

Tender Document for Supply of Biomass Pellets to Adhunik Power & Natural Resources Limited

For Period: FY 26-27

Tender No: APNRL/Coal Procurement and Logistics/26-27/009

Adhunik Power and Natural Resources Limited

Village: Padampur, Behind: P.G.C.I.L. Substation, Saraikela – Kharswan, Jharkhand- 832402

1. Introduction:

Adhunik Power & Natural Resources Limited (hereinafter referred to as APNRL or “the Company”) requires assured, continuous, and quality-compliant supply of biomass pellets to sustain efficient co-firing operations and comply with regulatory requirements for thermal power generation.

To achieve this, APNRL intends to engage competent, experienced, and financially sound agencies (hereinafter referred to as the “Supplier”) for the supply of biomass pellets to its thermal power plant located at Padampur, District Saraikella-Kharswan, Jharkhand.

The objective of this engagement is to ensure systematic, reliable, and timely supply of biomass pellets—primarily derived from agro-residue—with consistent quality, for blending in the range of 5% to 10% with coal, in line with Ministry of Power (MoP) guidelines dated 8th October 2021. The Supplier shall ensure adherence to specified technical parameters, delivery schedules, statutory provisions, environmental norms, and safety standards throughout the contract period.

2. Scope of Supply:

The scope of the Supplier shall include, but not be limited to, the following:

Procurement & Production

- Sourcing of biomass pellets primarily derived from agro residue (such as paddy straw, mustard husk, sawdust, etc.).
- Ensuring pellets are manufactured using suitable processes to achieve consistent quality and combustion efficiency.

Transportation & Delivery

- Arrangement of transportation on FOR (Free on Road) / door-delivery basis to APNRL plant.
- Safe loading, transit, and unloading of biomass pellets at designated unloading points within the plant premises.
- Compliance with all applicable transport regulations, including statutory permits and documentation.

Scheduling & Supply Management

- Supply of biomass pellets strictly as per delivery schedule provided in Point No 3.
- Ensuring uninterrupted and consistent supply to meet daily consumption requirements.
- Maintaining buffer stock at Supplier’s end to avoid supply disruptions.

Quality Assurance

- Ensuring supplied biomass pellets meet specified technical parameters (to be detailed in tender), including but not limited to:
 1. Calorific Value (GCV)
 2. Moisture Content
 3. Ash Content
 4. Pellet Size & Density
- Submission of quality test certificates with each consignment.
- Acceptance of third-party or plant-level sampling and testing.

Handling & Loss Control

- Ensuring minimal transit loss, spillage, or degradation of material.
- Proper packaging/covering of material during transportation to prevent moisture ingress and contamination.

Statutory & Environmental Compliance

- Compliance with all applicable laws, including environmental regulations, pollution control norms, and labour laws.
- Adherence to MoP guidelines for biomass co-firing.

Delivery & Unloading

- Delivery shall be made at APNRL plant site at Padampur.
- Unloading shall be carried out at designated locations as instructed by APNRL.
- The Supplier shall coordinate with plant officials for smooth unloading and stacking.

Measurement & Weighment

- Quantity shall be measured on a weighbridge at APNRL plant or designated weighbridge.
- The Plant GRN shall be final for billing purposes, subject to applicable deductions (if any).

Trial & Performance Evaluation

- Initial supply of 500 MT shall be treated as a trial phase.
- Performance evaluation shall be based on:
 1. Quality compliance
 2. Timely delivery
 3. Consistency of supply
 4. Operational suitability for co-firing
- Upon successful completion of the trial, APNRL may award a long-term contract for bulk supply.

Risk & Responsibility

- The Supplier shall bear full responsibility for the material until successful delivery and acceptance at APNRL site.
- Any loss, damage, or deterioration during transit shall be to the Supplier’s account.

Coordination & Reporting

- The Supplier shall designate a responsible coordinator for day-to-day operations.
- Regular updates regarding dispatch, transit, and delivery status shall be provided to APNRL.

Compliance & Safety

- All operations shall be carried out in compliance with APNRL safety standards.
- Vehicles and personnel entering the plant premises must adhere to safety protocols and PPE requirements.

3. Qty Requirement:

Power Station /Supply Location	Estimated Quantity Requirement / Delivery Schedule
Adhunik Power & Natural Resources Ltd. Village: Padampur, Behind: P.G.C.I.L. Substation. Saraikela – Kharswan, Jharkhand -832402	<ul style="list-style-type: none"> ▪ Total Qty for trial (this tender) in MT =500 MT ▪ Post Successful Trial, Total Qty for 1Year (365 days) more than 1,50,000 MT ▪ Minimum Quantity of 400 TPD

4. Quality Requirement:

- Bidder can supply only one type or combination of both Torrefied and Non-Torrefied as per the specification. The bidder shall quote the price for pellets and its GCV (ARB*). The pellets shall adhere to the technical specification given in following table and bidder shall submit declaration as per the Annexure – 1.
- However, any variation in GCV or Percentage of fines beyond the limit specified in technical specification shall be rationalized as per Price and Quantity Adjustment formula as given in the following clauses of this specification.

