

(INVITATION FOR EXPRESSION OF INTEREST)

***NTPC Limited***

(A Government of India Enterprise)



Invites

**Expression of Interest  
(EOI)**

From

**Entrepreneurs / Individuals/ Sole Proprietorships / Partnerships / Limited Liability Partnerships / Consortium / Companies / Cooperative Societies / Technology Providers**

For

**Production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants for power generation through biomass co-firing**

(INVITATION FOR EXPRESSION OF INTEREST)



## DOCUMENTS OF EOI

This EOI document comprises of the following sections:

- (i) Section-I: Invitation for Expression of Interest
- (ii) Section-II: Information to Applicants
- (ii) Section-III: Application Form and Annexures

## Instructions to APPLICANTS

- For expression of interest, Application Form and Annexures given in Section-III shall be duly filled and sent to NTPC by the APPLICANT in hard as well as soft copy.
- Applicants should go through Section-I and Section-II thoroughly before filling and submitting the application.

(INVITATION FOR EXPRESSION OF INTEREST)



**SECTION-I:**

**INVITATION FOR EXPRESSION OF INTEREST**

**(INVITATION FOR EXPRESSION OF INTEREST)**

***NTPC LIMITED***

(A Govt. of India Enterprise)

**CORPORATE ENGINEERING, NOIDA**

**NOTICE FOR EXTENSION OF EXPRESSION OF INTEREST (EOI) SUBMISSION DATE**

This is in continuation to our notice inviting Expression of Interest (EOI) No.: PEM-9598-999-3 for production & supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants for power generation through biomass co-firing, uploaded on [www.ntpctender.com](http://www.ntpctender.com) website on 26/12/2018.

The last date of EOI submission is hereby extended to **25/02/2019**.

For detailed EOI and documents, please visit at [www.ntpctender.com](http://www.ntpctender.com) or [www.ntpc.co.in](http://www.ntpc.co.in) or may contact: Sr. Manager (PE-Mechanical), NTPC limited, 5<sup>th</sup> Floor, Engineering Office Complex, A-8A, Sector-24, Noida-201301, Distt. Gautam Budh Nagar (U.P.), India.

Tel. No.: +91-9650993162/ 0120-3778516

E-mail: [ashwinikumarverma@ntpc.co.in](mailto:ashwinikumarverma@ntpc.co.in)

**Registered office:** NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodi Road, New Delhi-110003. CIN: **L40101DL1975GOI007966** Website: [www.ntpc.co.in](http://www.ntpc.co.in)

## (INVITATION FOR EXPRESSION OF INTEREST)



### DETAILED NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI No.: PEM-9598-999-3

Date: 26-12-2018

#### **Production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants for power generation through biomass co-firing**

- 1.0 NTPC Limited (A Government of India Enterprises) invites Expression of Interest (EOI) from Entrepreneurs / Individuals/ Sole Proprietorships / Partnerships / Limited Liability Partnerships / Consortium/ Companies / Cooperative Societies / Technology Providers (**herein after called APPLICANT**) for production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants listed in this document for power generation through biomass co-firing.
- 2.0 To reduce greenhouse gas emission from its coal based power plants, NTPC is planning to utilize paddy straw and other agro residue based pellets/ torrefied pellets along with coal for power generation through biomass co-firing which is a technology recognized by UNFCCC to mitigate carbon emission.
- 3.0 The purpose of inviting this EOI is to encourage the APPLICANT to set up facility for manufacturing agro residue based pellets/ torrefied pellets for supplying to NTPC power plants for power generation through biomass co-firing. This shall establish agro residues supply chain management infrastructure viz. collection, processing, transportation etc. of surplus agro residues which is often set on fire by farmers and causes air pollution.
- 4.0 After identifying the APPLICANTS through EOI who are interested in production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants listed in this document and willing to participate in future tenders of NTPC, a workshop shall be conducted.
- 5.0 The workshop shall help the APPLICANT to understand NTPC's requirement and potential sources of plant and machinery along with technological details. Information regarding supply chain management i.e. agro residue collection, processing, storage, handling, transportation etc. shall be provided by experts in that area. Information regarding business related issues shall also be imparted to the APPLICANTS.

