OF TECHNICAL EDUCATION VOCATIONAL AND INDUSTRIAL TRAINING HIMACHAL PRADESH SUNDERNAGAR – 175018 SHOPPING FOR TEST EQUIPMENT & HAND OPERATED

MOULDING MACHINES

HPSDP-DOTE/25

SHOPPING FOR GOODS

REQUEST FOR QUOTATION (RFQG)

-- Note --

- (i) Shopping is a simplified procedure, used for low-value, readily available off-the-shelf goods. When considering Shopping, ADB should be satisfied that there are a sufficient number of local and/or foreign suppliers (a minimum of three) that can meet the requirements of the procurement and ensure a satisfactory level of price competition. The threshold for Shopping is currently set at \$100,000.
- (ii) Alternate texts for some paragraphs are provided. The Purchaser may select one option and delete the non-applicable option.

No. STV(IT)H-F(7)-2/NCVT/ADB/Package-04-Vol-VI

113414

RFQ NO. 25/2022

Date of Issue of Request 28 .12.2022

Project Title:

Himachal Pradesh Skill Development Project

Source of Funding:

ADB Funded: Loan No 3573-IND

Contract Ref:

Test equipment & hand operated moulding machines; HPSDP-DOTE/25

To:

All eligible suppliers/vendors

Sir/Madam:

- 1. The Director, Technical Education, Vocational and Industrial Training, Himachal Pradesh, Sundernagar (Purchaser) hereby requests you to submit price quotation(s) for the supply of the following items:
 - (i) Test equipment & hand operated moulding machines as per details attached as Annexure- A.

If you, however, have been associated with the firm that prepared the design, and specifications of the contract that is subject of this procurement, you shall be disqualified.

To assist you in the preparation of your price quotation we enclose the necessary 'technical specifications and required quantities'.

- 2. You must quote for all the items under this request. Price quotations will be evaluated for all the items together and contract awarded to the firm offering the lowest evaluated total cost of all the items.
- 3. You shall submit one original of the Price Quotation with the 'Form of Quotation', and clearly marked "Original". In addition, you shall also submit one copy marked as "COPY". In case of any discrepancy between the Original and Copy, the original shall prevail. Your quotation in the attached format should be signed, sealed in an envelope and addressed

to and delivered to the following address:

Purchaser's Address: The Director, Technical Education, Vocational and Industrial Training, Himachal Pradesh, Sundernagar, District Mandi– 175018

Telephone:

01907-266120, 266722, 266572. E-mail: techedu-hp@nic.in

- 4. Your quotation in duplicate and written in English language, should be accompanied by adequate technical documentation and catalogue(s) and other printed material or pertinent information (in English language) for each item quoted, including names and addresses of firms providing after-sales service facilities in India.
- 5. The deadline for receipt of your quotation(s) by the Purchaser at the address indicated in Paragraph 3 is: 19.01.2023 upto 01:15 PM and shall be opened at 02:30 PM on the same day.
- 6. You shall submit only one set of quotations for the above items. Your quotation must be typed or written in indelible ink and shall be signed by you or your authorized representative. Without a signature in your Form of Quotation, your quotation will not be considered further.
- 7. Your quotation(s) should be submitted as per the following instructions and in accordance with the attached form of Contract. The attached Terms and Conditions of Supply is an integral part of the Contract.
 - (i) <u>PRICES</u>: The prices should be quoted for supply and delivery as per **Delivery Schedule indicated in Annexure-A**. Prices shall be quoted in the currency (**Indian National Rupees**) of the Purchaser.
 - (ii) EVALUATION OF QUOTATIONS: Offers determined to be substantially responsive to the technical specifications will be evaluated by comparison of their prices. An offer is not substantially responsive if it contains material deviations or reservations to the terms, conditions, and specifications in this 'Request for Quotation', and it will not be considered further. The 'Purchaser' will evaluate and compare only the quotations determined to be substantially responsive. In evaluating the quotations, the 'Purchaser' will adjust for any arithmetical errors as follows:
 - (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern;
 - (b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern; and
 - (c) if a 'Supplier' refuses to accept the correction, his quotation will be rejected.