Table: 1 Technical specification for Biomass pellets (non-torrefied/ torrefied).

Serial No	Technical Data	Unit	Specifications of Pallet
1	Base material		Agro residue / Crop residue (Wood based pellets will not be acceptable)
2	Diameter**	Mm	<ul style="list-style-type: none"> • Not more than 25 mm • No other dimension should exceed 35mm
3	Bulk density	kg/m3	Not less than 600 kg/m3
4	Fines % (Length < 3 mm) (ARB*)	Weight %	Fines ≤ 5%
5	Gross calorific value (ARB*)	kcal/kg	Non- torrefied pellets: Not less than 3000 Torrefied pellets: Not less than 3400

6	Moisture (ARB*)	Weight %	9 % - 14 %
7	Ash (ARB*)	Weight %	Not more than 20%
8	Hard grove Grindability Index ^{\$} (HGI)		50 or more
9	Particle size distribution ^{\$\$} (After crushing and pulverizing in site lab pulverize)	Weight %	Passing proportion from 2 mm mesh sizesieve: ≥ 75% Passing proportion from 3 mm mesh size sieve: =100%
10	Chlorine	Weight %	Not more than 0.5
11	Sulphur	Weight %	Not more than 0.2

*ARB – As Received Basis

\$ Applicable for torrefied pellets.

\$\$ Applicable for non- torrefied pellets.

Note: During contract period, diameter of pellets may be revised/modified based on result of test firing on mutual consent basis without any financial/cost implication to either APNRL or supplier.

- Base material for pellet manufacturing shall be agro residue which means the leftover portion of the agriculture produce such as stubble/straw/stalk/husk of those agro residue which are surplus and not being used as animal fodder such as paddy, soya, arhar, gwar, cotton, gram, jawar, bajara, moong, mustard, seasam, til, maize, sunflower, jute, coffee etc., groundnut shell, coconut shell, castor seed shell etc., pine needle, elephant grass, sarkanda (Munj Grass craft) and horticulture waste such as dry leaves and trimmings generated during the maintenance and pruning of trees and plants.
- Agro residue-based biomass pellets can be manufactured by mixing single or multiple base material together.
- Mixing material such as byproduct of woodwork factory such as wood chips, saw dust, furniture waste etc., bagasse, press mud, molasses, bamboo dust or natural additives/binder such as lignin, starch, and animal dung may also be used with agro residue in limited proportion to enhance material properties and same shall be explicitly mentioned by supplier in consignment details.
- Wood obtained from tree cutting shall not be treated as agro residue and shall be not to be used as base material or mixing purpose whatsoever.
- APNRL reserve the right to exclude any Base material/ Mixing material/additive/ binder or modify their proportion, if any adverse impact of the Base material/ Mixing material/additive/binder is found on boiler in long run.
- Bidder shall quote proposed Biomass pricing on basis of "INR/Mkcal" (GCV on ARB Basis) including Biomass cost, applicable taxes/duties/cess GST etc. Actual payment shall be made based on Basic Biomass Price "INR/MT" (Considering GCV) calculated based on the actual quantity of Biomass received at Unloading Point and Unloading Point GCV as measured in line with the specified provision. Bidder shall in his quote give clear break-up of the Basic Price of Biomass, GST and all other taxes, duties, cess etc. as applicable and also indicated the total landed cost of Biomass including all taxes and freight etc. Any taxes, duties, cess etc. not mentioned in the bid shall be deemed to be included in the basic price of Biomass.

➤ **Non-torrefied Biomass:**

- a. **Price Variation for Quoted GCV:** Based on the Base material and Mixing material as per technical specification, Bidder is required to quote GCV value of biomass in Kcal/Kg for non-torrefied pellet within the range as mentioned below Minimum Limit- 3000 Kcal/Kg

Supplier shall supply the agro residue based non torrefied biomass pellets of GCV not less than 2800 kcal/kg. Price shall be adjusted for GCV variation of supplied material as below:

For GCV (ARB) >= 3000 Kcal/Kg [For GCV more than or equal to 3000 Kcal/Kg]

Upward pro-rata price adjustment shall be made for GCV variation of supplied material as per following formula: -

$$\text{Adjusted FOR price} = \frac{[\text{Quoted FOR price} \times \text{Actual GCV (ARB)}]}{\text{Quoted GCV (ARB)}}$$