#### **6.0 Eligibility for Participation in EOI**

## (INVITATION FOR EXPRESSION OF INTEREST)

- 6.1** Entrepreneurs / Individuals/ Sole Proprietorships / Partnerships / Limited Liability Partnerships / Consortium / Companies / Cooperative Societies / Technology Providers (herein after called APPLICANT) **having GSTIN and PAN** shall be eligible to participate in EOI.
- 6.2** The APPLICANT should be of minimum 21 years of age (in case of individual APPLICANT).
- 6.3** The APPLICANT shall be of Indian nationality AND/OR a Company/ Sole Proprietorships / Partnerships / Limited Liability Partnerships / Consortium / Cooperative Societies registered in India AND/ OR Non-Resident Indians/Persons of Indian Origin AND/OR a Multi-National Company having its registered office in India / Overseas Corporate Bodies having its registered office in India.

### **7.0 DOWNLOAD AND SUBMISSION OF EOI**

- 7.1** Interested APPLICANTs may download the documents of EOI free of cost from [www.ntpctender.com](http://www.ntpctender.com).
- 7.2** The APPLICANT is required to submit his EOI application completed in all respect through hard copy along with a security deposit of ₹100000 (One lakh rupees only) in form of **Demand Draft drawn in favor of NTPC Ltd. payable at Noida/Delhi** and softcopy of EOI application shall be e-mailed to following:-

**To:** [ashwinikumarverma@ntpc.co.in](mailto:ashwinikumarverma@ntpc.co.in)

**CC to:** [sudiptodesarkar@ntpc.co.in](mailto:sudiptodesarkar@ntpc.co.in) and [ddbhanot@ntpc.co.in](mailto:ddbhanot@ntpc.co.in)

- 7.3** Last date for submission of EOI has been extended up to 25 February 2019.
- 7.4** For consideration of EOI, APPLICANT is required to e-mail softcopy of EOI through e-mail as well as send the hard copy of the same along with demand draft (DD) of INR One Lakh. EOI shall be considered valid only after receiving hard copy of EOI along with demand draft (DD) which can be submitted either in person or by registered/ speed post till 25 February 2019 to the following address :-

Ashwini Kumar Verma  
Sr. Manager (PE-Mechanical)  
5<sup>th</sup> Floor, NTPC-EOC COMPLEX,  
Plot no. A-8A, Sector-24, NOIDA-201301 (UP).  
Mob no. 9650993162

- 7.5** APPLICANT shall ensure that EOI application should be complete in all respect. However startup/ individuals may fill only relevant details mentioning the reason for the same in Annexure-5. Incomplete EOI application shall be rejected.

## (INVITATION FOR EXPRESSION OF INTEREST)

**7.6** NTPC reserves the right to reject or accept any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case, APPLICANT shall not have any claim arising out of such action and security deposit shall be refunded.

### **8.0 Refund of Security Deposit**

**8.1** The security deposit shall be refunded to the bank account of APPLICANT after his participation in the future tendering process for supply of agro residue based pellets/ torrefied pellets to NTPC power plants listed in this document **OR** after six months whichever is earlier.

**8.2** If the APPLICANT fails to participate in tendering process, 20% of security deposit shall be forfeited by NTPC and remaining amount shall be refunded to the bank account of APPLICANT.

**8.3** However, if the APPLICANT declines to participate in tendering process due to change in tentative technical specification and salient features of proposed tender mentioned in para 9.0 and 10.0 of Section-II of this document, full security deposit shall be refunded without any deduction to the bank account of APPLICANT.

