

# Punjab Agro Juices Limited

(Punjab State Government Undertaking)

2-A, Sector 28-A, Chandigarh, ph: 0172-4640060, 4640070

Email: [pajlchd@punjuice.in](mailto:pajlchd@punjuice.in) website: [www.punjuice.in](http://www.punjuice.in)

## Tender for supply of Machinery & Equipment and Packing Material

Punjab Agro Juices Limited (PAJL), a Punjab Government undertaking intends to Purchase the following for its Hoshiarpur Plant.

Sr. No	Brief Description	Quantity (Tentative)
1.	Supply and Commissioning of 2 Cavity Semi Automatic PET Blowing Unit with Accessories	Minimum 1000 Bottles per hour
2.	Supply of S.S. Kettle (Tilting type), S.S. Mixing Tank, S.S. Pulper, Crown Crimping Machine	Working Capacity (minimum) 200L/100L/ 1500 kg/ hr
3.	Supply of Preform for 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml PET Bottles	1,00,000 per Month
4.	Shrink Labels for 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml PET Bottles	1,00,000 per Month
5.	Caps/Plastic Closure (Neck Size 28mm)	1,00,000 per Month
6.	Corrugated Boxes for 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml PET Bottles	7000 per Month
7.	PET Bottles of 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml	2,00,000 Bottles

Sealed tenders from reputed manufacturers/ distributors are invited for the supply of above. Detailed specification can be had from our website [www.punjuice.in](http://www.punjuice.in) or from office/ plants. Interested parties may send their bid in sealed envelop super scribing "Tender for (brief description)", by 20.07.2016 to this office. Quantity prescribed can be increased/ decreased as per requirement. The management reserve the right to reject any or all the bid/ bids without any assigning any reason.

**Chief Executive Officer**

**INDEX OF SPECIFICATIONS FOR TENDER FOR SUPPLY OF  
MACHINERY & EQUIPMENT AND PACKING MATERIAL**

Sr. No	Brief Description	Page No
1.	Supply and Commissioning of 2 Cavity Semi Automatic PET Blowing Unit with Accessories	3-5
2.	Supply of S.S. Kettle (Tilting type), S.S. Mixing Tank, S.S. Pulper, Crown Crimping Machine	6-8
3.	Supply of Preform for 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml PET Bottles	9
4.	Shrink Labels for 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml PET Bottles	10
5.	Caps/Plastic Closure (Neck Size 28mm)	11
6.	Corrugated Boxes for 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml PET Bottles	12
7.	PET Bottles of 200ml, 250ml, 300ml, 500ml, 600ml, 1000ml, 2000ml	13

## **Two Cavity Semi Automatic Pet Blowing Unit with Accessories.**

Supply Erection and Commissioning of Two Cavity Semi Automatic Pet Stretch Blow Moulding Machine with Auto Drop System for manufacturing of PET Bottle for hot filling of Juice/Fruit drink on Turnkey Basis at PAJL Hoshiarpur. The final PET Bottle should be seamless with out parting line.

### **Capacity**

Capacity: 100 ml to 2000 ml, Neck dia 28 +/- 5 mm

Production Capacity: Minimum 1000 BPH for continuous operation(Upto 1000ml bottles).

### **Mould:**

Compatible with Moulds already available with PAJL, for Semi-Automatic Machines.

### **Technical Specification:**

1. Infrared pre-heating system
2. Indexing Conveyor.
3. Steady perform rotating in pre-heater.
4. Janatics pneumatic system & water cooling system
5. Hydro-pneumatic Locking systems with operating manual & tools
6. 24 mould memory in PLC.
7. Neck Mandrel.

### **Accessories required**

1. High Pressure Air Compressor [2 stage , 3 cylinder, 20 HP Motor, 55 CFM (minimum), 300 ltr High pressure Air Reservoir Tank(minimum)]
2. Chilling Unit [2 TR]
3. Air Dryer [Working pressure 40 bar , 40 CFM Minimum]
4. Other standard accessories like pressure gauge, safety valve, starter,NRV, temperature indicator, automatic pressure switch, Belt Guard, Air Cooler, After cooler, Moisture Separator, oil and air filter/ regulator, connecting pipes, electrical earthing, etc.

