



OWNER:

MAITHON POWER LIMITED

PROJECT MANAGER:

MAITHON POWER LIMITED

PROJECT:

Procurement of Agro based Biomass at Maithon Power Limited (MPL), Jharkhand - India

TENDER REF: MPL/MMD&IMD/RK/2026-27/ 1000080918

EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: - TENDER REF: MPL/MMD&IMD/RK/2026-27/ 1000080918
Procurement of Agro based Biomass at Maithon Power Limited (MPL), Jharkhand - India
Type of Bidding: E-tendering / Two Part
Contact Details: Mr. Rabish Kumar- Group Head - Contracts, Email Id: krabish@tatapower.com. Ms. Jayashree Choudhury - Head Contracts & Materials, Email Id: choudhuryj@tatapower.com. Maithon Power Ltd., (A Joint Venture Company of Tata Power & DVC), Works: Village Dambhui, P.O. Barbendia, P.S. Nirsa, District Dhanbad 828 205, Jharkhand, India.

Maithon Power Limited ("Owner") invites Expression of Interest (EOI) from interested parties for the Two-Part e-Tendering Process of following Relevant Package:

Plant Details	Description	Tender Fee	Bid Security (EMD)
2X525 MW Maithon Power Limited (MPL), Dhanbad, Jharkhand	Procurement of Agro based Biomass at Maithon Power Limited (MPL), Jharkhand - India	INR 2,000/-	Rs 200000/-

INTRODUCTION:

Maithon Power Limited (MPL) is a 74:26 joint venture of The Tata Power Company Limited and DVC (Damodar Valley Corporation). MPL owns and operates 2x525 MW capacity, Indian coal based thermal power generation plant based on pulverized coal-based boiler technology. The generating plant is in Maithon near the city of Dhanbad in the state of Jharkhand in India. A brief overview of Owner and Site is given below:

Site Name	2 X 525 MW Maithon Thermal Power Plant
Owner	Maithon Power Limited
Project Manager	Maithon Power Limited
Site Location	Maithon, Dhanbad district, Jharkhand, India, on the right bank of the river Barakar in the Nirsa-cum-Chirkunda C.D. Block of Dhanbad district, Jharkhand at a road distance of about 7.5 km from Nirsa, North of G.T. Road (N.H.2) and 10 km north of Mugma railway station on the Howrah Mughalsarai Grand Chord line of the Eastern Railway. ➤ Latitude: 23 deg 49' - 38" N ➤ Longitude: 86 deg 45' - 41" E
Elevation Above Mean Sea Level	156 m to 177 m above Mean Sea Level
Access to Site	➤ Road: About 7.5 km north of G.T. Road Nearest town is Nirsa ➤ Rail: Nearest Railway station – Mugma railway station.

1. TENDER FEE & TIMELINES:

- a) Interested parties meeting the pre-qualification criteria specified in this document can request for Bid Document and participate in the bidding process by submitting their Expression of Interest (EOI) and credentials along with the Tender Fee not later than specified date. Request for Bid Document/EOI will not be entertained beyond the deadline may be liable for rejection.
- b) Non-Refundable Tender Fee, as indicated in table above, in the form of direct deposit in the following bank account and submit the receipt/proof of payment to the mailing addresses provided, clearly indicating the Tender Reference number, and covering note.

Details for payment of Tender Fee:	
Bank details for submitting Tender fees through bank transfer / NEFT:	Beneficiary Name – Maithon power Limited Bank Name – State Bank of India Branch Name – CAG, Mumbai (09995) Address – Neville House, 23 J. N. Heredia Marg, Ballard Estate, Mumbai-400001 Branch Code –09995

	Account No – 00000031828734113 Account type – CC IFSC Code – SBIN0009995
Deadline for tender fee payment and submission of EOI:	01st Oct 2026

It may please be noted that all future correspondence will be strictly done only with Interested Bidders who have done the above steps in time with Authorized Person only through MPL E-Tender System.

c) 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.