Note: FOR (Freight on Road shall be referred as FOR) Price: FOR Destination Price

The downward GCV variation from Minimum limit, pro-rata price adjustment shall be done for GCV variation of supplied material as per following formula:

For GCV 3000 Kcal/Kg > GCV => 2800 Kcal/Kg [For GCV less than 3000 Kcal/Kg AND more than or equal to 2800 Kcal/Kg]

$$\text{Adjusted FOR price} = 0.75 \times \frac{[\text{Quoted FOR price} \times \text{Actual GCV (ARB)}]}{\text{Quoted GCV (ARB)}}$$

In case of GCV (ARB) is less than 2800 kcal/Kg, no payment shall be made for already delivered and consumed material of GCV less than 2800 Kcal/kg.

Note: In case, supplier is found to frequently supply the material of GCV less than 3000 Kcal/Kg or found to take deviations in other technical parameters, warning letter shall be issued to supplier.

However, if material is supplied below 3000 Kcal/Kg in more than 3 (Three) instances during the contract even after issuing warning letter then Contract shall be liable for cancellation. Material supplied of GCV less than 2800 Kcal/Kg is liable for rejection and no payment shall be made for already being delivered and consumed.

- b. Price Variation for Quoted GCV:** If consignment of biomass pellets does not meet the guaranteed parameter for moisture (ARB) but is within the acceptance limit as given in Table above, the consignment shall be accepted but with pro rata quantity adjustment (weight correction) as calculated using following formula:

Weight correction factor on account of moisture (M):

$$M = \frac{\{100 + X - \% \text{ Moisture (ARB)}\}}{100}$$

Where X is the lower moisture percentage limit as per specification = 9%. Weight correction on account of moisture (ARB) shall be done only if it lies in range of 9% < Moisture (ARB) ≤ 14%.

For moisture (ARB) less than or equal to 9%, no weight correction shall be done.

For more than 14% of moisture (ARB) the consignment of biomass pellets shall be rejected.

- c. Quantity Adjustment for Ash:** If consignment of biomass pellets does not meet the guaranteed parameter for moisture (ARB) but is within the acceptance limit as given in Table above, the consignment shall be accepted but with pro rata quantity adjustment (weight correction) as calculated using following formula:

Weight correction factor on account of ash (A):

$$A = \frac{\{100 + Y - \% \text{ Ash content (ARB)}\}}{100}$$

Where Y is the Ash percentage as per specification (Not more than 20%.)

Weight correction on account of ash content will be done only when ash content (ARB) of biomass pellets is more than 20%. For ash content (ARB) less than or equal to 20%, no weight correction shall be done.

- d. **Corrected Weight of the Consignment:** If W is the weight of consignment supplied, then final corrected weight on account of both moisture and ash corrections shall be calculated as below:

$$W_{corrected} = W \times M \times A$$

Where, M= Weight correction factor on account of moisture
(M)A = Weight correction factor on account of ash (A)

The corrected weight ($W_{corrected}$) of the consignment and adjusted price for GCV of the biomass pellets as worked out above shall be considered for the payment to be made to the supplier.

- e. **Recovery on Account of Excess Fines in Consignment:** Biomass dust, crushed/ broken/ damaged pellets of length less than 3 mm in consignment as received at APNRL's power plant shall be treated as fines and there shall be recovery on account of excess fines (ARB) if it is beyond 5%. The recovery on account of excess fines shall be worked out as per the following formula:

$$\text{Recovery} = \frac{1}{4} \times (\text{adjusted price of biomass pellets}) \times W_{corrected} \times \text{Excess weight \% of fines}$$

This amount shall be recovered from the payment of that consignment.

➤ **Torrefied Biomass:**

- a. **Price Variation for Quoted GC:** Based on the Base material and Mixing material as per technical specification, Bidder is required to quote GCV value of biomass in Kcal/Kg for torrefied pellet within the range as mentioned below

Minimum Limit- 3600 Kcal/Kg

Supplier shall supply the agro residue based on torrefied biomass pellets of GCV not less than 3400 kcal/kg. Price shall be adjusted for GCV variation of supplied material as below:

For GCV(ARB) >= 3600 Kcal/Kg [For GCV more than or equal to 3600 Kcal/Kg]

Upward pro-rata price-

$$\text{Adjusted FOR price} = \frac{[\text{Quoted FOR price} \times \text{Actual GCV (ARB)}]}{\text{Quoted GCV (ARB)}}$$

FOR Price: FOR Destination Price-

For Torrefied Biomass the downward GCV variation from Minimum limit, pro-rata price adjustment shall be done for GCV variation of supplied material as per following formula:

For GCV 3600 Kcal/Kg > GCV = > 3400 Kcal/Kg [For GCV less than 3600 Kcal/Kg AND more than or equal to 3400 Kcal/Kg]

$$\text{Adjusted FOR price} = 0.75 \times \frac{[\text{Quoted FOR price} \times \text{Actual GCV (ARB)}]}{\text{Quoted GCV (ARB)}}$$

Note: In case, supplier is found to frequently supply the material of GCV less than 3600 Kcal/Kg or found to take deviations in other technical parameters, warning letter shall be issued to supplier.

