

PUNJAB AGRI EXPORT CORPORATION LTD  
CHANDIGARH

Terms and Conditions

EOI for design, supply, installation, commissioning of setting up of fabricated PUF panel Cabin Hut/Outlet along with required Civil work (foundation) for sale of Organic products under brand name "FIVE RIVERS" at 6 districts of Punjab namely Ropar, Patiala, Ludhiana, Jalandhar, Sangrur & Amritsar in Punjab.

The interested parties will be required to submit design & commercial offers separately along with Expression of Interest.

SCOPE OF WORK (for each site/district):

1. 1 No. new insulated fabricated PUF Panels for PUF Cabin Hut/Outlet size (22 x 20 x 10) will be created as per approved design at the given sites of above mention districts with all accessories, machinery, equipments along with required civil work.
2. Cabin Hut will be made with wall panel of 80 mm and roof panel of 80 mm of good quality PUF material.
3. Roof Panel should be trapezoidal profile on the top surface and a ribbed liner tray on the underside and a sandwiched insulation of PUF.
4. 1 no. ACs (1.5 ton) Split type of standard make like Blue Star, Carrier, Arctic, Guntner, Hitachi, O-general, Daikin shall be provided.
5. All gas pipe line in copper with standard fittings and properly supporting system.
6. The control and automation system of temperature, humidity and other safety devices should be of make Dixell/Carel/Honeywell or equivalent and should be microprocessor based.

### Eligibility Criteria:

Bidder participating in the EOI process shall possess the following minimum prequalification/eligibility criteria: -

S. N.	Basic Requirement	Specific Requirement	Documents Required
1	Legal Entity	The bidder should be: 1. A proprietorship firm duly registered under a Central Act/Act of Punjab/, as applicable. OR 2. A company registered under Indian Companies Act, 1956. OR 3. A partnership firm registered under Indian Partnership Act, 1932. OR 4. A society registered under any Central Act /Act of Punjab, as applicable.	1. Copy of valid Registration Certificate  2. (a) Copy of valid Registration Certificate. (b) Copy of Certificate of Incorporation.  3(a) Copy of valid Registration Certificate. (b) List of partners. (c) Copy of Partnership Deed.  4. Copy of valid Registration Certificate from ROS
2	Financial Turnover	The minimum average annual turnover of the bidder must be Rs. 1.00 crore for each financial year i.e. last three financial years, i.e. FY 2015-16, 2016-17 & 2017-18.	CA's Certificate with CA's Registration Number/Seal.
3	Technical Capability and Experience	The bidder must have installed/supplied the PUF Panels/ cold room and its refrigeration system to corporate/ MNCs/ Co-operative Societies/ Semi Government organizations/ Government Departments during the last one year etc.	Copy of work order & other documents in this regard. Performance certificates from the Department/Agency/Company/ Customer where the executions have been done should be attached in support of claim.
5	Tax registration and clearance	The bidder should have : i. GST registration iii. PAN	Copies of certificates of registration of GST, Service Tax and PAN.

### Payment Terms:

The payments terms are as follows:

1. 20% after supply of material at site against Material Receipt Note.
2. 60% against successful commissioning and seven days of trial.
3. 20% balance will be released against the submission of Bank Guarantee for a like amount valid for warranty period.
4. The Earnest Money Deposit (EMD) shall be released after six month of successful commissioning of each hut and all other equipments/ machinery.
5. The time period for completion of work will be 60 days from date of work order.
6. In case of delay in commissioning, a penalty @ 5% per week up to 2 weeks and after that @ 10% of the total order value shall be imposed.
7. The statutory deductions shall be made as per prevailing rates & terms.

### Inspection:

1. The PAGREXCO shall have the full authority to inspect the works at any time, at any stage. The successful party shall provide adequate facilities to carry the inspection work. The successful party should be present himself or his authorized representative during the inspection so that the PAGREXCO can convey the instruction regarding the works.
2. If any work executed by the tenderer is found to be of bad workmanship, then the same is to be dismantled and re-executed by the contractor without claiming any extra payment or extension in time period.
3. If, for any work, no specification has been given in the EOI documents, then the work will be executed as per the IS specifications, and if the work is not covered by IS specifications also, then it should be executed as per standard practice, subject to approval of PAGREXCO.
4. The successful party shall agree to any third party testing of material supplied & commissioned by PAGREXCO at any stage of the work.