### **9.0 Queries**

APPLICANTS may send their queries related with EOI through e-mail at [ashwinikumarverma@ntpc.co.in](mailto:ashwinikumarverma@ntpc.co.in)

(INVITATION FOR EXPRESSION OF INTEREST)



## SECTION-II: INFORMATION TO APPLICANTS



## (INVITATION FOR EXPRESSION OF INTEREST)

### INFORMATION TO APPLICANTS

#### 1.0 ABOUT NTPC

NTPC Ltd. (A Govt. of India Enterprises), a Maharatna Company, is India's largest power generating company with roots planted way back in 1975 to accelerate power development in India. Since then it has established itself as the dominant power major with presence in the entire value chain of the power generation business. From fossil fuels it has forayed into generating electricity via hydro and other renewable energy sources.

Present installed capacity of NTPC is 52,946 MW (including 7,551 MW through JVs/Subsidiaries) comprising of 50 NTPC Stations (20 Coal based stations, 7 combined cycle gas/liquid fuel based stations, 2 Hydro based station, 1 Wind based Station), 9 Joint Venture stations (8 coal based and one gas based) and 11 renewable energy projects. NTPC has an ambitious plan to become 128000 MW plus company by 2032.

#### 2.0 INTENT OF EXPRESSION OF INTEREST

In line with advisory of Central Electricity Authority (CEA), NTPC is planning for biomass co-firing in all its coal based power plants (except those having ball and tube mills). This shall create a huge demand for agro residue based pellets/ torrefied pellets and shall promote investment and development of entrepreneurs in area of agro residue supply chain management such as collection, storage, processing and transport to meet requirement of NTPC.

With the above objectives, NTPC invites Expression of Interest from Entrepreneurs / Individuals/ Sole Proprietorships / Partnerships / Limited Liability Partnerships / Consortium / Companies / Cooperative Societies / Technology Providers (herein after called APPLICANT) for production and supply of paddy straw and other agro residue based pellets / torrefied pellets to NTPC power plants for power generation through biomass co-firing.

After identifying the APPLICANTs through EOI who are interested in production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants listed in this document and willing to participate in future tenders of NTPC, a workshop shall be conducted which shall help the APPLICANT to understand NTPC's requirement and potential sources of plant and machinery along with technological details. Information regarding supply chain management i.e. agro residue collection, processing, storage, handling, transportation etc. shall be provided by experts in that area. Information regarding business related issues shall also be imparted to the APPLICANTs.

## **(INVITATION FOR EXPRESSION OF INTEREST)**

### **3.0 INTRODUCTION**

Majority of power plants of NTPC is running on coal. To reduce greenhouse gas emission from its coal based power plants, NTPC is planning to utilize paddy straw and other agro residue based pellets/ torrefied pellets along with coal for power generation through biomass co-firing which is a technology recognized by UNFCCC to mitigate carbon emission.

In addition to reducing carbon emission from coal based power plant, the utilisation of paddy straw and other agro residue based pellets/ torrefied pellets in the power plant will also reduce air pollution due to burning of stubble (i.e. paddy straw and other agro residues) in the fields by farmers which was the trigger for this initiative by NTPC as a responsible organisation.

### **4.0 CO<sub>2</sub> EMISSION AND AIR POLLUTION MITIGATION THROUGH BIOMASS CO-FIRING**

It is worth mentioning that equivalent amount of CO<sub>2</sub> (carbon-di-oxide) emitted from combustion of agro residue based pellets/ torrefied pellets in power plant gets absorbed in next crop cycle by photosynthesis, so CO<sub>2</sub> emission from agro residue based pellets combustion does not increase CO<sub>2</sub> concentration in atmosphere and thus it is also termed as carbon neutral fuel which is a renewable source of energy.

Further, CO<sub>2</sub> emission from diesel and electricity consumption for agro residue collection, processing and transportation is very negligible as compared to saving in CO<sub>2</sub> emissions from its utilisation in large coal fired power plants having higher efficiency than dedicated small biomass power plants. This makes biomass co-firing a greener alternative.

Stubble burning in fields emits large amount of ash/soot/ unburnt carbon to the atmosphere which is the real cause of air pollution and elevates the PM 2.5 and PM 10 level in atmosphere. When agro residue based fuel is utilised in coal fired power plants, it burns completely in power plant and ash emitted from its combustion gets absorbed in Electro Static Precipitator (ESP) which prevents the air pollution while generating power from it.