However, if material is supplied below 3600 Kcal/Kg in more than 3 (Three) instances during the contract even after issuing warning letter then Contract shall be liable for cancellation. Material supplied of GCV less than 3400 Kcal/Kg is liable for rejection and no payment shall be made for already delivered and consumed.

- b. Weight Correction for Quoted Moisture:** If consignment of biomass pellets does not meet the guaranteed parameter for moisture (ARB) but is within the acceptance limit as given in Table above, the consignment shall be accepted but with pro rata quantity adjustment (weight correction) as calculated using following formula:

Weight correction factor on account of moisture (M):

$$M = \frac{100 + X - \% \text{ Moisture(ARB)}}{100}$$

Where X is the lower moisture percentage limit as per specification = 9%.

Weight correction on account of moisture (ARB) shall be done only if it lies in range of 9% < Moisture (ARB) ≤ 14%

For moisture (ARB) less than or equal to 9%, no weight correction shall be done.

For moisture (ARB) more than 14%, the consignment of biomass pellets shall be rejected

- c. Quantity Adjustment for Ash:** If consignment of biomass pellets does not meet the guaranteed parameter for moisture (ARB) but is within the acceptance limit as given in Table above, the consignment shall be accepted but with pro rata quantity adjustment (weight correction) as calculated using following formula:

Weight correction factor on account of ash (A):

$$A = \frac{100 + Y - \% \text{ Ash content(ARB)}}{100}$$

Where Y is the Ash percentage as per specification (Not more than 20%).

Weight correction on account of ash content will be done only when ash content (ARB) of biomass pellets is more than 20%. For ash content (ARB) less than or equal to 20%, no weight correction shall be done.

- d. Corrected Weight of the Consignment:** If W is the weight of consignment supplied, then final corrected weight on account of both moisture and ash corrections shall be calculated as below:

$$W_{\text{corrected}} = W \times M \times A$$

Where,

M= Weight correction factor on account of moisture (M)

A = Weight correction factor on account of ash (A)

The corrected weight ($W_{\text{corrected}}$) of the consignment and adjusted price for GCV of the biomass pellets as worked out above shall be considered for the payment to be made to the supplier.

- e. Recovery on Account of Excess Fines in Consignment:** Biomass dust, crushed/ broken/ damaged pellets of length less than 3 mm in consignment as received at APNRL's power plant shall be treated as fines and there shall be recovery on account of excess fines (ARB) if it is beyond 5%. The recovery on account of excess fines shall be worked out as per the following formula:

$$\text{Recovery} = \frac{1}{4} \times (\text{adjusted price of biomass pellets}) \times W_{\text{corrected}} \times \text{Excess weight \% of fines}$$

This amount shall be recovered from the payment of that consignment.

- 5. Rejection of Consignment:** The consignment of biomass pellets arrived at project site shall adhere to the technical specification. The Biomass Pellet's rejection criteria shall be as per the following Table. Moisture shall be tested at APNRL's Lab at Project site before unloading. Other parameters shall be furnished by the supplier before unloading of the material at APNRL's Project location and shall also be tested by APNRL at their Lab.

Technical data	Unit	Rejection Level
Moisture	Weight %	>14%
Ash	Weight %	>20%
GCV (Torrefied Pellets)	Kcal/kg	< 3400 **
GCV (Non-Torrefied Pellets)	Kcal/Kg	< 2800*
HGI	-	<48
Chlorine	Weight %	>0.5
Sulphur	Weight %	> = 0.25

** Material supplied of GCV less than 3400 Kcal/Kg is liable for rejection and no payment shall be made for already delivered and consumed.

* Material supplied of GCV less than 2800 Kcal/Kg is liable for rejection and no payment shall be made for already delivered and consumed.

6. **Testing Standard/ Method:** Biomass pellets sample shall be tested in the Project site lab as per following equivalent standard given in the Table:

Sr. No	Technical data	Testing Standard/Method
1	Diameter	ISO 17829 or equivalent method may be referred. Note: ISO 17829 refers for the Solid Biofuels —For the determination of length and diameter of pellets
2	Fines % (< 3 mm)(ARB)	ISO 18846 or equivalent method may be referred. Note: ISO 18846:2016 specifies a method for determining the amount of material passing through a sieve with 3, 15 mm diameter round hole.
3	Gross Calorific Value(ARB)	IS 1350 or equivalent method may be referred. Note: Indian Standard methods of test for coal and coke
4	Moisture (ARB)	IS 1350 or equivalent method may be referred/ Handheld moisture meters may also be used.

