

# **PUNJAB STATE BIOTECH CORPORATION, MOHALI**

## **BID DOCUMENT**

To

**“Patent Landscape Study Regarding F&V  
(Fruits and Vegetables) and C&G (Cereals  
and Grains) Processing”**

2021

**Punjab State Biotech Corporation,**  
(Deptt. of Science, Technology & Environment, Punjab)  
C-134, Industrial Focal Point, Phase-VIII,  
SAS Nagar (Mohali) - 160 071



**PUNJAB STATE BIOTECH CORPORATION**

(Deptt. Of Science, Technology & Environment, Punjab)

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071

Phone: 0172-5020896, 5020892, 5020893

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**NOTICE INVITING e-BID no. e-bid/PSBC/2021/01**

1. Punjab State Biotech Corporation (PSBC) hereby Invites e-bids from the bidders:

Notice Inviting e-Bid No.	Name of the Work	Earnest Money (in INR)	Last date for bidding
e-bid/PSBC/2021/01	Patent Landscape Study Regarding F&V (Fruits and Vegetables) and C&G (Cereals and Grains) Processing	16,000/-	20.04.2021

2. Further details regarding the eligibility criteria and other terms and conditions for the above bid are given in the Bid document which can be downloaded from the website <https://eproc.punjab.gov.in> & <http://www.pbttilabs.com/psbc/>. The bidding process shall be carried out online through <https://eproc.punjab.gov.in>. For any clarification/difficulty regarding e-bidding process, please contact 0172-2970263, 2970284.

The schedule of major activities in this regard is as under:

Online Availability of Bid Document	Last date and time for submission of online bids	Date & time for Submission of Hard copies Techno-commercial bids in the office of PSBC	Date, time and venue of Opening of Bids
07.04.2021 to 20.04.2021	20.04.2021 till 02.00 PM	20.04.2021 till 03.00 PM at Reception of PSBC	Bids will be opened online on 20.04.2021 at 1530 Hrs.

3. Corrigendum/Amendment, if any will be published on website, therefore, please keep visiting our website <https://eproc.punjab.gov.in> & <http://www.pbttilabs.com/psbc/>
4. Director, PSBC reserves the right to accept or reject all or any of the bids without assigning any reason thereof.

**AF&AO  
For Director**

## IMPORTANT INSTRUCTIONS FOR FILLING AND SUBMISSION OF E-BID

1. This is an e-bid in which bids are being invited online and it is mandatory to submit Techno-Commercial Bid online at <https://eproc.punjab.gov.in> by specified date and time. Though bid document is also available on the website of the Punjab State Biotech Corporation (PSBC) i.e. <http://www.pbttilabs.com/psbc/>, but that is just for information of prospective bidders. Online submission of bids through <https://eproc.punjab.gov.in> is mandatory. **Bidder may search out the e-bid document on eproc.punjab portal on under Deptt. of Science, Technology & Environment and organisation, Punjab Biotechnology Incubator(PBTI).**
2. Bidder must deposit Earnest Money Deposited (EMD) online as per mode specified in the website <https://eproc.punjab.gov.in>. EMD in any other mode will not be accepted by this office.
3. **Pre-Bid meeting** shall be held on **12.04.2021** at **11:00 AM** in the conference room of PSBC.
4. No exemption from submission of EMD is available to any class or category of bidders. Bids for which EMD not received by PSBC shall be rejected straightaway.
5. Sealed Envelope containing Hard copies of techno-commercial bid is also required to be submitted by the date and time specified in bid document.
6. The bidder shall read all the terms and conditions of the bid document thoroughly before submission of bids.