In addition to the quoted price, the evaluated price shall include 'GST' in India.

- (iii) <u>AWARD OF PURCHASE ORDER.</u> The award will be made to the bidder offering the lowest evaluated price and that meets the required standards of technical and financial capabilities. The successful bidder will sign a 'Contract' as per attached form of contract and terms and conditions of supply.
- (iv) <u>VALIDITY OF THE OFFER:</u> Your quotation(s) should be valid for a period of Forty-five (45) days from the deadline for receipt of quotation(s) indicated in Paragraph-5 of this 'Request for Quotation'.

- (v) If you withdraw your quotation during the validity period and/or refuse to accept the award of a contract when and if awarded, then you will be excluded from the list of suppliers for the project for two years and the contract will be awarded to the next firm offering the lowest evaluated total cost of all the items (excluding your firm).
- Further information can be obtained from: 8.

The Director, Technical Education, Vocational and Industrial Training,

Himachal Pradesh, Sundernagar, District Mandi- 175018.

Telephone: 01907-266120, 266572, 266722

E-mail: techedu-hp@nic.in Website: http://techedu.hp.gov.in

- 9 The bidder whose quotation has been accepted will be notified of the award of contract through the 'Letter of Acceptance' issued by the 'Purchaser' within 45 days from the date of submission of quotation.
- The 'Purchaser' intends to apply funds from the 'Asian Development Bank (ADB)' for 10. eligible payments under the 'Purchase Order' resulting from this RFQ.
- 11. Under ADB's Anticorruption Policy bidders shall observe the highest standard of ethics during the procurement and execution of such contracts. ADB will reject a proposal for award, and will impose sanctions on parties involved, if it determines that the bidder recommended for award or any other party, has engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, the 'Contract'. At the time of submission of your quotation, you should not be in ADB's sanctions list.
- The Purchaser reserves the right to accept or reject any quotation, and to annul the 12. process and reject all the quotations at any time prior to Contract award, without thereby incurring any liability to the suppliers.
- 13. Please Confirm by e-mail the receipt of this request and whether you will submit the price quotation(s) or not.

Technical Education Vocational and Industrial Training

Himachal Pradesh, Sundernagar

Endst.No. STV(IT)H-F(7)2/NCVT/ADB/Package-04/Vol-VI

113415- 416 Dated: 28/12/2022 1. The MD, HPKVN, SDA Complex, Block Number 24, 2nd floor, STPI Building Shimla, District Shimla, Himachal Pradesh for information please. You are further requested to

upload the notice on the website for wide publicity. 2. Technical Officer - II/CCDC branch (internal) to upload the information on the official website.

Director

Technical Education Vocational and Industrial Training Himachal Pradesh, Sundernagar

FORM OF QUOTATION

To:(Purchaser's Name)
(Purchaser's Address)
We offer to execute the
Prices and Schedules for Supply
S. No. Item Name Quantity Unit Price Total Price Delivery
1.
2.
Spare Parts } Tools and Accessories } Manuals } Specify, if applicable. Maintenance Requirements }
This Quotation and your written acceptance will constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.
We hereby confirm that this Quotation complies with the Validity of the Offer and Warranty conditions imposed by the Request for Quotation document and the Terms and Conditions of Supply, respectively.
We have not been associated with the firm that prepared the design and specifications of the contract that is subject of this request for quotation.
We are not in the ADB sanctions list.
Authorized Signature:
Name and Title of Signatory
Name of Supplier:
Address :
Phone Number:
Fax Number, if any
Email address (optional)
1. The Bidder must accomplish the Form of Quotation on its letterhead clearly showing the bidder's complete name and address. 2. The bidder must submit copy of Registration Certificate. GST Registration PAN Card of the firm with his

quotation.