ARB – As Received Basis

Before unloading, samples shall be tested for moisture. However, the HGI report shall be submitted by the Supplier with each carriage vehicle/consignment at the time of supply.

7. **Sampling Methodology:**

- The biomass sample should be representative sample, means it should have pellets of all sizes (small, medium, large) etc. The collected sample should represent the truck/ consignment. For the purpose of rejection test before clearance for unloading, each truck/consignment shall be tested for moisture by APNRL.
- For testing of GCV and other technical parameters, single composite sample shall be prepared for all the consignments received in a day from a particular vendor. For avoidance of doubt, in case supply is from multiple vendors in a day, vendor-wise sample shall be prepared for all the consignment received in a day.
- The sample quantity of approximately 30 Kg is to be collected from each truck/consignment from 4-5 randomly selected spots on the truck top after removing biomass pellet layer of approximately 25-30 cm depth from the top. Approximately 5-6 kg of sample is to be collected from each spot.
- Five spots shall be selected for sampling of biomass pallet shall be decided by the APNRL depending upon the biomass pattern. Spot selection is not in vendor's scope.

8. For testing of moisture for rejection test for unloading clearance:

- For purpose of rejection test before unloading, samples shall be tested for moisture by APNRL.
- After collection of samples from the truck as stated above, thoroughly mix the pellet samples and collect approximately 1 Kg of representative sample for carrying out rejection test,
- If test result of sample collected from a truck/consignment meets Technical parameter criterion for moisture, then truck will be allowed for unloading, otherwise truck (Consignment) will be rejected if test result meets the rejection criterion as given in the rejection criteria section of this document and it shall be the supplier's responsibility to carry it back on his own cost.

9. For testing of GCV and other technical parameters:

Do the conning and quartering of the rest of the sample, till the sample quantity is reduced to 4-5 Kg as explained below:

Example: Suppose one collects 30 Kg sample from One truck and total no of trucks received in a day from a particular vendor is 'N' then the total pellet sample collected will be around '30N' Kg. 'N' can be 1,2,3 ...or so on. Prepare a cone (heap) of '30N' Kg and divide the cone from top to bottom and remove the half portion (left or right). Further, prepare the cone for remaining '15N' Kg of pellet and divide the heap and remove the pellet of side opposite to the side of previous removal. Now, the balance available qty of pellet is '7.5N' Kg and continue this process till the pellet sample is reduced to '4-5' Kg. The final laboratory sample shall be distributed as mentioned in this document for determination of GCV and other technical parameters.

10. Sampling and analysis at receiving end (Project site):

- Sampling shall be done by APNRL preferably in the presence of representative of the pellet supplier. The samples shall be collected and prepared as per Sampling methodology.
- The authorized representatives of APNRL and pellet supplier shall jointly witness the process of sample collection and preparation of the laboratory samples. The representatives shall put their signature on the sample tags in evidence of the process of sampling. Both- consumer (APNRL) and pellet supplier - shall also sign on the samples register maintained by the APNRL at the unloading end. In case representative of the pellet supplier is not present during sampling, then the sample tested by the APNRL, will be final and no dispute in this regard will be entertained.
- For recovery on account of excess fines, APNRL shall arrange for analysis of fines at APNRL site and fines proportion of biomass pellets shall be analysed at the receiving end. If fines percentage exceeds more than 5%, proportionate recovery shall be done for excess fine.
- The final laboratory sample shall be divided into 3 (three) parts.
 - Part 1: This Part of the sample is for analysis of GCV and other technical parameters by APNRL lab at site.
 - Part 2: This Part of the sample is to be handed over to the pellet supplier for its own analysis.
 - Part 3: This Part of the sample, called Referee sample, shall be sealed jointly, and shall be kept with APNRL under proper lock and key arrangement.
- The Reference sample shall be preserved for a period of 15 days from the date of sample collection. Mere absence of or failure of participation by any representative of pellet supplier shall not be a ground to negate the sampling process undertaken. APNRL shall communicate the Analysis Results of the sample within 7 Working-days of the sample collection to the pellet supplier. The pellet supplier may raise dispute, if any, within 07 (seven) days of the submission of the result by APNRL.
- In case of dispute is raised within the stipulated time, the Reference sample shall be analysed in a NABL accredited laboratory as notified by APNRL time to time, expense of which shall be borne equally by both APNRL and pellet supplier. Expense borne on supplier part shall be adjusted against payment to the supplier. NABL accredited laboratory report of referee sample shall be final and binding on both the parties. Dispute raised beyond the stipulated time shall not be entertained.
- To ascertain rejection parameter, APNRL test shall be sufficient and binding. Third party testing shall not be applicable for rejection of consignment.