**PRE-QUALIFICATION REQUIREMENTS**

- a. Copy of Certificate of Incorporation/Registration of Company/firm
- b. Photocopy of TAN, PAN, GST registration no. etc
- c. Firms should be of good standing with minimum experience of 05 years in dealing with related issues.
- d. List with documentary evidence of having executed at least three (03) similar works.
- e. Experience of working with Government Organization, Enterprises/PSUs would be an added advantage.
- f. Firms must have the requisite infrastructure and in-house capability for such kind of works
- g. If any information furnished by the bidder is, at any stage found to be incorrect, false or fabricated, PSBC shall have the absolute right to forfeit EMD and security deposits, in addition to cancellation of contract and other action in accordance with law, such as debarring etc. However, the amount which becomes payable for the work completed to the entire satisfaction of PSBC up-till the date of cancellation of the contract, shall be paid without prejudice to PSBC's right to recover any amount under the provisions of this contract.
- h. An affidavit duly certified by a Notary [Attach as enclosure & refer here] that the Partners of the firm sole Proprietor or Company has never been black-Listed/ not involved in any Police Case/ Vigilance enquiry pending or ever been punished by any Hon'ble Court
- i. The Director, PSBC shall have the right to constitute Evaluation Committee to check/scrutinize the information/documents as submitted by the applicants for its satisfaction and to assess the capability of the firm to execute the work.
- j. The Director, PSBC reserves the right to modify/relax any of the conditions while evaluating the pre-qualifications bids. It further reserves the right to reject or accept any of the bids without assigning any reasons whatsoever. PSBC is under no obligation to inform the Bidders of the reason of the selection or rejection.
- k. Only those applicants who are pre-qualified under this procedure will be considered for price comparison.

## PUNJAB STATE BIOTECH CORPORATION, MOHALI

## NOTICE INVITING BID AND INSTRUCTIONS TO BIDDERS

**Secondary Agriculture Entrepreneurial Network (SAEN) is a multi –institutional networking project** aimed to support industry and promote new start-ups in the Agri-food sector in Punjab. The project is being implemented by **Punjab State Biotech Corporation** with the support of **Biotechnology Industry Research Assistance Council (BIRAC)-Department of Biotechnology, Govt.**

1. Online bids in the prescribed form are hereby invited on behalf of the Punjab State Biotech Corporation, Mohali for performing a Patent Landscape Study for F&V (Fruits and Vegetables) and C&G (Cereals and Grains) Processing sector.
2. **The time allowed for the completion of the work is 04 (Four) weeks from the date of issue of Work order.**
3. Amount of work shall be quoted in words as well as in figures in the price bid attached in this bid form (document).
4. **Bid Document Fees, Earnest Money Deposit:**
  - a. Earnest Money amounting to Rs.16,000/- (Rupees Sixteen Thousand Only) must be deposited online as mentioned in the bid notice. Earnest money in any other form will not be accepted.
  - b. Bids for which Earnest money, as stated above or less than the amount stipulated, not deposited shall be rejected.
  - c. Earnest money/security deposit/any other sums of the bidders lying with the PSBC in connection with any other bid/case will not be considered against this bid.
  - d. The EMD of those bidders who have been disqualified in bids shall be refunded.
  - e. The EMD of successful bidder shall be refunded after submission of final report.
5. PSBC will not pay any interest on any deposit made by bidder in any form. The offer shall remain open for Acceptance for a period of Ninety Days (90) from the date of opening of the Bid. The earnest money shall be forfeited if the bidder withdraws or modifies his offer within the validity period or fails to execute the work after the acceptance of his offer. After the forfeiture of earnest money, the contract shall be immediately nullified.
6. The PSBC does not bind itself to accept the lowest rate or any bid and reserves to itself, the right of accepting the whole or part of the bid and Bidder shall be bound to perform the same at the quoted rates.
7. Incomplete bids or bids not fulfilling any of the conditions specified above are liable to be rejected without assigning any reason.
8. Bidder has to submit required document both online and through post. Mere submission of hard copy through post shall not make the bidder eligible.
9. The Bidder shall submit the Techno-Commercial bid in as single part super scribed as **“Bid to Patent Landscape Study Regarding F&V (Fruits and Vegetables) and C&G (Cereals and Grains) Processing”**.

