

Delivery Locations
Package: HPSPD-DOTE/29
Stretch Blow moulding machine

Sr. No.	Item Name	Govt. ITI Mehatpur	Govt. ITI Shahpur	Total Quantity
1	Stretch Blow Moulding Machine of 1 Litre capacity with mould	0	1	1
2	Automatic Screw Type Injection Moulding machine 25T capacity	1	0	1
3	Extruder of 40 kg/hr Plasticizing capacity	0	1	1

Schedule of supply

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1. List of Goods and Related Services

Package Name: Supply of Stretch Blow moulding machine for Industrial Training Institutes to enhance technical and vocational skills among the youth of Himachal Pradesh. HPSDP-DOTE/29; RFQ No. 06 /2022

Lot No: Not Applicable									
Lot Name: Not Applicable								Delivery Time (in days): not more than 60	
Item No	Name of Goods or Related Services	Description	Unit of Measure -ment	Quantity	Unit Price INR	Total price per item INR	Sales and other taxes per item	Total Price (Including GST)	Remarks (Please mention Page Number of detailed information brochure having make and model no.)
1	2	3	4	5	6	7=5*6	8=7*@GST%	9=7+8	
1.	Stretch Blow Moulding Machine of 1 Litre capacity with mould	Stretch Blow Moulding Machine of 1 Litre capacity with mould, as per technical specifications	No.	1					
2.	Automatic screw type Injection Moulding Machine 25T capacity	Automatic screw type Injection Moulding Machine, as per technical specifications	No.	1					
3.	Extruder of 40 kg/hr. Plasticizing capacity	Extruder of 40 kg/hr. Plasticizing capacity, as per technical specifications	No.	1					

2. Delivery and Completion Schedule

The delivery period shall start as of *date of Signing the Contract*

Item No	Description of Goods or Related Services	Delivery Schedule (Duration)	Location	Required Arrival Date of Goods or Completion Date for Related Services
1 to 3	As per Schedule 1 – List of Goods and Related Services	Within 60 Days from the Signing of the contract.	As per delivery locations attached as Annexure-A	Within 60 Days from the Signing of the contract.

3. Technical Specifications

Item No.	Name of Goods or Related Services	Technical Specifications of Item and/or Bureau of Indian Standards (BIS) (if applicable) reference	Features	Accessories	Spare parts	Documents	Installation & Training	Warranty of Equipment /parts
1.	Stretch Blow Moulding Machine of 1 Litre capacity with mould	Stretch Blow Moulding Machine-1 Litre with mould : - Capacity - 50 ml to 1000 ml minimum - Production Capacity - 1100~1200 BPH - Max. Mould thickness - 150 MM - Min. Mould thickness - 140 MM - Clamping force - 8 Ton Oven: - Number of Preform Holders - 74 - Number of Heating modules - 1 - Number of Heating zones - 6 - Lamp Power - 2000 W - Number of stretch Rods - 2 - Stretching stroke Max. - 400 MM	- Infrared pre-heating system - Indexing conveyor - Steady perform rotating in pre-heater - Total Mercury pneumatic system & water cooling system (push & pull type) - Hydro-pneumatic locking systems with tools - 24 mould memory in PLC - 1 no. Neck Mandrel	- one no. suitable mould - Compressor: 20 HP High pressure , 2 nos. of cylinders, 3 piston, Displacement, CFM – 49.50, - Tank Capacity – 500 ltr. - 2 TR Chiller, Capacity : 9075 Kcal/hr., Compressor - Temperature: 16 to 18c - Air Dryer , 40 CFM / 40 BAR - Other standard accessories	- Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied and installed at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	- Two years from Date of Installation
2.	Automatic screw type Injection Moulding Machine 25T capacity	1. Tie Bar Distance: 260mm*260mm 2. Injection Stroke :80mm 3. Ejecter Stroke :100mm 4. Minimum mould height : 150mm 5. Motor Capacity: 10 HP 6. Screw Dia: 20mm 7. Platen Size : 390*390 mm	- Five point double clamping system of steel	- One No. suitable mould - Other standard Accessories	- Standard	- User/Operating Manual - List of Service Centres in India	- To be supplied at designated ITI's in Himachal Pradesh - Training as	- Two years from Date of Installation

		8. Short weight: 50 gm 9. Day Light Opening: 480mm 10. Claming Way : Hydraulic 11 All Other mountings and accessories required for proper working of Machine				- Warranty Certificate	required by staff of ITI	
3.	Extruder of 40 kg/hr. Plasticizing capacity	Extruder of 40 kg/hr. Plasticizing capacity with Die -18inch LFW & Accessories : - Maximum output: 40Kg/Hr. - Film : Single Layer Flattened Tubular - Film Layout Width (LFW) : 300 - 650 mm for HDPE ;Thickness : 6-70 micron ;Output : 40-45Kg/Hr EXTRUDER : -Screw dia x L/D : 40 x 24mm - Control Through Variable Frequency AC Drive - Speed reducer type :Helical gear box with inbuilt thrust bearing , Lubrication : Sump type - Hopper Capacity : 35 litre; - No. of heating zones : 2 ; Barrel cooling : 1 No. cooling blower - Screen Pack : Cylindrical screen pack with strainer DIE :- Die size : 100 mm ;Design : Spiral Mandrel type; Working direction :Upwards - Material & surface Treatment : High strength steel with - Electro-less Nickel plating on full melt path. - Die gap adjustment : By moving die ring with the adjusting bolts - No of heating zones : 05 COOLING SYSTEM AIR COOLING RING : Type : Single lip COOLING BLOWER : Type : Centrifugal Drive type/load , 2.2KW , AC Induction motor TAKE OFF UNIT NIP ROLLER UNIT : Roll width : 750mm ; Roll material : One rubber roller & one steel roller; - Nip actuation : Pneumatic; - Power Transmission : Through Chain & Sprocket ; Haul-off speed rang : 8-80 m/min	- Power transmission Through pulley and V –belts - Material for screw and barrel : Nitralloy steel , gas nitrided Controls are housed in the cabinet including :- - PID temperature controllers - Ammeter for indicating heating load of any individual zones. - Screw speed indicator. - Main isolator (On/Off) switch. - Other necessary electrical components like MCBs, Contactors, Relays, Push Buttons (On/Off), etc. - "PID" thermo controller with "SCR" output temperature systems to minimize power consumption and maintain temperature levels - High efficiency	-Standard	- Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied and installed at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	- Two years from Date of Installation

	<p>COLLAPSING BOARD: Type :Fix type, mounted on MS frame ;Contact Material: Velvet on Wooden Slat</p> <p>SINGLE STATION WINDER : Type : Surface winder ; Roller width : 750mm; Roller Material : Neoprene Rubber, Application: Winding of flattened film ; No of stations :One</p> <p>- Winder drive : AC;Torque, Expander roller: Base Standard roller</p> <p>- Core Tube Details: 75 (ID) x 95 (OD) x 750 (L)</p> <p>ELECTRICALS :Temperature controllers : Standard make Digital PID - controllers Range 0 - 400° C ($\pm 1^\circ$ C) with necessary circuitry Drive ;Variable frequency AC Drive with necessary circuitry</p> <p>- Switch Gears : Reputed make and of adequate capacity; Panels : Powder coated Panels with exhaust fan</p> <p>CONNECTED LOAD : Drive Load : 15 KW ; Heating Load : 15KW</p>	driving motor and gears.						
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4. Drawings

Not Applicable