### Other Terms & Conditions:

1. The companies like Blue Star, Jindal, Lloyd, Voltas, Frick India, Carrier, Rinac, Arctic, Guntner and their authorised distributor/dealer are only eligible for participation in EOI.
2. The design for this hut/sale outlet is to be submitted by the participating party along with the technical & commercial bid.
3. The PUF panel Cabin Hut/Outlet is to be set up at 6 districts of Punjab. Further, these Organic Huts can be constructed in other District also.
4. Prices should be inclusive of GST, other taxes, installation, Commissioning and FOR site for all the above mentioned 6 sites.
5. The exact site locations for hut/sale outlet for each district would be given to the successful party post finalization of design, terms & conditions etc.
6. The material/machines/equipments supplied should be warranted for 24 calendar months from the date of commissioning.
7. The rates should be valid up to July 2019.
8. Conditional expression of interest should not be accepted.
9. The accessories like sensors cabling, switch gears, pipes for water supply and others not specified in the terms & conditions, labour for erection and commissioning shall be provided by the successful party.
10. The electrical control panels should be Schneider/Siemens/Crompton Greaves make only.
11. Electric wires and switch gears should be Schneider/ABB/Siemens/Crompton Greaves make only.
12. The quality of the PUF Panel would be checked at the delivery site and should be as per the given specifications.
13. A separate Purchase order/ award of contract will be issued to the successful party.
14. Scope of work also includes electrical/ electronic, mechanical work.
15. The contractor shall hand over the project in full.
16. The suppliers shall comply with all labour laws and PAGREXCO shall not be responsible for violating any labour laws for deployment of labour for the Job.
17. After completion of work the successful party shall remove all waste material,

the temporary structure if any constructed by him and clear the site as per instruction of PAGREXCO, otherwise same will be done at the risk & cost of party.

18. The no. of PUF panel Cabin Hut/Outlet can be decrease at any stage with the sole discretion of competent authority of PAGREXCO.
19. In case of delay due to force majeure, the affected period may be extended by the authority of deemed fit. It is at sole discretion of PAGREXCO.
20. In case of any disputes/differences of opinion related to this tender bid or its interpretation, the decision of Managing Director, PAGREXCO shall be final and binding on the parties.
21. All disputes will be subject to Chandigarh jurisdiction.

ACCEPTED  
(Signature of authorized person)  
(Stamp)

# Punjab Agri Export Corporation Limited

## Chandigarh

### Expression of Interest for Setting up of Organic Hut:

Setting up of fabricated PUF panel Cabin Hut/Outlet along with its design and required civil work at Ropar, Patiala, Ludhiana, Jalandhar, Sangrur & Amritsar.

From:

M/s \_\_\_\_\_

\_\_\_\_\_

Phone Nos.

\_\_\_\_\_

Email

\_\_\_\_\_

Mobile Nos.

\_\_\_\_\_

Website

\_\_\_\_\_

To

The Managing Director,  
Punjab Agri Export Corporation Limited,  
2-A, Sector 28-A, Madhya Marg,  
Chandigarh-160002, India.

Dear Sir,

Reference your Expression of Interest in \_\_\_\_\_ (Name of News Paper) dated\_\_\_\_\_.

1. I/we want to participate for design, supply, installation and commissioning of fabricated PUF Panels includes all equipments & spares and other equipments/ material for set up PUF Cabin Hut/Outlet along with its drawing & required civil work (foundation) as per details given for sale of Organic products under brand name "FIVE RIVERS" at Ropar, Patiala, Ludhiana, Jalandhar, Sangrur & Amritsar districts of Punjab.
2. The manufacturer/ authorised distributor/dealer should attached registration certificate from Blue Star/ Jindal/ Lloyd/ Voltas/Frick India/Carrier/ Rinac/ Arctic/ Guntner. Authority letters will not be accepted.
3. Technical specifications are as per Annexure-1 attached.
4. Commercial Bid is as per Annexure-2 attached.
5. Design of hut/sale outlet is also attached along with technical bid.