11. Tagging of Consignment: Each consignment should be accompanied by general details (such as name of company/firm/agency, address, date of dispatch, batch number, vehicle type and number, weight of consignment etc.) and technical details.

12. Invitation of EOI:

APNRL invites EOI for Supply of Biomass Pellets on a **Rate per Metric Tonne (₹/MT) basis**, for an estimated annual quantity of approximately **1,50,000 MT (+/-), subject to variation.**

13. Bid Security:

- **Bid Security/EMD: ₹5,00,000/- (Five Lakhs Only)**
(For trial order: To be submitted either as Bank Guarantee/DD, at the BID stage and not with EOI)

14. Schedule for bidding process:

Sl. No.	Event Description	Date & Time
1	Tender Publication	19.03.2026
2	Last date and time of submission of Bids	17:30 Hrs on 27.03.2026
3	Opening of Technical & Financial Bid	28.03.2026

15. Submission of EOI:

Sealed tender document & tender fee payment details is to be submitted by the bidder by **27.03.2026**, 17:30 Hrs by Speed post/Registered post at the address mentioned below: -

Coal Procurement & Logistics

Adhunik Power & Natural Resources Ltd

Address: Ujala (Admin.) Building, Village Padampur, Behind P.G.C.I.L. Substation, Saraikela-Kharsawan, Jharkhand – 832402

Contact Person & No.-

Vishnu Bhattacharyya - +91-9810854367

Sajal Das - +91-9147006309

Bhubneshwar Mahato - +91-7596022944

16. Credentials and PQR:

I. The prospective bidders, who have adequate documents to fulfil criteria of credentials and the Pre-Qualification Requirement (PQR) as detailed hereunder for respective tender, will send the scanned self- certified copies of requisite documents as required in tendering process.

II. The following shall be the Pre-Qualifying Requirements for the Bidders:

- a. The Average Turnover of the bidder for last three financial year should be more than 25.00 Cr per Year. Audited Balance Sheet Required.
- b. Bidders should have Minimum supply capacity of 100 TPD. Bidder to submit credential (POs / certificates / customers letters etc.) demonstrating 100 TPD supply of biomass pellets contract/ executed or under execution in the last 1 years. New supplier having no experience may submit supporting credential of production capacity to supply 100 TPD.
- c. Bidder should have executed at-least one contract including scope of supply including transportation / logistics responsibility. New supplier having no experience of logistics may submit supporting credential of logistics capability through their own / tie-up's.
- d. Bidder shall confirm to meet the detailed technical requirement as mentioned under Annexure – 1 of these documents and submit the test report of their product from the accredited Lab.
- e. Certified copy of GST registration issued by competent authority should also be submitted.

17. EOI Document to be submitted:

The bidder shall submit the filled in tender documents along with all documents by the due date as mentioned in this tender. Any bid received after the last date and the time of Submission of Bid shall not be considered. The Bids are to be submitted in a single closed cover envelope containing **Envelope I (Technical- Bid)** and **Envelope II (Financial Bid)** each one duly closed separately. Envelope I should be transcript as **“Technical Bid”** and Envelope II shall contain **“Financial Bid”**.

Check list for bidders: -

Part of Envelope I: -

- a. Audited Balance Sheet of Last Three Years.
- b. Supporting documents relating to the Capacity of Supply.
- c. Credentials.
- d. Declaration by Bidder (Annexure: 1)
- e. Query to be answered by Bidder (Annexure: 3)
- f. Certified copy of GST registration issued by competent authority.
- g. Any other document as requested in the tender document.

Part of Envelope I: -

- a. Schedule of Price (Annexure: 2)

Note – APNRL reserve the right to ask for any additional information / document etc. to verify the claims of the bidders. In event of not receiving the information / document etc. from the bidder as asked by APNRL within the given timeline, APNRL reserve it's right to reject the bid.

18. Price bid:

Bidder shall submit the Price bid as mentioned in **Annexure 2** of this document.

19. Validity of Bids:

The Bidder shall keep the bid valid for a minimum period of **Sixty (60) days** from the date of last date of submission of the bids.

20. Modification and Withdrawal of Bids:

No bid may be modified / withdrawn in the interval between the bid submission deadline and the expiry of the bid validity period.