**Step – 1.** The bidder will get the registration done as specified in the publication notice.

**Step – 2.** The bidder has to submit online scanned copies of all the required documents for Pre-Qualification and bid document.

10. **Opening of Bids** - Online Techno-Commercial Bids will be opened by PSBC/PBTI on **20.04.2021 at 1530 Hrs.**
11. The bidder should quote rates in English in figures as well as in words.  
The quotation shall be clearly and legibly written and each and all pages of the bid document must be signed by the authorized signatory of the bidder and seal affixed. Erasing or over writing shall not be allowed. Corrections in the quotations should be avoided but if this becomes unavoidable, each correction should be signed separately and without ambiguity. Signature will indicate acceptance of the contents of those bid papers by the Bidders.
12. During technical evaluation of the Bids, Punjab State Biotech Corporation may, at its discretion, ask bidders for clarification on their bid. The bidders are required to respond within the time frame prescribed by Punjab State Biotech Corporation.
13. If any information furnished by the Bidder is, at any stage found to be incorrect, false or fabricated, the PSBC shall have the absolute right to forfeit EMD, in addition to cancellation of contract and other action in accordance with law, such as debarring etc.
14. All communications including the submission of quotations in sealed envelopes should be addressed to the office of Director, Punjab State Biotech Corporation, Camp Office: Punjab Biotechnology Incubator, C-134, Industrial Focal Point, Phase-8, SAS Nagar (Mohali), Punjab with caption as **“Bid for Patent Landscape Study Regarding F&V (Fruits and Vegetables) and C&G (Cereals and Grains) Processing”** on the envelope.
15. Prices are firm admitted, no escalation, except statutory variations during the original period of delivery. 100% payment shall be released by PSBC after completion of work and handing over the final report to the satisfaction of PSBC.
16. The jurisdiction of Civil Court for matters under dispute shall be SAS Nagar (Mohali).

**BID FOR WORKS**

I/we hereby offer to execute for the Punjab State Biotech Corporation, Mohali the work specified in the underwritten Memorandum within the time specified in such memorandum.

**Memorandum**

- a) General Description : Patent landscape study regarding F&V (Fruits and Vegetables) and C&G (Cereals and Grains) Processing
  
- b) Earnest Money : 16,000/-
  
- c) Time allowed for completion : 04 Weeks  
from the date of issue of  
Work Order

I/We hereby agree to abide by and fulfill all the terms and provision of the said conditions of contract annexed hereto and all the terms and provisions contained in the detailed "Notice Inviting Bid" and / or in default there to forfeit and pay to PSBC the sum of money mentioned in the said conditions.

A sum of Rs.16,000/- (Rupees Sixteen thousand only) deposited as Earnest Money will be forfeited without prejudice to any other right or remedies to the PSBC

I should I/We (i) Withdraw or modify my/our offer during the period of validity or (ii) fail to commence the work within 10 (ten) days from the date of issue of work order.

Dated the ..... day of..... 2021

signature of Bidder.

Witness\_\_\_\_\_

Address\_\_\_\_\_

Address\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Occupation\_\_\_\_\_

Telephone\_\_\_\_\_

The above offer is hereby accepted by me on behalf of the Punjab State Biotech Corporation, Mohali.

Dated the ..... day of ..... 2021

Signature (Designation)

## Scope of Work

- A. Objective:** The aim of this study is to perform a patent landscape study in the field of F&V (Fruits and Vegetables) and C&G (Cereals and Grains) Processing for all kinds of products prepared by processing of the below mentioned crops. The list has been divided into primary and secondary, the former being mandatory and the later to be worked upon as per the availability of time.