Based on the feedback received from farmers, it is learnt that farmers burn stubble as they find it as cheapest, quickest and easiest means to prepare the land for next crop in view of short time available. Stubble burning in fields also reduces soil fertility and farmers do not willingly burn stubble but they have no other alternative too.

Therefore, utilisation of paddy straw and other agro residues based fuel in form of pellets/ torrefied pellets in coal power plants shall create a huge market for it and provide a quickest, easiest and more economical alternative to the farmer which shall discourage stubble burning in fields causing air pollution in addition to reducing carbon emission from coal based power plants. This shall also generate employment opportunities and farmer's income.

### **5.0 AGRO RESIDUE GENERATION AND POWER POTENTIAL**

## (INVITATION FOR EXPRESSION OF INTEREST)

As per 'Biomass Resource Atlas of India' prepared by IISC Bangalore in collaboration with MNRE (Survey data of year 2002-04), India generates about 511 million tonnes of agro residue per annum out of which about 145 million metric tonnes /year agro residue is surplus which is not even being utilized as animal fodder. If the surplus agro residue is collected, stored and processed in form of pellets/ torrefied pellets, it is able to generate about 30000 MW round the clock (RTC) of renewable electricity using already established infrastructure of coal based power plants with minor modifications. If full surplus agro residue power potential is utilized, it may replace almost 10-15% of coal of all coal fired power plants in India.

### 6.0 BIOMASS CO-FIRING EXPERIENCE AT DADRI

Co-firing of 10% of biomass pellets (by weight) along with coal has already been demonstrated at NTPC Dadri and NTPC is heading to further start commercial scale biomass co-firing at Dadri.



Biomass Feeding Pictures of pilot test at NTPC Dadri

As agro residue has high percentage of alkali and chlorine content, this can cause slagging and corrosion in boiler if it is fired in higher ratio along with coal. Therefore, co-firing ratio more than 10% is not generally recommended with biomass having higher alkali and chlorine content. However, with biomass having lower level of alkali and chlorine content, higher ratio of biomass co-firing can be achieved.

Subsequently, an advisory was issued by Central Electricity Authority (CEA) for all public, private generating utilities having pulverized fuel and CFBC boiler (except those having ball and tube mills) to endeavor to use 5-10% biomass pellets primarily made of agro residue along with coal. In line with advisory of Central Electricity Authority (CEA), NTPC is planning for biomass co-firing in all its coal based power plants (except those having ball and tube mills).

## (INVITATION FOR EXPRESSION OF INTEREST)

### 7.0 AGRO RESIDUE COLLECTION AND PROCESSING

Agro residues in a season is collected from fields with the help of cutters, rackers and baling machines. The collection process is self-explanatory from pictures given below. A machine set comprising of all cutter, rackers and balers can collect about 150 to 200 tonnes of agro residue per day. However, collection capacity may vary with size and type of equipment.



Baling of agro residues increases its density to 250-350 Kg/ cubic meter which eases out its handling and short distance transportation up to pellet manufacturing facility. Moreover, baling



## (INVITATION FOR EXPRESSION OF INTEREST)

also helps in storage of agro residue for longer duration without any significant decay in its calorific value.

Agro residue in bale form or briquettes of agro residue having higher constituent particle size cannot be directly fired in pulverized coal fired boiler as coal mills are not designed to pulverize fibrous agro residue of larger dimension. Therefore, it requires to be processed in form of pellets or torrefied pellets.



Pellet is made by compressing pre pulverized finer particles of agro residue in a die which can be easily disintegrated to original particle size in coal mills of power plant. Further, torrefied pellets is made by torrefaction where agro residue is heated to a temperature of 250<sup>o</sup>-300 °C in absence of oxygen which converts agro residue to brittle, hydrophobic and less volatile black carbon powder which is then compressed into a die

to produce torrefied pellet which is as good as coal and can be pulverized in coal mills easily.