21. APNRL's Right to accept any Bid or to reject any or all Bids:

Notwithstanding anything mentioned above, APNRL reserves the right to accept or reject any bid, either in full or in part or to annul the bidding process and reject all bids at any time prior to allocation of quantity, without assigning any reason thereof.

22. APNRL's Right to vary quantities of allocation/supply:

The quantity indicated in this tender is purely indicative and for reference purposes only. APNRL does not guarantee any minimum or committed quantity under this engagement. The actual requirement may increase, decrease, or be nil, depending on plant load, operational exigencies, fuel blending requirements, regulatory directives, or any other factors at the sole discretion of APNRL.

The Supplier shall supply biomass pellets strictly as per the quantities specified in the Purchase Orders (POs) issued by APNRL from time to time. No claim, compensation, or dispute shall be entertained on account of variation, non-lifting, or shortfall in the indicative quantities mentioned in this tender

23. Understanding and Clarification of Bid Documents:

The Bidder is expected to carefully read/understand the Bid documents and fully satisfy himself to all the conditions and matters, which may in any way affect the work or the cost thereof. If any Bidder finds discrepancies or omissions in the Bid documents or is in doubt as to the true intent or meaning of any part thereof, he shall at once request in writing to the APNRL for an interpretation/clarification of the Bid documents. However, such request must reach the Supplier/seller 05 day before the last date of submission of bid, otherwise, the request for clarification may not be entertained. After receipt of such interpretation or clarifications, the Bidder shall submit his Bid but within the time and date as specified in the invitation to Bid. All such interpretation and clarification shall form a part of the documents and must accompany the proposal. However, this will not be a binding on supplier for giving reason whatsoever it may.

Verbal clarifications and information given by APNRL or its employees or representatives shall not be in any way binding on the APNRL.

24. Award for supply of Service:

APNRL will issue LOA of supply of service in writing to the successful Bidders. The successful bidder shall return the duplicate copy of the award letter duly signed & stamped as token of his acknowledgement & acceptance.

25. Taxation:

- I. Bid price shall be inclusive of all taxes, levies, cess and duties etc. except GST (on the invoice value as applicable on the date of invoice).
- II. APNRL shall deduct applicable taxes at source (TDS) as per statutory requirements.

26. Settlement of Disputes:

In the event of any dispute arising between the Parties in connection with any matter or thing herein contained or the operation or construction thereof or any matter or thing in any way connected with this Agreement, including any question regarding its existence, interpretation, validity or termination, the Parties shall first endeavour to reach an amicable settlement through mutual consultations and negotiations by the officials of the Parties. If the Parties are unable to reach an amicable settlement within 30 (thirty) business days from the date on which the dispute arose (except as to any matter for which express provisions are made in this Agreement) any of the Party may make a reference to arbitration upon written notice to that effect to the other Party and such arbitration shall be conducted in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 and any modification or re-enactment thereof. The Arbitration shall be conducted by a panel of 3 (three) Arbitrators, one each to be appointed by the Parties to the dispute or difference and the third Arbitrator shall be appointed by the two Party appointed arbitrators within the 30 (thirty) days of their appointment. In the event arbitrators on the Arbitration panel cannot be appointed in the manner detailed herein, the Arbitrators shall be appointed as per provisions of the Arbitration and Conciliation Act, 1996, The Arbitration proceedings shall be conducted in English language. The award made in pursuance thereof shall be binding on the Parties. The venue of arbitration shall be Kolkata and subject to the above, the Civil Courts in KOLKATA shall have exclusive jurisdiction in this matter.

27. Force Majeure:

Neither Party shall be in breach of contract if it is unable to fulfil its contractual obligations due to Force Majeure events. The Force Majeure events shall mean the events or circumstances beyond reasonable control of APNRL and Consultant such as:

- I. Act of God.
- II. An act of war, (whether declared or undeclared) hostilities, invasion, acts of terrorism, armed conflict or an act of foreign enemies, blockade, embargo, revolution, military action.
- III. Contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive, or other hazardous properties.
- IV. Riot, civil commotion, terrorism or disorder, unless solely restricted to employees of the Consultant or of its Sub-Contractors.
- V. Either Party has the right to terminate the contract if a single Force Majeure event lasts more than 90 (ninety) days or events in aggregate last more than 120 (one hundred and twenty) days.

28. Breach of Contract:

Poor performance in execution of work or non-execution of the contract in part or full shall be considered default of the contractor leading to breach of the contract. In the event of breach of contract APNRL shall have the liberty to get the work executed by other agency or by APNRL own resources for the remaining period of the contract at the cost and risk of the contractor. APNRL shall give a notice of 14 days to the contractor in the event of breach of contract before resorting to any alternative arrangements. The extra cost so incurred in this regard shall be recovered by APNRL from the contractor's receivable, guarantee etc.