- |                     |   |
|---------------------|---|
| 1. Type             | Semi Automatic  |
| 2. Material         | PET Pre-form  |
| 3. Blowing Capacity | 100ml to 2000ml   |
| 4. Produce Rate     | Minimum 1000 BPH for 1000ml   |
| 5. Control System   | Electronically Controlled with micro processing system with Digital Display |
| 6. Blowing Head     | 2 Nos   |
| 7. Mould            | 2Nos  |

## **Machine Construction Material Details**

- |                                     |                             |
|-------------------------------------|-----------------------------|
| 1. Base Frame                       | MS Powder Coated            |
| 2. Pneumatic valves & cylinders     | Janatics / Festo            |
| 3. Contractors, OLR, MCB & Switches | Reputed make                |
| 4. PLC with HMI                     | Mitsubishi/ Equivalent make |
| 5. Bearings                         | NTN/NBC/SKF                 |
| 6. Motors & Gear Box                | Bonvario                    |
| 7. IR Heaters                       | ACE / SICA/ Equivalent make |

## **General Specifications:**

1. The machine should have all safety features for the safety of the operator and equipment.
2. Consumable spares for (at least 6 months), Toolkit, instruction manual should be provided free of cost.

The party should have earlier supplied at least one similar capacity Machine to other parties also. Attach the performance report along with the tender.

## **Erection & Commissioning, Trail & Testing**

Erection & Commissioning is to be carried out by the party on its own cost. Trial and testing of the plant will be done at PAJL Hoshiarpur Premises. Party's technical representative will guide & train regarding the operation of the plant. All the costs involved regarding the above, including travelling, boarding, lodging miscellaneous expenses etc, will be borne by the party.

## **Payment:**

50% against supply of material or 50% advance against bank guarantee.  
Balance 50% successful commissioning of Machine & accessories.

## **Price:**

Separate rates should be quoted for:

1. Blow Moulding Machine
2. Accessories like :
  - a. Chiller
  - b. Air Compressor
  - c. Air Dryer.

along with their make & Technical specifications.

3. Other item if any.

**Delivery:**

Delivery with 4 weeks after issue of purchase order

**Validity:**

The offer should be valid for a period of at least 3 months from the date of opening of the tender

**Guarantee:-** The Machine/ Equipment and all accessories shall be guarantee for a period of 12 months from the date of the commissioning against any manufacturing/ performance defect.

Parties may send bid in sealed envelop super scribing "Tender for Supply & Commissioning Semi Automatic PET Blowing unit with Accessories" to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016.

For more information contact Sh. J.S Kanwar (Plant Head, PAJL Hoshiarpur) Ph: - 01882-282404-08, mob- 9876502323.

**Supply of S.S. Kettle (Tilting Type).S.S. Mixing Tank, S.S. Pulper, Crown Crimping Machine.**

**1. S.S. Kettle (Tilting Type) , Quantity 2 No's**

**General Description:-**

Brim Cap- 250 Ltrs.

Working Cap- 200 Ltrs.

Should be double walled.

**M.O.C: A Inner Vessel**

Shell & Bottom Hemispherical :- S.S.316 L, 3.0 mm Thk.

Top Cover: S.S. 316, 1.6 mm Thk

**Jacket**

S,S. 304, 3.0 mm Thk

**Stand**

S.S. 304,

It should have steam inlet, Condensate Outlet, Pr.Gauge, safety valve connection with valves & fitting & Manually Tilting device & accessories.

**2. S.S. Mixing Tank (for Xantherm Gum/ Pectin Mixing), Quantity 1No's:-**

**A. General Description:**

Brim Cap- 150 Ltrs.

Working Cap- 100 Ltrs.

Shape:- Vertical Cylindrical with conical bottom & flat openable top (in 2 pcs.)

Suggestive Size:- 600x600 mm (cylinder Ht) x 1.2 Mtr. (Overall ht)

Tank Should be Triple walled.

**M.O.C: A Inner Vessel**

Shell & Conical :- S.S.304 L, 4.0 mm Thk.