Pelletization increases the density of agro residue up to 800 kg/ cubic meter and reduces its long distance transportation cost and eases out its handling. Further, torrefaction increases the GCV by almost 20% which further reduces its transportation cost. Hydrophobic nature of torrefied pellets makes its storage easier than pellets.

### 8.0 LIST OF COAL POWER PLANTS

NTPC is planning to replace 5% of coal by pellets/ torrefied pellets made of agro residues in its power plants. List of power plants and daily pellets/ torrefied pellets requirement is given in following table.

## (INVITATION FOR EXPRESSION OF INTEREST)

Sr. No.	COAL BASED (Owned by NTPC)	STATE	COMMISSIONED CAPACITY(MW)	Daily pellets/ torrefied pellet requirement (Metric tonnes per Day, MTPD)
1	Singrauli	Uttar Pradesh	2,000	1000
2	Korba	Chhattisgarh	2,600	1300
3	Ramagundam	Telangana	2,600	1300
4	Farakka	West Bengal	2,100	1060
5	Vindhyachal	Madhya Pradesh	4,760	1880
6	Rihand	Uttar Pradesh	3,000	1500
7	Kahalgaon	Bihar	2,340	1180
8	Dadri*	Uttar Pradesh	1,820	920
9	Jhajjar*	Haryana	1500	760
10	Talcher Kaniha	Orissa	3,000	1000
11	Unchahar	Uttar Pradesh	1,550	560
12	Talcher Thermal	Orissa	460	240
13	Simhadri	Andhra Pradesh	2,000	1000
14	Tanda	Uttar Pradesh	440	220
15	Sipat	Chhattisgarh	2,980	1500
16	Mauda	Maharashtra	2,320	1160
17	Bongaigaon	Assam	500	260
18	Barh	Bihar	1320	660
19	Kudgi	Karnataka	2400	1200
20	Solapur	Maharashtra	660	340
21	Lara	Chhattisgarh	800	400
Total			41,150 MW	19440 MTPD

The daily requirement is estimated based on 100% plant load factor and is indicative only. However, daily requirement given above may be changed based on actual plant load factor and requirement of NTPC.

**\* Agro residue collection/ sourcing from Punjab/Haryana region is mandatory for the party interested to supply pellets/ torrefied pellets to the power plants located in Delhi/NCR.**

### 9.0 TENTATIVE TECHNICAL SPECIFICATION OF PELLETS/ TORREFIED PELLETS

The tentative technical specification of pellets and torrefied pellets has been given below which is just indicative and for the purpose of familiarising the APPLICANTS regarding technical specification of material kept in earlier bid invitation. However, technical specification during

**(INVITATION FOR EXPRESSION OF INTEREST)**

forthcoming tender may remain same or may be modified based on actual operating experience of NTPC.

SN	Technical data	Unit	Specification for pellet	Specification for torrefied pellets
1	Base material	-	Agro residue/ crop residue	Agro residue/ crop residue
2	Diameter	mm	Not more than 25 mm	In case of cylindrical shape : Diameter : Not more than 35 mm Length : Random  For other shapes: No dimension should exceed 40 mm.
3	Fines% (length<3 mm)(ARB*)	Wt %	fines ≤ 5%	Fines ≤ 5%
4	Gross Calorific Value (GCV-ARB*)	kCal/kg	3500	4200
5	Moisture (ARB*)	Wt %	Not more than 9%	Not more than 9%
6	Ash(ARB*)	Wt %	Not more than 20%	Not more than 35%
7	Particle size distribution (ARB*)-As measured at plant end	Wt%	(passing proportion from 1 mm mesh size sieve) ≥ 75%  (passing proportion from 3 mm mesh size sieve) =100%	Not Applicable
	Hard groove Grindability index (HGI)	-	(Not applicable)	Not less than 50

Note-

- ARB\*- As received basis
- Pro-rata upward/ downward price adjustment shall be done for actual GCV w.r.t. price quoted for specified GCV within stipulated limits.