### Primary Requirement (Case 1):

S.No.	Fruits	Vegetables	Cereals & Grains	Others
1	Kinnow	Potato	Maize	Sugarcane
2	Guava	Pea	Soyabean	Turmeric
3	Pear	Chilli		Honey
4	Amla	Garlic		
5		Tomato		

### Secondary Requirement (Case 2):

S.No.	Fruits	Vegetables	Cereals & Grains
1	Litchi	Carrot	Wheat
2	Peach		Rice

The technologies may be searched in the areas pertaining to Secondary Agriculture (processing, storage, novel products, nutraceuticals, shelf-life extension interventions etc.) excluding technologies related to pesticide, genetic engineering etc. Some keywords under areas are given below for reference.

**Processing** - Peeling, Size reduction, Destoning, Canning, Filtration, Oil Extraction, Concentration etc.

**Processed Products**- Fruit juices, Chips and fries, Canned products, Preserves, Pickles, Concentrates: sauce & puree, Alcohol beverage, Dried & Frozen products, Puffed products etc.

**Storage**- Refrigerated & Frozen etc.

**Novel products**- Lycopene oleoresin from tomatoes, Maize-germ oil high in unsaponifiable matter, Pasteurized fruit-based preparations produced using high-pressure treatment, Fermented soybean extract, Sugar cane fibre etc.



**Nutraceuticals-** Allicin in Garlic, Curcumin in Turmeric, Eugenol in Guava, Capsaicin in Chilli, Hydrolyzed proteins, Phytonutrients etc.

**Shelf-life extension interventions-** Pre-cooling, Modified Atmospheric Packaging (MAP), Controlled Atmospheric Packaging (CAP), Sterilization, Pasteurization, Irradiation, Hurdle technology, Surface Coating, Control of pH, Low-temperature storage, Acidification, Fermentation, adding preservatives, Adding antioxidants, Controlled ripening, Osmotic dehydration etc.

Patents may be searched under the **IPC Classification codes:** A01K, A01P, A21C, A21D, A23B, A23D, A23L, A23N, A23P, A61P etc.

#### **B. Scope of the Study:**

- a. Time period: Last 10 years extendable up to 15 years.
- b. Geographical Coverage: India and Worldwide
- c. Document Type: Patents/Published Patent Applications/Non-patent literature
- d. Focus: Patent/non patent literature by Industry and Institutes
- e. Time Frame for completing the work: 4 weeks

#### **C. Tasks to be performed**

- a. Technical understanding of Project requirements and Project Scoping
- b. Preparing Patent Search Strategy
- c. Conducting a search on Indian and Global patent (and non-patent) databases
- d. Extracting relevant Patent literature highlighting the research trends and technologies relevant for Punjab especially to crops mentioned above
- e. Categorizing the relevant patent literature records as per the approved taxonomy structure
- f. Visual Representations in this regard to be received from the firm from time to time starting at the beginning of the project.
- g. Analyzing and Identifying white spaces
- h. Preparing a report
  - i. An MS Excel master file containing the complete list of patent records, search strategy used, selection criterion for relevant patent records, detailed categorization of each relevant patent record
  - ii. Preparing a summary presentation containing charts based on bibliographic content, taxonomy fields and key findings
  - iii. Providing an MS word or Pdf file containing short overview of interesting patent records

## COMMERCIAL BID / PRICE BID

S.No.	Description		Amount (Rs.)
1.	Patent landscape study regarding F&V (Fruits and Vegetables) and C&G	<b>Primary Requirement (Case 1)</b>	
2.	(Cereals and Grains) Processing	<b>Secondary Requirement (Case 2)</b>	
3.	GST, If any		
<b>Total Amount</b>			

Total \_\_\_\_\_

Rebate, if any, \_\_\_\_\_

Net Amount: -in fig.: \_\_\_\_\_

in words: \_\_\_\_\_

## Notes:

- 1) Where there is a discrepancy between the rate in figures and words, the rates in words will govern.
- 2) If any bidder offer any rebate the same should be given in figures and as well as in words.

Signature with stamp of the Bidder