Top Cover: S.S. 304, 1.6 mm Thk

**B. Jacketing (Intermediate Vessel)**

Shell & Conical :- S.S. 304, 3.0 mm Thk.

**C. Outer (Cladding)**

Shell & Conical :- S.S. 304, 1.5 mm Thk.

Tank should have inlet, outlet, recirculation, CIP Spray ball level Gauge, Steam inlet, Condensate Outlet, Pr. Gauge, Safety valve, Temp. Sensor Connection & 4 Nos, S.S Pipe legs

Tank should have high speed agitator with drive of 3.0 HPx1400rpm, Baffles & Std. accessories.

**S.S. Pulper , Quantity 1No's.**

Cap: - 1500-2000 kgs/Hr.

M.O.C:- S.S304

Pulper should have 2 No's perforated mesh of 0.8 mm and 1.5 mm feeding & discharges & waste Chutes, wire brushes and drive of 7HP & Std. accessories.

**Crown Crimping Machine, Quantity 1No's**

1. Heavy duty foot operated with magnetic cork holder, adjustable to accommodate all size of bottles.
2. Heavy duty, Hand operated with magnetic cork holder, adjustable to accommodate all size bottles.

**Other Terms & Conditions:**

**Payment:**

**Payment:**

50% against supply of material or 50% advance against bank guarantee.

Balance 50% successful commissioning of Machine & accessories.

**Delivery:**

Delivery with in 4 weeks after issue of purchase order

**Validity:**

The offer should be valid for a period of at least 3 months from the date of opening of the tender.

**Taxes and Duties:-**

Should be clearly mentioned in the price schedule.

**Guarantee**

The Job should be guaranteed for a period of 12 months against any manufacturing/ performance defect.

Parties may send bid in sealed envelop super scribing "Tender for Supply of S.S. Kettle " to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016.

For more information contact Sh. J.S Kanwar (Plant Head, PAJL Hoshiarpur) Ph: - 01882-282404-08, mob- 9876502323.

## **Supply of Preform for 200ml, 250ml, 500ml, 1000ml & 2000ml PET Bottles.**

**General Description:** Reputed manufacturers/ authorized dealers should quote the competitive rates for supply of Preform:

1. Suitable for filling of fruit drink in PET Bottle at 72<sup>0</sup> +/- 2<sup>0</sup>C temperature.
2. Required capacity of PET Bottle is 200ml, 250ml, 500ml, 1000ml & 2000ml with long neck and neck dia 28mm. Suitable weight in gms of each variant and complete specifications of perform are required to be quoted by the party.
3. Rate should be quoted FOR PAJL, Hoshiarpur with minimum lot size.

### **Other Terms & Conditions:**

#### **Payment:**

Payment against supply of material.

#### **Delivery Period:**

With in one week after issue of purchase order.

#### **Validity:**

The rates quoted should be valid for a period of at least 6 months from the date of opening of the tender.

#### **Taxes and Duties:-**

Should be clearly mentioned in the price schedule.

#### **Guarantee:**

In case of failure of preform due to any manufacturing defect party should lift the defective material at its own cost and supply the new good material in lieu of it.

Parties may send bid in sealed envelop super scribing "Tender for Supply of Preform" to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016. For more information contact Sh. J.S Kanwar (Plant Head, PAJL Hoshiarpur) Ph: - 01882-282404-08, mob- 9876502323.

## **Specifications for Shrink Labels**

**General Specifications :-** Reputed manufacturers are requested to quote the competitive rates for supply of Shrink labels:

Specifications for Shrink Labels for 250ml, 500ml and 1Ltr for five variants Kinnow Drink, Guava Drink, Mixed Fruit Drink, Mango Drink, Litchi Drink.

Description is as follows:-

Sr. No.	Item	Width(in mm)	length(in mm)	Thickness (in micron)
1.	1Ltr	275	177	40 +/-5%
2.	500ml	220	130	40 +/-5%
3.	250ml	190	100	40 +/-5%

### **Dispatch Place**

Rate should be quoted FOR PAJL, Hoshiarpur with minimum lot size.

### **Payment:**

Payment with in one week of Delivery.