FORM OF CONTRACT

TH	HIS AGREEMENT number made on, 2022, between the process of the purchaser, on the one part of the purchaser, on the one part of the purchaser, on the other called "the Supplier") on the other purchaser.	and
pa	art.	ner
go	HEREAS the Purchaser has requested for quotation for (description bods) to be supplied by Supplier, viz. Contract, (hereinafter called "Contract") and hecepted the Quotation by the Supplier for the supply of goods under Contract at the sum (has
NC	OW THIS AGREEMENT WITNESSETH AS FOLLOWS:	
1.	The following documents shall be deemed to form and be read and construed as part of tagreement, viz:	:his
	a) Form of Quotation; Terms and Conditions of Supply, Technical Specifications;	
	b) Addendum (if applicable);	
2.	Taking into account payments to be made by the Purchaser to the Supplier as hereinal mentioned, the Supplier hereby concludes an Agreement with the Purchaser to execute a complete the supply of goods under the Contract and remedy any defects therein conformity with the provisions of the Contract.	and
3.	The Purchaser hereby covenants to pay, in consideration of the acceptance of Contra supply and delivery of the goods and remedying of defects therein, the Contract Price accordance with Payment Conditions prescribed by the Contract.	ict, in
IN \ the	WITNESS whereof the parties hereto have executed the Contract under the Laws of India date indicated above.	on
a tur nd d	re and seal of the Purchaser: on behalf of Signature and seal of the Suppler: For and on behalf of	
of	Authorized Representative Name of Authorized Representative	
, 01	Authorized Representative Name of Authorized Representative	

TERMS AND CONDITIONS OF SUPPLY

Project Name: Himachal Pradesh Skill Development Project

Purchaser: The Director, Technical Education, Vocational and Industrial Training.

Himachal Pradesh, Sundernagar, District Mandi – 175018

Package name: Test equipment & hand operated moulding machines

Package No. HPSDP-DOTE/25

- Schedules for Supply: Attached as Annexure A.
- 2. <u>Fixed Price</u>: The prices indicated in the Form of Quotation are firm and fixed and not subject to any adjustment during contract performance.
- 3. <u>Delivery Schedule</u>: The delivery should be completed as per above schedule but not exceeding 60 days from the date of signing of contract.
- 4. <u>Insurance</u>: The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. The insurance shall be in an amount equal to 110 percent of the value of the Goods on "All risks" basis.
- 5. <u>Applicable Law:</u> The Contract shall be interpreted in accordance with the laws of the Purchaser's country.
- 6. Resolution of Disputes: The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute between them under or in connection with the Contract. In the case of a dispute between the Purchaser and the Supplier, the dispute shall be settled in accordance with the provisions of the Laws of India within the jurisdiction of the Sundernagar (HP) Court.
- 7. <u>Delivery and Documents:</u> Upon delivery, the Supplier shall provide the following documents to the Purchaser:
 - (i) copies of the Supplier's invoice showing goods' description, quantity, unit price, and total amount;
 - (ii) manufacturer's or supplier's warranty certificate; and
 - (iii) certificate of origin.

If goods are coming by courier, supplier shall also provide prior to delivery, copies of documents that will enable Purchaser to receive the goods. The above documents shall be received by the Purchaser at least one week before arrival of the goods and, if not received, the Supplier shall be responsible for any consequent expenses.

- 8. <u>Payment</u>: Payment of the contract price shall be made in the following manner:
 - a) 90% upon receipt by the Purchaser of the delivered goods on site in accordance with the contract; and
 - b) 10% upon acceptance of the delivered goods by the Purchaser.
- 9. <u>Warranty</u>: Goods offered should be covered by manufacturer's warranty for at least 365 Days from the date of delivery to the Purchaser.

- 10. <u>Defects</u>: All defects will be corrected by the Supplier without any cost to the Purchaser within 30 days from the date of notice by Purchaser. The name and address of service facility where the defects are to be corrected by the supplier within the warranty period are as per delivery locations attached as Annexure-A:
- 11. <u>Force Majeure</u>: The supplier shall not be liable for penalties or termination for default if and to the extent that it's delays in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but not restricted to, act of Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by Force Majeure event.

