

**Invitation for Expression of Interest (EOI)
for**

**Supply, installation & commissioning of Paddy
Straw based Briquetting Plant in
Punjab, India**

EOI Document No.: PSCST/CC/EOI/003

June 2017



**PUNJAB STATE COUNCIL FOR SCIENCE &
TECHNOLOGY, CHANDIGARH**
(A State Govt. Undertaking)

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Mere submission of a responsive Proposal does not ensure selection of the Bidder (s) as Successful Bidder (s). The Client reserves the right to reject all or any of the Bidders or EOI proposals without assigning any reason whatsoever. The Client reserves all the rights to cancel, terminate, change or modify this EOI process and/or requirements of bidding stated in the EOI document, at any time without assigning any reasons or providing any notice and without accepting any liability for the same.

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1.0 INTRODUCTION

Punjab State Council for Science & Technology (PSCST) is a State Government Undertaking and a Scientific & Industrial Research Organization approved by DSIR & Central Government under Clause (ii) of Sub-Section (i) of Section 35 of Income Tax Act, 1961. PSCST endeavors to harness the potential of Science and Technology as an instrument of socio-economic change and acts as a catalytic agent for transferring technologies from the laboratory to the field.

The Ministry of Environment, Forest and Climate Change (MoEF&CC), GOI has sanctioned project titled “**Technological Adaptation for Gainful Utilization of Paddy Straw**”, to PSCST for setting up of two units for demonstrating paddy straw based briquetting in two different geographical locations (Southern/Central and Northern zone) of Punjab. In the first phase, one briquetting unit is to be set up, in Distt. Moga, Punjab for production of briquettes made of paddy straw in combination with other biomass/bio-residues. These briquettes are proposed to be used by 7-8 brick kilns in the vicinity of the plant.

As part of this endeavor, PSCST invites Expression of Interest (EOI) for supply, installation & commissioning including maintenance for one year of paddy straw based briquetting plant (24TPD) in Distt. Moga, Punjab with salient features as under:

Description of Plant to be installed	Paddy Straw based Briquetting Plant
No. of Plants	1 No.
Plant production capacity <i>(Output side)</i>	24 TPD <i>(Preferably in 2 shift basis)</i>
Plant type <i>(Production process line)</i>	Mechanized line
Briquette size	55 ± 5 mm dia.
Input raw material	Paddy Straw (≥80%) + Other Biomass/Bio-residue (≤20%)
Annual briquette Production	5000 Tons

On successful demonstration of the technology, it has a replication potential of 200 plants of similar capacity in the State.

2.0 NOTICE INVITING EOI

This invitation for Expression of Interest (EOI) aims to:

- a) Shortlist the latest technologies available in the market for briquetting of biomass/ bio-residue specifically paddy straw.
- b) Identify the manufacturers of complete briquetting line's machinery available in the market.
- c) Shortlist firms with experience in manufacturing of biomass based briquetting machinery. The shortlisted manufacturing firms would be issued tender documents which will be floated after completion of the EOI process.

3.0 EOI DATA SHEET

Submission of proposal in response to this notice shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.