### **Delivery Period:**

With in 2 weeks after issue of purchase order.

### **Validity:**

The offer should be valid for a period of at least 6 months from the date of opening of the tender.

### **Taxes and Duties:-**

Should be clearly mentioned in the price schedule.

### **Guarantee:**

In case of any manufacturing defect party should lift the defective material at its own cost and supply the new good material in lieu of it.

Parties may send bid in sealed envelop super scribing "Tender for Shrink Labels" to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016.

## **Specification for Caps/ Plastic closure.**

**General Specifications :-** Reputed manufacturers/ authorized dealers should quote the competitive rates for supply of Caps/ Plastic Closures:

1. Colour of Closure – Yellow, White (Suitable for hot fill beverage)
2. Neck Diameter – 28 mm
3. The Cap/ Closure should be printed with 'Punjuice' logo on top.

### **Dispatch Place**

1. Rate should be quoted FOR PAJL, Hoshiarpur with minimum lot size.

### **Payment:**

Payment with in one week of Delivery.

### **Delivery Period:**

With in one week after issue of purchase order.

### **Validity:**

The rates quoted should be valid for a period of at least 6 months from the date of opening of the tender.

### **Taxes and Duties:-**

Should be clearly mentioned in the price schedule.

### **Guarantee:**

In case of any manufacturing defect party should lift the defective material at its own cost and supply the new good material in lieu of it.

Parties may send bid in sealed envelop super scribing "Tender for Caps/Plastic Closure" to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016.

## **Specifications for Corrugated boxes.**

**General Specifications:** - Reputed manufacturers are requested to quote the competitive rates for supply of Corrugated boxes:

					Size (In mm)
Sr. No	Item	L	B	H	PLY
1.	1 Ltr (12x1)	250	335	285	5
2.	500ml (24x1)	405	275	230	5
3.	250ml (24x1)	358	240	175	5
4.	200ml (24x1) (with partitioning)	350	240	160	5

1. Top layer virgin craft 150gsm  
4 layers craft paper 120 gsm
2. Single Colour Printing on outside of Corrugated Box

### **Dispatch Place**

Rate should be quoted FOR PAJL, Hoshiarpur with minimum lot size.

### **Taxes and Duties:-**

Should be clearly mentioned in the price schedule.

### **Payment:**

Payment with in one week of Delivery.

### **Delivery Period:**

With in one week after issue of purchase order.

### **Validity:**

The rate quoted should be valid for a period of at least 6 months from the date of opening of the tender.

### **Guarantee:**

In case of any manufacturing defect party should lift the defective material at its own cost and supply the new good material in lieu of it.

Parties may send bid in sealed envelop super scribing "Tender for Corrugated Boxes" to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016.

## **Specifications for PET Bottles**

**General Description:** Reputed manufacturers are requested to quote the competitive rates for supply of PET Bottles:

1. Suitable for filling of fruit drink in PET Bottle at 72<sup>0</sup> +/- 2<sup>0</sup>C temperature.
2. Required capacity of PET Bottle is 250ml, 500ml, 1000ml & 2000ml with long neck and neck dia 28mm.
3. Rate should be quoted FOR PAJL, Hoshiarpur with minimum lot size.

**Description for PET Bottles as per gms:-**

Sr. No.	Item	Weight (Minimum)	Lot Size (Minimum)
1.	250ml		
2.	500ml		
3.	1000ml		
4.	2000ml		

**Dispatch Place**

Rate should be quoted FOR PAJL, Hoshiarpur with minimum lot size.

**Payment:**

Payment with in one week of Delivery.

**Delivery Period:**

With in one week after issue of purchase order.

**Validity:**

The rates quoted should be valid for a period of at least 6 months from the date of opening of the tender.

**Taxes and Duties:-**

Should be clearly mentioned in the price schedule.

**Guarantee:**

In case of failure of PET Bottle due to any manufacturing defect party should lift the defective material at its own cost and supply the new good material in lieu of it.

Parties may send bid in sealed envelop super scribing "Tender for PET Bottles" to Punjab Agro Juices Limited, Chandigarh, so as to reach this office latest by 20.07.2016.