29. Weighment for invoicing:

APNRL plant GRN will be considered for invoicing.

30. Logistical Arrangements:

The Service Provider shall make its own arrangements for all manpower, logistics, accommodation, communication, transportation, and other resources required for execution of the services. APNRL shall not provide any additional facilities, reimbursements, or perks other than the agreed rates as specified in the contract.

31. Billing:

Billing should be made based on monthly.

Annexure: 1
Declaration by Bidder
(To be submitted on Companies letter head along with technical bid)

We, the undersigned, has read the technical specifications for agro residue-based biomass pellets, and declare the following:

- a) We have read and completely understood the technical specification document and have no reservations to it including amendment/ Clarification.
- b) We have quoted the price in price bid for the agro residue-based biomass pellets having technical specification as follows:

Serial No	Technical Data	Unit	Specifications of Pallet
1	Base material		Agro residue / Crop residue
2	Diameter**	Mm	<ul style="list-style-type: none"> • Not more than 25 mm • No other dimension should exceed 35 mm
3	Fines % (Length < 3 mm) (ARB*)	Weight %	Fines ≤ 5%
4	Gross calorific value (ARB*)	kcal/kg	(---To be quoted by bidder)
5	Moisture (ARB*)	Weight %	Not more than 14%
6	Ash (ARB*)	Weight %	Not more than 20%
7	Chlorine	Weight %	Not more than 0.5
8	Sulphur	Weight %	< 0.2

- c) We understand that quantity and price adjustment shall be made for supplying the material deviating from technical specification but within acceptable range of technical specification.
- d) We understand that rejection of consignment shall be made for not meeting acceptance limits of parameters.
- e) We declare that we have read the bid document and has no reservation to it and shall abide by its provision.

Name/ Designation:

Name of Company/firm/agency Signature:

Date:

Place

Annexure – 2: Schedule of Price Biomass APNRL

Bidder to submit the quote STRICTLY in the format below duly signed and stamped by Authorized Representative of bidding company

A. Price Details

Sr. No.	Particulars	Unit of Measure (UOM)	Quote By Bidder
1	Quoted Price for supply of BIOMASS PALLETS on basis of Landed Energy Price in terms of "INR per Mkal" (Considering GCV on ARB basis as delivered at Unloading Point)	INR/ Mkal	

B. Details of proposed coal to be supplied

1	Proposed Quantity quoted	MT	500.00
2	Basic Price of Biomass Pallets	INR/MT	
3	Applicable Duties, Cess etc.	INR/MT	
4	Applicable GST	%	
5	Applicable GST Amount	INR/MT	
6	Price of Biomass Pallets Including Cess, Duties, GST etc.	INR/MT	
7	Price for logistics of coal from manufacturing plant to APNRL Thermal Power Station Delivery Point	INR/MT	
8	Total Landed Cost of Biomass Pallets including Logistics Cost up to delivery point and including all taxes & duties	INR/MT	
9	Guaranteed GCV of Coal to be supplied	kcal/kg	
10	Calculated Landed Energy Cost in "INR per Mkal"	INR/Mkal	

Note:

- Bidder shall be confirming that they have read and understood terms and conditions of subject RFQ and quoted above details including price accordingly.
- Bid evaluation may be made based on above Quoted Landed Energy Cost (INR/ Mkal). However, Actual Payment shall be made based on Coal Quantity delivered and Quoted/Agreed Price of Biomass Pallets after deductions applicable as per contract based on Unloading Point GCV ARB and other parameters.
- Any taxes, duties, cess not separately mentioned shall be considered in the Basic price of Biomass Pallets quoted by bidder.
- Landed Cost specified under Sr. No. 8 shall include all associated costs including but not limited to supply, loading, packing /forwarding, transportation/logistics, unloading up to specified Delivery Point. No other costs shall be payable separately other than same, and any other costs not specified shall be deemed to be into supplier's account.

Company Seal:	Signature:
Company Name :	Name:
Date:	Designation:
Place:	Company Address:

Annexure – 3:

Query to be answered by Bidder:

Name of the Bidder: -		
Location of Bidder: -		
Serial No	Query to be answered by Bidder	Answer from Bidder
1	Post successful trial of Biomass at APNRL, can bidder supply biomass pallets on continuous basis for a period of 1 year?	
2	Post successful trial of Biomass at APNRL, can bidder supply biomass pallets on continuous basis for a period of 5 year?	
3	Is bidder having Storage facility of Biomass near to APNRL Plant.	
4	Is bidder having Storage facility of Biomass near to APNRL.	
6	How much Maximum quantity of Biomass bidder can supply per day at APNRL Plant	
7	How much Minimum quantity of Biomass bidder can supply per day at APNRL Plant.	