2. BIDDER PRE-QUALIFICATION CRITERIA:

Interested parties to note that Bidder shall be required to fulfill the following conditions and submit relevant supporting documents for each of the following criteria along with the Bid. 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.

REQUEST FOR QUOTATION (RFQ)

BID terms and condition:

Buyer: Maithon Power Limited (MPL)

Tenure: The delivery for material shall be within 60 days from issuance of the work order.

Quantity: 2000 MT of agro based Biomass

Bidder to accordingly quote firm quantity & price for 2000 MT to be delivered during the said period at MPL yard inclusive of stacking at designated place.

Payments shall be made in four instalments (1st instalment- supply of first lot of 500 MT, 2nd instalment- supply of 2nd lot of 500 MT, 3rd instalment- supply of 500 MT & 4th lot of 500 MT). Accepted quantity shall be lower of supplier weight and weight at MPL weigh bridge.

Biomass Spec: Non-torrefied pellets: *3400≤GCV≤4000

Price Basis: Bidders are required to submit the price offer on DAP MPL coal yard road in the “Price Bid” format as attached in Annexure 1.

Bid Evaluation: Bids shall be evaluated on lowest Landed Energy Price (as per calculation: details provided in Price Bid Format). Payment shall be made based on delivered energy price basis i.e., the Landed Price per MT indicated in Price Bid Format shall be on the basis of the quoted GCV and shall be pro-rated to the actual delivered GCV to be measured at MPL site determined by an independent inspection agency.

Price Variation: Bidders shall quote firm price for supply of biomass for the specified quality. The price shall be adjusted on the following basis as per the actual quality received:

a) Adjusted Price = Agreed Price per MT * Actual delivered GCV (ARB) / Guaranteed GCV as per Price Basis.

b) Moisture Correction = INR 100/ per MT for every 1% higher moisture than guaranteed.

The Guaranteed Parameter shall be as per the agreed specifications against the agreed DAP Price. The above corrections are applicable subject to the biomass within the acceptable quality range and not falling in rejection criteria limited to 4000 kcal/kg (ARB). Biomass if supplied < 3000 kcal/kg (ARB) shall be rejected and no payment shall be made. In addition, party has to get the **rejected** material evacuate within 15 days. MPL shall not be responsible for any loss in quantity for whatsoever reason.

Payment Terms: Payment shall be made in four instalments (1st instalment- supply of first lot of 500 MT, 2nd instalment- supply of 2nd lot of 500 MT, 3rd instalment- supply of 500 MT & 4th lot of 500 MT) within 60 days of the receipt of commercially clear and error free invoices for the respective lots for the accepted quantity.

Freight: To be arranged by the Seller till delivery to MPL site (DAP basis).

Bid Submission Due Date: As stated in Ariba event

Bid Validity: 60 days from the date of bid submission

Pre-Qualification Requirement (PQR):

The bidder shall fulfil the following criteria's and submit relevant supporting documents along with the Bid for each of the following: A. Technical:

1. Quality Parameters: The bidder shall indicate the quality of biomass (non-torrefied). Bidder may be asked additional information to access usability of the biomass in the plant and MPL reserves its rights to accept / reject the offer without giving any explanation.

2. Production/Operational Capability:

I. Bidder should have proven similar experience in supplying of biomass of 1000 MT to other power houses under road or rail mode in last two financial years (FY-2024-2025, FY-2025-2026).

