

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Government of West Bengal Enterprise)
CIN : U40104WB1985SGC039154

Registered & Corporate Office:
Bidyut Unnayan Bhaban,
Block - LA, Plot No. 3/C,
Sector-I I I, Salt Lake City,
Kolkata – 700106



NOTICE INVITING “EXPRESSION OF INTEREST (EOI)”
FOR
Supply and Delivery of Biomass Pellets at thermal power plants of WBPDC

EOI NOTICE NO. WBPDC/CORP/M&C/EOI/Biomass/22-23/33 Dtd. 07.04.2022

The West Bengal Power Development Corporation Ltd. (WBPDC) intends to utilize Biomass Pellets Co-firing along with coal at two of its Power Stations, One at Sagardighi Thermal Power Project (SgTPP) (2x300 MW+2x500MW), P.O.- Manigram , District -Murshidabad, West Bengal Pin-742237 and other Power station at Bakreswar Thermal Power Station, BkTPP (5 x 210 MW) P.O.- BkTPP , District Birbhum Pin-731104 .

For this purpose, WBPDC invites Expression of Interest (EOI) from the interested, established and reputed Biomass Pellets Manufacturers / Supplier who are manufacturing and supplying Biomass pellets to different power stations of India. WBPDC will enter into agreement for procurement of Biomass Pellets of specified quantity with the successful bidder on certain terms and conditions. The exact period of agreement and exact terms and conditions will be communicated later during the tender phase. **The party shall source the raw materials from the state of West Bengal or adjacent states like Bihar, Jharkhand or Odisha.**

Interested parties are requested to refer the terms and conditions as laid down under “Information to the interested parties” of this notice and submit their EOI as per Annexure-I within **27.04.2022 at 15:00 hrs** at the office of the GM (M&C), Corporate ,WBPDC The details may be submitted in sealed envelopes as per the format. It may be noted that submission of EOI does not in any way constitute any kind of commitment on the part of WBPDC.

For more details necessary correspondences have to be made with :

Ipsita Chaudhuri, Manager, M&C, Corporate Office, WBPDC

Address : 6th floor, Bidyut Unnayan Bhaban , Plot 3/C, LA block, Saltlake-III, Kolkata-106

Contact : 033-23393625/9830616477

Email : managemnc21@gmail.com

Expression of Interest (EOI) has to be submitted on or before 27.04.2022.

INFORMATION TO THE INTERESTED PARTIES

1) Intent of the EOI

- 1.1) After completion of the EOI process, **tender on the respective job** (Supply of Biomass Pellets along with transportation) will be floated with specific scope and terms and conditions. Shortlisted bidders of EOI process will be allowed to participate in the tender process subject to fulfillment of tender eligibility criteria.

2) Scope of work

- 2.1) Successful bidder will be responsible for supplying the specified quantity of agro residue based Biomass Pellets during the contract period. Contract will be valid for six months from the date of letter of award. The scope of work under this package shall include supply, loading, transportation, and delivery of Biomass Pellets (Non- torrefied/ Torrefied) at the Power plant as per the guaranteed parameters mentioned in table under 2.7 of the this EOI document.
- 2.2) Biomass pellets have to be delivered at the sites, viz. Sagardighi Thermal Power Plant (SgTPP) and Bakreswar Thermal Power Station (BkTPP) of WBPDCCL from the manufacturing Units. Transportation arrangement will be fully under the scope of Supplier/Manufacturer. The consignment of Biomass Pellets shall be delivered at respective thermal power plant by covered Trucks/ Dumper with arrangement of waterproof cover and these shall be unloaded within the power plant at the area identified by WBPDCCL Site for this purpose.
- 2.3) **Every participating bidder should indicate the price of Biomass pellets and transportation cost separately in their EOI.** The distance of manufacturing units or sourcing point from the plants to be mentioned in offer.
- 2.4) Transportation of Biomass Pellets have to be done through covered truck /Vehicle only. Sufficient measure to be taken during transportation so that no water ingress happens during transportation. Water ingress or quality degradation arising out during transportation, if any, will lead to cancellation of Lot and WBPDCCL decision will be Final in this regard.
- 2.5) WBPDCCL will specify delivery schedule and supplier shall dispatch the consignment accordingly on daily/weekly basis. In case of award, the supplier shall start delivery of material within 30 days from the date of issuance of Lol/Letter of Award. **WBPDCCL may review the delivery clearance based on the readiness of equipment at site of WBPDCCL.**
- 2.6) Any short fall in supplying Biomass Pellets of agreed quantity for consecutive three months will attract penalty as per terms and condition of tender.
- 2.7) The manufacturer/ supplier will guarantee the technical parameters of biomass pellets as given in the **Table 1 : (Comprising both non-torrefied/ torrefied)**