6. I/we have thoroughly examined and understood the enclosed terms & conditions and specifications for design, supply, installation, commissioning of fabricated PUF panel Cabin Hut/Outlet along with required civil work (foundation) of the EOI issued by PAGREXCO.
7. I/we have remitted the cost of EOI Rs.5,000/- (Rs. Five Thousand only) non refundable and Earnest Money deposit of Rs.50,000/- (Rs. Fifty Thousand only) through Demand Draft having Draft No.\_\_\_\_\_ Dated\_\_\_\_\_ payable at Chandigarh on \_\_\_\_\_ bank, or I/we have transferred in PAGREXCO's OBC Bank A/c No. 0618211100019, IFSC: ORBC0100618.
7. My/our particulars are as follows:
  - a. Name
  - b. Complete Postal Address
  - c. GST no.
  - d. EPF/ESI Code
  - e. PAN
  - f. Registration Certificate of the Manufacturer/Distributor/Authorised dealer from Blue Star/Voltas/Frick India/Carrier/Rinac/Arctic/Guntner is enclosed.
  - g. Turn over certificate for last three years issued by Chartered Accountant
  - h. Phone No
  - i. Mobile No
  - j. E-mail ID
  - k. Website

Note: Please enclose the copies of documents mentioned above at Sr.No.(c to g)

8. Description and technical specifications are attached and are of generalised nature and some of the important aspects might not have been mentioned, but the successful party shall assume complete responsibility for supply of material free from any defect in design, composition, workmanship and performance for guarantee suitability of environment control and its versatility.
9. The supplier should manufacture/supplied the PUF Panels, AC and other required machinery/ instruments as per given specifications.
10. The design of organic Hut/outlet should be submitted as per the specification by the participating party along with their bids.
11. Punjab Agri Export Corporation Limited (PAGREXCO) reserves the right to reject any offer in complete in any respect and to make any amendments in the design, specifications & quantity at any stage.

12. PAGREXCO does not, bind itself to accept the lowest offer or assign any reason for non-acceptance. It can accept or reject any or all the offers without assigning of any reason thereof, in the interest of Corporation.
13. I/we hereby further declare and affirm that we have carefully gone through the terms & conditions laid down by the PAGREXCO and I/we shall abide by these conditions. Copy of design/drawing, specifications and terms & conditions attached with this EOI offer has been duly signed on each page as a token of acceptance of the terms & conditions.
14. I/we hereby declare that the entries made in this EOI offer are correct to the best of my/our knowledge and belief.

(Signature of authorized person)  
(Stamp)

Enclosures: as above.



## TECHNICAL SPECIFICATIONS

ANNEXURE-I

### Setting up of Fabricated PUF Panel Organic Hut in Punjab

SIZE: (22 x 20 x 10)

#### PUF PANEL SPECIFICATION

The wall and ceiling of the insulated cold rooms are to be constructed using pre-fabricated, self supported, sandwich panels insulated with rigid polyurethane foam of required thickness. Sandwiched panels shall be CFC free, manufactured using high-pressure foam injection equipment in a precise ratio and proportion. The properties of the polyurethane insulation shall be as under:

Physical Properties	Unit	Value
Total Foam Density	Kg/m <sup>3</sup>	40 (minimum)
Compressive Strength At 10% Deformation (in thickness direction)	Kgf/cm <sup>2</sup>	1.0 (Min)
Compressive Strength At 10% Deformation (in Length direction)	Kgf/cm <sup>2</sup>	1.6 (Min)
Tensile - Adhesion Strength (Foam To Steel) -(in thickness direction)	Kgf/cm <sup>2</sup>	0.8 (Min)
Thermal Conductivity Or K-Value At 10° C Mean Temp	W/m <sup>2</sup> K	0.023 (Max)
Closed Cell Content	%	90 -95
Water Absorption (By Volume)	%	2 (Max)
Flammability		B-3 Grade
Temperature Range	C	Minus 60 to 80
Yield Strength	Mpa	240
Tensile Strength	Mpa	240
PUF Thickness for frozen and dual application chambers as per IS 3792	Mm	150
PUF Thickness for cold store chambers as per IS 3792	Mm	120
PUF Thickness for Ripening Chambers as per IS 3792	Mm	60
Zinc coated colored cladding thickness for PUF Panels	Mm	0.50