II. If the bidder is a trader, then the Bidder should submit undertaking/ authorization from the manufacturer from whom they intend to supply the biomass. And they should have similar supplying experience as explained in point no 2.1

B. Financial

The bidder shall have adequate financial resources to execute the proposed contract concurrently along with their other commitments and shall meet the following conditions:

Bidder shall have an Average Annual Turn Over of not less than 2.0 crore per annum during the any of last three financial years (FY-2023-2024, FY-2024-2025 & FY-2025-2026). C. Documents to submitted for supporting PQR:

i. Details of the raw material being used in biomass pellets

ii. In case of trader / representative of producer submitting the EOI, Off-take agreement / MoU/ authorization / undertaking with producer.

iii. Contract / PO copes for similar experience (min. 01 no. reference case in last 3 years) of delivering coal on DAP India Site basis.

iv. Audited copies of pro it and loss account (P&L) and Balance sheet for the last two preceding financial years along with the Bid. In cases, where audited results for the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant or Audit firms shall also be considered acceptable.

Scope of work:

1. The scope of bidder shall include manufacture, supply, loading, transport and delivery of non-torrefied biomass pellets at 525*2 MW coal based thermal power plant of M/s Maithon Power Limited (Owner) located at Nirsa, Dhanbad.
2. The scope includes unloading of biomass at MPL coal yard and staking at a designated place in MPL coal yard.
3. The bidder shall supply the pellets in loose form in the carriage vehicle (closed covered containers/self-unloading trippers) and these shall be unloaded in the power plant at the area identified by the owner for this purpose.
4. The biomass pellets supplied shall primary be made of agro residue and these shall adhere to the technical requirements indication in specifications.
5. Quantity: Supply of 2000 MT of Biomass for utilization along with coal in MPL units on trial basis. 2000 MT -Delivery to be completed in on earliest as stated in bid terms. This may be modified as per MPL's requirement.

6. Quality of Biomass [on GCV destination Basis]

Technical specifications:

Annexure 1:

Sr. No.	Technical data	Unit	Guaranteed value
1	Base Material	-	Agro residue/crop residue
2	Diameter	mm	Not more than 25 mm
3	Length	mm	Not more than 50 mm
4	Bulk density	Kg/m ³	Not less than 600 Kg/m ³
5	Fines (length < 3 mm) (ARB*)	Weight %	Fines ≤5%**
6	Gross calorific value (ARB*)	kcal/kg	Non-torrefied pellets: 3400
7	Moisture (ARB*)	Weight %	Not more than 9%
8	Ash Weight (ARB*)	Weight %	Not more than 20%
9	Hardgrove Grindability Index	-	50 or more
10	Particle size distribution ^{\$\$} (After crushing and pulverising in site lab pulverizer)	Weight %	Passing proportion from 2mm mesh size sieve: ≥75% Passing proportion from 3mm mesh size sieve: =100%
11	Price (DAP): Non-torrefied pellets	Rs/MT	
12	Mode	Road	
13	Energy cost: Formula- Laded cost of biomass*1000/GCV (arb)	Rs/Mkcal	

*ARB- As received basis

** Assessment of Fines shall be as per durability test of pellets.

\$ Applicable for torrefied pellets.

\$\$ Applicable for non-torrefied pellets.

Acceptable quality range of key parameters (on as received basis) with price adjustment:

Annexure II:

Sr. No.	Technical data	Unit	Acceptance range with pro-rata price adjustment
1	Gross calorific value (ARB*)	kcal/kg	Non-torrefied pellets: * GCV: $3400 \leq \text{GCV} \leq 4000$
2	Gross calorific value (ARB*)	kcal/kg	GCV: <3000 Kcal/Kg (arb) shall be rejected as per clause of price variation
3	Gross calorific value (ARB*)	kcal/kg	GCV: ≥ 4000 Kcal/Kg (arb), Adjusted Price calculation is limited to 4000 Kcal/kg (ARB) only.
4	Moisture	Weight %	$9\% < \text{Moisture} \leq 14\%$
5	Ash	Weight %	Ash $\leq 20\%$
6	Fine% (Length <3 mm)	Weight %	Fine $\leq 5\%$
7	Particle size distribution ^{\$\$} (After crushing and pulverizing in site lab pulverizer)	Weight %	Passing proportion from 2mm mesh size sieve: $\geq 75\%$ Passing proportion from 3mm mesh size sieve: =100%