## (INVITATION FOR EXPRESSION OF INTEREST)

- Particle size distribution of pellets given in technical specification may be modified based on actual operating experience.
- Agro residue /crop residue means the leftover portion of the crop or agriculture produce such as stubble/straw/stalk/husk/ horticulture waste etc.
- Byproduct of wood work factory (such as wood, wood chips, saw dust, furniture waste etc.) shall **not** be treated as agro/ crop residue.
- Agro residue pellets can be manufactured using single or multiple agro/crop residues together.
- Natural additives/binder such as lignin, starch, animal dung etc. can be used for manufacturing pellets if required.
- NTPC reserves the right to exclude any base material/additive/ binder or modify their proportion, if any adverse impact of the base material/additives/binder is found on boiler in long run.

### 10.0 Proposed salient features of the forthcoming tender

<b>Qualifying requirement</b>	Same as eligibility to participate in this EOI.
<b>Minimum Quantity to be supplied on daily basis</b>	Minimum 20 Tonnes per day
<b>Quantity allocation and Pricing</b>	Quantity shall be allocated in ascending order of quoted price based on NTPC requirement. Further, NTPC shall reserve the right to modify bucket size at any time during tendering phase.
<b>Delivery start date</b>	Sufficient time duration shall be given to interested parties to set up their production facilities and to start supply to NTPC. However, if a party wants to supply early, it may be done on mutual consent basis.
<b>Contract period</b>	4 years on firm price basis, however, provision to exit from the contract shall be available to the vendors before expiry of 4 years with prior notice without any penalty clause

### 6.0 APPLICATION OF EOI:-

The application of EOI is given in section-III of this document which comprises of the following:

#### A) **Form of Application:**

The Application Form shall indicate willingness of APPLICANT to participate in the RFP/ forthcoming tendering process, as and when NTPC invites the same. The Application Form shall be submitted on the letter head of the company.



## (INVITATION FOR EXPRESSION OF INTEREST)

### B) Annexures:

Following are the annexures required to be filled and submitted by APPLICANT along with application form.

- a. **Annexure -1:** Applicant's Profile
- b. **Annexure- 2:** Electronic Fund Transfer Form (E.T.F. Form)
- c. **Annexure -3:** Pellet/ torrefied pellet supply details
- d. **Annexure- 4:** Acceptance of Fraud Prevention Policy of NTPC
- e. **Annexure- 5:** Any other information

### Note-

- For Expression of Interest, Application Form and Annexures given in Section-III shall be duly filled and sent to NTPC by the APPLICANTS in hard copy along with security deposit as well as soft copy through e-mail.
- **Confirmation of "Application Form" receiving along with Demand Draft shall be given through reply e-mail only after receiving of hard copy along with demand draft.**
- Applicants should go through Section-I and Section-II thoroughly before filling and submitting the application.

## (INVITATION FOR EXPRESSION OF INTEREST)



### SECTION-III: APPLICATION FORM AND ANNEXURES

#### Instructions to APPLICANTS

- Applicant should note that this is Expression of Interest (EOI) to enlist interested parties and prepare them for future tendering process for pellet procurement. Applicant should be sure that it is not the tender/bid invitation.
- For expression of interest, Application Form and Annexures given in Section-III shall be duly filled and sent to NTPC by the APPLICANT in hard as well as soft copy.
- Applicants should go through Section-I and Section-II thoroughly before filling and submitting the application.
- While Application form submission, Applicant must ensure that they have provided following information without which EOI shall be rejected :
  - GSTN and PAN of firm (or individual if applying as individual) and supporting documents of the same.
  - Address/ Contact number/ e-mail address/ Name of Contact person
  - Electronic fund transfer (EFT) form (Annexure-2) along with Cancelled Cheque
  - Demand Draft of INR One Lakh drawn in favor of NTPC LTD NOIDA/DELHI
- New entrepreneurs/ interested parties who are unable to give price offer at this stage but want to participate in EOI to attend work shop to prepare to participate in future tender process, should at least mention the name of plant where they want to supply pellets. And same must be mentioned in Annexure-5 i.e. the reason for not giving price offer.