TABLE 1 : TECHNICAL PARAMETERS OF BIOMASS PELLETS

Sl. No.	Technical parameter	Unit	Guaranteed value range
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:3500±100 Torrefied pellets:4500±100
7.	Moisture (ARB*)	Weight %	Not more than 9%
8.	Ash (ARB*)	Weight %	Not more than 20%
9.	Hardgrove Grindability Index(HGI) ^{\$}	-----	50 or More
10.	Particle size distribution ^{\$\$} (Aftercrushing and pulverizing at site lab pulverizer)	Weight %	Passing proportion from 2 mm mesh size sieve: ≥ 75%. Passing proportion from 3 mm mesh size sieve: =100%.

*ARB – As Received Basis

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

\$ Applicable for torrefied pellets.

\$\$ Applicable for non- torrefied pellets.

In case consignment of biomass pellets does not meet the guaranteed parameters for GCV, moisture content, ash content and fines%, and beyond the limit specified in Table above then the variation shall be rationalized as per Price and Quantity Adjustment formula which will be provided during the tender.

Tentative quantity of Biomass Pellets to be supplied to SgTPP and BkTPP Plants of WBPDCCL are as under: -

Sl. No.	Description of Item	Indicative Quantity [to be supplied in Tonnes per day (TPD)]	Total Qty. (Tonnes), For Six Month supply
1	Agro residue-based Biomass pellets	For SgTPP 500 MW unit: 560 MT per day. For BkTPP 210 MW unit: 230 MT per day	For SgTPP:1,00,000MT. For BkTPP: 42,000MT

Note: The daily requirement estimated above is indicative only and may change based on the actual plant load factor and requirement of the Power plant.

2.8) Final testing of the biomass pellets will be done at Plant Laboratory and that result is final and acceptable to both seller and buyer.

ANNEXURE –I

SUBMISSION OF EOI FOR SUPPLY AND DELIVERY OF BIOMASS PELLETS TO BAKRESWAR THERMAL POWER STATION AND SAGARDIGHI THERMAL POWER PROJECT OF THE WBDCL

(To be printed on the letter head of the interested party/agency and duly signed and stamped)

[This EOI form supported by respective documentary evidence, duly filled , signed and sealed in original is to be submitted to the office of GM(M&C), Corporate, WBDCL within 27.04.2022 at 15:00 hrs]

To
The General Manager (M&C) ,
Corporate , WBDCL

Dear Sir,

We are interested for supply and delivery of “ **BIOMASS PELLETS FOR BAKRESWAR THERMAL POWER STATION AND SAGARDIGHI THERMAL POWER PROJECT OF THE WBDCL**” . We have gone through the intent of the EOI and scope of the work as detailed in the notice of inviting the EOI.

The following are the details of our firm which are supported by documentary evidence:

Name of the Company /firm	
Registered office address and contact details	
Name and designation of authorized signatory for this EOI	
Address for communication of authorized signatory with contact details	
Details of business owned by the company/firm	
Organization details CIN GSTIN PAN PF Account No. ESI code Shareholding pattern MSME(if applicable)	
Location of the manufacturing units	
Production capacity of the manufacturing units	
The distance of manufacturing units or sourcing point from i) BkTPP,WBDCL & ii) SgTPP,WBDCL	
Deliverable quantity in MT	
Type of pellets offered : Torrified / Non torrified (please specify)	
Mode of transportation (preferred)	
Average Annual Turnover of last three financial years (as per Audited Balance Sheet and Profit & Loss account of FY,FY, FY which are duly certified by Chartered Accountant with sign and seal).	

We are submitting **our indicative plan** alongwith **budgetary offer** for supply and delivery of **BIOMASS PELLETS FOR BAKRESWAR THERMAL POWER STATION AND SAGARDIGHI THERMAL POWER PROJECT OF THE WBDCL**.

SEAL OF COMPANY

Name :Designation :

Authorized Signature, Name & Designation