Name	“Supply, Installation and commissioning of Paddy Straw based Briquetting Plant in Punjab, India”
Name of the Client	Punjab State Council for Science and Technology (PSCST)
Availability of EOI Document on website	26/06/2017
Last date of submission of written queries for clarifications, if any.	Queries are to be submitted either through registered post or through email at stcouncilpb@gmail.com on or before 3/07/2017 by 1700 hours or can be submitted during the pre-bid meeting
Pre-bid meeting	4/07/2017 at 1130 hrs in PSCST Office.
Release of response to clarifications on www.pscst.gov.in	7/07/2017
Last date of submission of EOI	17/07/2017 till 1600 hours.
Mode of Submission of EOI	Hard Copy only
Opening of EOIs	18/07/2017 till 1100 hours in PSCST office
Name and Address for submission of EOI	Senior Engineer, Consultancy Cell, Punjab State Council for Science and Technology, MGSIPA Complex, Adjacent Sacred Heart School, Sector 26, Chandigarh -160019
Contact Details	Ph. +91 172 2792325 (F) +91 172 2793143 +91 9814104784 Email : stcouncilpb@gmail.com Website : www.pscst.gov.in
EOI Processing Fee (Non Refundable)	Rs. 3,000/- (Rupees Three Thousand only) through Demand Draft in favour “Punjab State Council for Science and Technology” payable at Chandigarh
Earnest Money Deposit / Proposal Security (Refundable)	Rs. 10,000/- (Rupees Ten Thousand only) through Demand Draft in favour “Punjab State Council for Science and Technology” payable at Chandigarh. Proposal security of the unsuccessful bidders and non qualified bidders shall be returned within 60 (sixty)

	days from the declaration of qualified bidders.
Period of Proposal Validity	180 days from Proposal Due Date or any extension thereof, sought by the Client

- Bidders can download the EOI document from the website mentioned above and shall submit the requisite EOI Processing fee and Proposal Security along with their EOI. EOI not accompanying any of the fees shall be summarily rejected.
- Client reserves the right to accept or reject any or all the applications to be received without assigning any reasons thereof.

4. PREQUALIFICATION CRITERIA

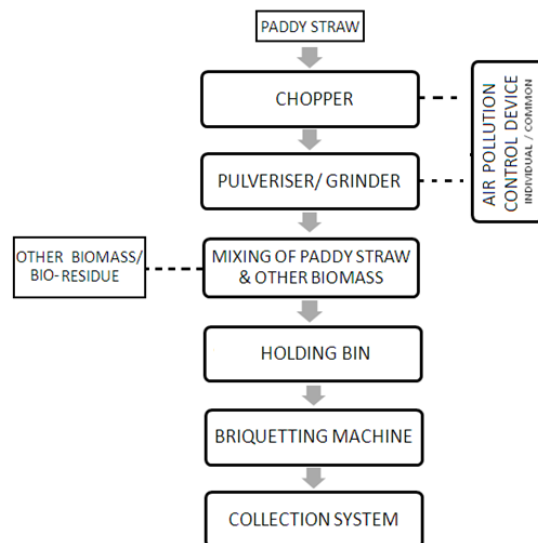
- I. The participant shall be a Original Equipment Manufacturer (OEM)/ Proprietor/ Partnership/ Private Limited/ Limited Company or Cooperative Body & should have been in existence for at least last five years.
- II. It should have manufactured and supplied at least 5 biomass briquetting machines within the last 3 years.
- III. It should have a minimum cumulative turnover of Rs. 150.00 lakh for the last 3 financial years (2013-14, 2014-15 & 2015-16).
- IV. The participant shall not have been black listed by any Government department or agency.

Note: Joint venture or consortium is permissible; PSCST will communicate with the leading partner only. The lead firm should satisfy the pre-qualification criteria.

5. SCOPE OF WORK

The project involves setting up of one unit for demonstrating paddy straw based briquettes in combination with other biomass/ bio-residue as per ratio mentioned in the Table on page 3. The salient components of the briquetting plant are as under:

- a) Chopper
- b) Pulverizer/ grinder
- c) Holding bin
- d) Briquetting machine
- e) Dust separation & collection system
- f) Conveying system



Tentative Layout *

* The material transfer from one stage to another stage should preferably be 100% mechanized. Manual handling if any should be indicated by the firm.

- The firms participating in EOI should submit details of proposed machinery as per format at Annexure IV. The firms would be invited to make presentation before the committee to finalize the technical specifications of the machinery involved in paddy straw briquetting.
- The shortlisted firms after EOI process would be issued tender document for the supply, installation and commissioning of paddy straw based briquetting plant.
- The scope of work of selected manufacturer would be supply, installation & commissioning of complete briquetting plant machinery including system for containment of dust emissions from various sources with air pollution control device for achieving the emission norm as prescribed by the State Pollution Control Board. The selected manufacturing firm should also be responsible for maintenance of the machinery for one year after successful commissioning of the plant including supply of spares and training of local manpower.

