above happens three times during any period of three months, the contract to be cancelled.
- v. In case of cancellation of a contract that vendor shall be disqualified for participation in the upcoming tender for a period of one year for that station.