Grade of zinc coating as per IS 277:2003	g/m2	220
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- 1) The skin material for the wall and ceiling panels shall of galvanized steel sheet of minimum 0.5 mm thick and shall be CRC conforming to IS: 513.
- 2) The base sheet will be hot dip galvanized with zinc coating of 120 GSM as per IS: 277 with grooved profile to enhance support and aesthetics.
- 3) The coating on GI sheet will be with silicon modified polyester coating (SMP) as per IS: 14246:95.
- 4) The total top coating including base coat will be 20-25 micron and bottom coat will be 5-8 micron epoxy primer.
- 5) The cladding sheet shall be provided with a protective polythene guard film of minimum 40 micron to protect panels from scratches during transportation.
- 6) The jointing system of the panels shall be designed to ensure a quick and secure assembly at site, with the help of tongue and groove joints. The joints shall be made hermetic and perfectly vapour tight by use of RTV silicone sealants for refrigeration.
- 7) The wall panels shall be in single lengths to match the room height and width of ceiling / wall panels shall be min1.2 meter, in order to minimize the number of joints.
- 8) The system shall be complete with all ancillary items like, PPGI Sheet flashings, ceiling panel's suspension system (if required), silicone sealants, foam chemicals and all other components & accessories as required.
- 9) The wall panels shall not buckle under the operating weight of the same. Similarly, the ceiling panels should not sag under self-weight as well as the weight of light fitting, etc. which are to be suspended from the ceiling panels.
- 10) Roofing panel is a structure panel with a trapezoidal profile on the top surface and a ribbed liner tray on the underside and a sandwiched insulation of PUF. Roofing panel should be of 40(+38) mm thick PUF Insulated with PCGL/PCGI Lamination.
- 11) Outer Skin: 35 x 250 mm trapezoidal profile with two secondary ribs & anti-capillary flute. Inner Skin: Ribbed aluminium foil/ craft paper facing.

### PUF PANEL INSTALLATION

The panels should be installed with skilled work men. Care should be exercised to seal the joints adequately using the best sealant. Following points are the guidelines for a successful work.

- U-Profiles should be fixed to the ground and levelled for installing wall and partition panels.
- Install the panels in the groove of the channel and assemble together.
- The gaps between channel and ground channel and PUF Panel should be plugged with suitable compounds.
- The joints between the panels should be sealed using Silicon compound. The Silicon compound should be injected into the gap and finished neatly.

- The wall panels have to be fixed to structure as mentioned in point above. The vertical panels should be assembled in perfect plumb level.
- Hygiene and Aesthetics of insulation is to be considered.
- Continuous Panels are to be used. Appropriate Joints are to be provided wherever necessary.

### Specification for Civil Work:

1. Cement concrete 1:8:16 in foundation and plinth.
2. Brick work in mortar 1:6 in foundation & plinth.
3. RCC (M-25) 1:2:3 for column, beams in foundation & plinth.
4. Horizontal Damp Proof Course (HDPC) 40mm of cement concrete 1:2:4.
5. Earth filling under floor with surplus soil taken from outside building plinth laid in 6 inch layer.
6. Base course of flooring 100mm thick fine sand and 100 mm thick cement concrete 1:8:16.
7. Flooring with vitrified tiles of good quality.
8. Cement plaster to walls in cement mortar 1:5.

**Annexure-2**

Punjab Agri Export Corporation Limited  
Chandigarh

**Commercial Bid**

<b>S.N</b>	<b>DESCRIPTION</b>	<b>RATE (In Rs.)</b>
1.	Rate per Organic Hut/ Outlet at 6 sites	1. Ropar: Rs. _____ 2. Patiala : Rs. _____ 3. Ludhiana: Rs. _____ 4. Jalandhar: Rs. _____ 5. Sangrur: Rs. _____ 6. Amritsar: Rs. _____
2.	GST and other taxes, if any per site	1. Ropar: Rs. _____ 2. Patiala : Rs. _____ 3. Ludhiana: Rs. _____ 4. Jalandhar: Rs. _____ 5. Sangrur: Rs. _____ 6. Amritsar: Rs. _____
3.	Total Rate for all 6 Hut/ Outlet (inclusive of GST/other taxes)	Rs. _____

**(Signature of authorized person)**  
(Stamp)