6. SUBMISSION OF EOI

- a) The application shall be submitted in a single sealed envelope and superscribed as “EOI for Supply, Installation and Commissioning of Paddy Straw based Briquetting Plant in Punjab” along with **all the supporting documents duly signed and stamped on each page** at the following address by the due date and time:

**Senior Engineer, Consultancy Cell,
Punjab State Council for Science and Technology,
MGSIPA Complex, Adjacent Sacred Heart School
Sector 26, Chandigarh -160019**

- b) No overwriting/change is allowed in submitted EOI documents.
- c) The PSCST shall not be responsible for any postal delay.
- d) Proposal/ EOI submitted at any other place is liable to be rejected. PSCST reserves the right to reject any or all EOI received without assigning any reason.
- e) All revisions, clarifications, corrigenda, addenda, time extensions etc., to the EOI will be posted on www.pscst.gov.in. The applicant should regularly visit this website to keep themselves updated.

7. QUERIES AND ISSUE OF CORRIGENDUM

- a) All queries may be sent by post or email on or before 3/07/2017 as per contact details mentioned under Clause-3 above, Queries received after due date shall not be entertained.
- b) The preferred mode of delivering query is through email. The queries by the applicants shall be raised in the following format:-

Sl.No.	Page	Clause of the EOI	Clarification required

- c) After receiving the queries from interested parties, response to queries will be posted on our website www.pscst.gov.in by 7/07/2017 before 17:00 Hrs.
- d) At any time prior to the last date of receipt of EOI, PSCST may modify the EOI Document by a corrigendum. The corrigendum, if any, shall be posted on our website www.pscst.gov.in.

8. CHECKLIST

The following documents must be submitted along with EOI/ Proposal;

a) Annexure-I • EOI Response letter	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b) Annexure-II along with attested • Copies of work orders and satisfactory completion certificate from the customers.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c) Annexure-III along with • Certified copies of the Audited Balance Sheets • IT Returns of last 3 financial years (2013-14, 2014-15 & 2015-16).	<input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No
d) Annexure-IV along with • Proposed line of supply (Process Diagram of the 24TPD briquetting plant) • Separate list of wearable parts/ spares	<input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No
e) Annexure-V Maintenance Plan	<input type="checkbox"/> Yes	<input type="checkbox"/> No
f) Proof of registered company/ firm/ society.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
g) PAN card	<input type="checkbox"/> Yes	<input type="checkbox"/> No
h) Aadhar Card	<input type="checkbox"/> Yes	<input type="checkbox"/> No
i) EOI Processing Fee of Rs.3000 (DD No.dated _____)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
j) Earnest Money of Rs.10000/- (DD No.dated _____)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Expression of Interest Response Letter
(on letterhead of the firm)

To,

The Senior Engineer,
Consultancy Cell,
Punjab State Council for Science and Technology,
MGSIPA Complex, Adjacent Sacred Heart School,
Sector 26, Chandigarh -160019.

**Subject: Response to EOI No. PSCST/CC/EOI/003 dated for supply,
installation & commissioning including maintenance for one year of
paddy straw based briquetting plant**

Dear Sir,

We have gone through the above referred EOI and understood your requirements with respect to supply, installation & commissioning of paddy straw based Briquetting Machine plant (24 TPD output side capacity) along with Air Pollution Control Device (APCD) for achieving emission norms prescribed by State Pollution Control Board and one year maintenance after successful commissioning of the said plant including spares.