**(EXPRESSION OF INTEREST: APPLICATION FORM)**

**APPLICATION FORM**

*(To be submitted on APPLICANT's Letter Head but letter head is not required if applying as individual.)*

**Ref No.**

**Date:**

**Sr. Manager (PE-Mechanical)  
NTPC Limited, 5<sup>th</sup> Floor, Engineering Office Complex,  
A-8A, Sector – 24, Noida,  
Distt. Gautam Budh Nagar  
Uttar Pradesh, INDIA 201301**

**Dear Sir,**

**Sub: Expression of Interest (EOI) for production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants for power generation through biomass co-firing**

We, the undersigned, express our interest for the subject EOI and declare the following:

- (a) We are duly authorized to represent and act on behalf of \_\_\_\_\_ (name of the firm).
- (b) We have examined and have no reservations to the EOI document including Amendment No(s) & Clarification No(s)\_\_\_\_\_ (if any).
- (c) With reference to your invitation for EOI dated \_\_\_\_\_, we are furnishing herewith all the required details as per the prescribed Annexures.
- (d) We hereby express our willingness to participate in RFP/ forth coming tender as and when NTPC invite the same.
- (e) NTPC and /or its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application and to seek clarifications from our bankers and clients.
- (f) This application will also serve as authorization to seek/request information as deemed necessary from any individual or authorized representative of any institution referred in the supporting document provided by APPLICANT.
- (g) NTPC and /or its authorized representatives may contact the following nodal persons for further information on any aspects of the application:

Name and designation of contact Person	Address for Communication	Telephone No	Email ID

**(EXPRESSION OF INTEREST: APPLICATION FORM)**

(h) This application is made in the full understanding that:

1. Through this EOI, NTPC intends to identify interested and capable parties in India for production and supply of paddy straw and other agro residue based pellets/ torrefied pellets to NTPC power plants for power generation through biomass co-firing. This EOI is not intended for empanelment of APPLICANT or pre-qualification of APPLICANT.
  2. APPLICANT understand that if he fails to participate in RFP or tender invited by NTPC due to reason other than change in proposed tender condition in this EOI document, 20% of the security deposit shall be forfeited by NTPC and rest shall be refunded in the bank account provided by APPLICANT.
  3. EOI process will be subject to verification of all information submitted at the discretion of NTPC.
  4. NTPC reserves the right to reject or accept any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case, APPLICANT shall not have any claim arising out of such action and security deposit shall be refunded.
- (i) We declare that we have read and abide by the provisions of Fraud Prevention Policy of NTPC and submit the form of Acceptance of Fraud Prevention Policy duly filled as per NTPC's format.
- (j) The undersigned declare that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

SIGNATURE

(AUTHORISED SIGNATORY)

(OFFICE STAMP)

DATE \_\_\_\_\_ NAME \_\_\_\_\_ DESIGNATION \_\_\_\_\_

PLACE \_\_\_\_\_

**(Annexure-1)**

<b>Applicant's Profile</b>	
Applying as (Tick whichever is applicable)	<input type="checkbox"/> Entrepreneur <input type="checkbox"/> Partnership <input type="checkbox"/> Technology Provider <input type="checkbox"/> Individual <input type="checkbox"/> Ltd. liability Partnership <input type="checkbox"/> Company <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Consortium <input type="checkbox"/> Cooperative Society
Name of organisation and Address	
Name of contact Person	
Designation	
Postal address for communication:	
Mobile number	
E-mail address	
GSTIN	( Enclose a copy of GSTIN)
PAN	( Enclose a copy of PAN)
Have you class-III digital signature?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Present business profile	
If already in biomass business, which area of business?	<input type="checkbox"/> Agro residue collection <input type="checkbox"/> Torrefaction and Pelletization <input type="checkbox"/> Pelletization <input type="checkbox"/> Trading
Type of Industry	Micro <input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> <div style="text-align: right;">(Enclose MSME and NSIC Certificate)</div>
Production/ collection capacity	
Present clients details	
Annual turnover (in ₹)	
Net worth (in ₹)	
Investment capacity and future plan	
Experienced in participating in tenders of Govt. agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has vendor code with NTPC?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, mention vendor code	Vendor code- <div style="font-size: small; text-align: right;">If no, enclose all above document along with EFT form to create vender code. Vendors having vendor code shall also submit all enclosures as stipulated.</div>