We fulfill the pre-qualification criteria and undertake that;

1. We have noted, understood and agreed to all the terms and conditions of the EOI. In token of our acceptance we have enclosed the EOI duly signed by the authorized representative.
2. I/ We am/ are.....(Original Equipment Manufacturer (OEM)/ Proprietorship/ Partnership/ Private Limited/ Limited Company or Cooperative Body) and I/We have enclosed the registration certificate issued under the Companies Act 1956/2013/Limited Liability Partnership Act 2008/Partnership Act 1932/Co-operative Society Act 1912/Trust Act 1882 Service Tax laws/Professional Tax registration certificate as documentary evidence.
3. We have the total experience of years in the field of manufacturing of biomass based Briquetting Machine as on 31st March 2017. (Documentary proof attached)
4. I/ we have enclosed the work order/ completion certificate towards supplying of Briquetting Machine with/without APCD issued by M/s..... as documentary evidence.
5. The average annual turnover in 3 financial years i.e. 2015-16, 2014-15 and 2013-14 is Rs..... from the manufacturing & supply of Briquetting Machines. I/ We have enclosed the Annual report/ Financial Statements (CA Audited Balance Sheet, P&L Statement and Cash Flow Statement) of last 3 years as documentary evidence.

6. I/ we have enclosed the PAN Card copy and the CST/ VAT/ Service Tax registration certificate.
7. I/ we have our manufacturing facility at..... and Corporate office at
8. We confirm that we have not been blacklisted/ debarred by any Government Department or agency.
9. We have enclosed our brief profile and list of our major clients for your consideration.
10. We have also enclosed details/ proposed line of supply (Process Diagram of the 24TPD briquetting plant).
11. We are ready to make presentation on our proposal before the Committee.

For_____

(Name and designation of Applicant with Seal)

Encl: Documents as per Checklist

DETAILS OF EXPERIENCE IN MANUFACTURING OF BRIQUETTING PLANT MACHINERY
Customer References related to briquetting plant machinery that the Applicant has completed

S. No.	Name, Address Contact No. & E-mail ID of the Client*	Specifications of briquetting plant				Work order No./ Completion Certificate	Present Status (Functional/ Non- functional)
		Raw Material (Type & Quantity)	Briquette Production Capacity (TPH)	Power Consumption by the entire plant machinery (kW)	APCD (Attached /Not Attached)		
1.							
2.							
3.							
4.							
5.							
6.							

*Please attach the attested copies of work orders and satisfactory completion certificate from the customers for all the references mentioned above (atleast 5 in the last 3 years).

Signature of the applicant with Seal

DETAILS OF ANNUAL TURNOVER**Annual Turnover of the participant (for last 3 financial years)**

S. No.	Financial Year	Turnover (Rs. in lakh)	ITR (Rs. in lakh)
1.	2015-16		
2.	2014-15		
3.	2013-14		

Please attach the certified copies of the CA Audited Balance Sheets & IT Returns of last 3 financial years of the applicant.

Signature of the applicant with Seal

DETAILS OF PROPOSED PADDY STRAW BASED BRIQUETTING PLANT (24TPD PRODUCTION)

S. No.	Description of Major Components*#	SPECIFICATIONS			
		Production Capacity (TPH)	MOC	Power Consumption (kW)	Any Other
1.					
2.					
3.					
4.					
5.					
6.					
7.					

* Please attach the proposed line of supply (Process Diagram of the 24TPD briquetting plant in available shed area of 70' x 100') & mention all components of the plant.

Please attach separate list indicating life of wearable spare parts, their life, annual requirement and likely cost.

Signature of Applicant with Seal

Maintenance Plan

S. No.	Part / Component	Warranty Period	I st Year Maintenance Cost	2 nd Year Maintenance Cost	3 rd Year Maintenance Cost
			(in Rs.)		
1.					
2.					
3.					
4.					
5.					
6.					
7.					

Please attach details of operating life of major components of the plant & machinery and its cost for estimating the annual maintenance cost of the proposed plant.

Signature of Applicant with Seal