**(Annexure-2)**

(D) BANK FAX NO (WITH STD CODE)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(E) BRANCH CODE

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(F) 9 DIGIT MICR CODE OF THE BANK BRANCH (ENCLOSE COPY OF A CANCELLED CHEQUE)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(G) BANK ACCOUNT NUMBER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(H) BANK ACCOUNT TYPE (TICK ONE)

SAVING	CURRENT	LOAN	CASH CREDIT	IF OTHERS, SPECIFY,
--------	---------	------	-------------	------------------------

5. PERMANENT ACCOUNT NUMBER (PAN)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

6. E-MAIL Address for Intimation regarding release of payments

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

I/We hereby declare that the particulars given above are correct and complete. If transaction is delayed or credit is not affected at all for reasons of incomplete or incorrect information, I/We would not hold the owner responsible.

SIGNATURE

(AUTHORISED SIGNATORY)

DATE \_\_\_\_\_ NAME \_\_\_\_\_

(OFFICE STAMP)

**BANK CERTIFICATION:**

It is certified that above mentioned beneficiary holds a bank account no. .... With our branch and the Bank particulars mentioned above are correct.

SIGNATURE

(AUTHORISED SIGNATORY)

DATE \_\_\_\_\_ Authorization No.: ..... NAME: \_\_\_\_\_

(OFFICE STAMP)

**(Annexure-3)****Pellet/ Torrefied pellet supply details**

Sr. No.	Location	Product type	Daily quantity supply Offer		Price Offer (Excluding GST)	Cost Break Up		Agro residue sourcing Zone
	Name of power plant	(Pellet/ Torrefied Pellet?)	Supply quantity offered per day (Metric tonnes per day)	Supply period (In years)	Estimated FOR destination Price offered for technical specification of material given in clause-9 of section-II of this document (in ₹/ metric tonnes)	Ex-Factory Price (in ₹/ metric tonnes)	Transport Cost (in ₹/ metric tonnes)	Proposed Agro residue sourcing zone (Name of Tehsil, District, PIN)
1	Singrauli							
2	Korba							
3	Ramagundam							
4	Farakka							
5	Vindhyachal							
6	Rihand							
7	Kahalgaon							
8	Dadri*							
9	Jhajjar*							
10	Talcher Kaniha							
11	Unchahar							
12	Talcher Thermal							
13	Simhadri							
14	Tanda							
15	Sipat							
16	Mauda							
17	Bongaigaon							
18	Barh							
19	Kudgi							
20	Solapur							
21	Lara							

\*Agro residue collection/ sourcing from Punjab/Haryana region is mandatory for the party interested to supply pellets/ torrefied pellets to the power plants located in Delhi/NCR.



**(Annexure-4)**

**(FORM FOR ACCEPTANCE OF FRAUD PREVENTION POLICY)**

We have read the contents of Fraud Prevention Policy of NTPC displayed on its tender website <http://www.ntpctender.com> and undertake that we shall strictly abide by the provisions of Fraud Prevention Policy of NTPC.

SIGNATURE

(AUTHORISED SIGNATORY)

(OFFICE STAMP)

DATE \_\_\_\_\_ NAME \_\_\_\_\_ DESIGNATION \_\_\_\_\_

PLACE \_\_\_\_\_

**(ANY OTHER INFORMATION)**

If Applicant desires to share any other additional Information relevant to the work / assignment like brochure, future plan or any suggestion, it may be given in this Annexure.