- 12. Required Technical Specifications: (with attachments as necessary)
 - (i) General Description
 - (ii) Specific details and technical standards
 - (iii) Performance Parameters

Supplier confirms compliance with above specifications.

13. <u>Failure to Perform</u>: The Purchaser may cancel the 'Agreement' if the 'Supplier' fails to deliver the Goods, in accordance with the above terms and conditions, in spite of a 14-day notice given by the 'Purchaser', without incurring any liability to the 'Supplier'.

NAME OF SUPPLIER:	
Authorized Signature:	
Place:	
Date:	

Delivery Locations Package No. HPSDP-DOTE/25 Test equipment & hand operated moulding machines

Sr. NO.	Item Name	Govt. ITI Mehatpur	Govt. ITI Shahpur	Total Quantity
1	Test Equipment for plastic -MFI	0	1	1
2	Digitally controlled Universal Testing machine of 100 KN capacity	0	1	1
3	Impact tester	0	1	1
4	Hand operated Injection Moulding machine of 15 gm capacity	0	2	2
5	Hand operated Injection Moulding machine of 30gm capacity	0	2	2
6	Hand operated Compression Moulding Machine of 60 ton capacity	1	3	4
7	Hand operated Blow Moulding Machine of 250 ml capacity	0	3	3
8	Hand Injection Moulding Machine	1	0	1

Schedule of supply

Contents

1.	List of Goods and Related Services	2
2.	Delivery and Completion Schedule	4
	benier, and completion conceanement	
3	Technical Specifications	5
٥.	reciffical Specifications	
1	Drawings	a
\lnot.	DI QWIII 53	

1. List of Goods and Related Services

Package Name: Supply of Test Equipment & hand operated moulding machines for Industrial Training Institutes to enhance technical and vocational skills among the youth of Himachal Pradesh. HPSDP-DOTE/25; RFQ No. 25/2022

Lot 1	Lot No: Not Applicable										
Lot 1	Name: Not Applicable	Delivery Time (in days): not more than 60									
Ite m 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.	Test Equipment for plastic -MFI	Test Equipment for plastic –MFI, as per technical specifications	No.	1							
2.	Digitally controlled Universal Testing machine of 100 KN capacity	Digitally controlled Universal Testing machine of 100 KN capacity, as per technical specifications	No.	1							
3.	Impact tester	Impact tester, as per technical specifications	No.	1							
4.	Hand operated Injection Moulding machine of 15 gm capacity	Hand operated Injection Moulding machine of 15 gm capacity, as per technical specifications	No.	2							

5.	Hand operated Injection Moulding machine of	Hand operated Injection Moulding machine of	No.	2			
	30gm capacity	30gm capacity, as per					
		technical specifications					
6.	Hand operated	Hand operated	No.	4			
	Compression Moulding	Compression Moulding					
	Machine of 60-ton	Machine of 60-ton					
	capacity	capacity, as per technical					
		specifications					
7.	Hand operated Blow	Hand operated Blow	No.	3			
	Moulding Machine of	Moulding Machine of 250					
	250 ml capacity	ml capacity, as per					
		technical specifications					
8.	Hand Injection Moulding	Hand Injection Moulding	No.	1			
	Machine	Machine, as per technical					
		specifications					

2. Delivery and Completion Schedule

The delivery period shall start as of <u>date of Signing the Contract</u>

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 8	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

Besides the supply of equipment, the bidder shall also carry-out required related services including unloading, installation & commissioning, after sales warranty & maintenance as well as the relevant handholding to the trainers of the ITI for proper usage and operations. The bidder shall do the necessary site preparation including electrical work, earthing, minor civil work, etc. as required for installation & commissioning of the equipment's/goods. While doing the site preparation the bidder shall ensure that aesthetics of the labs/workshops, IT Lab and the Library shall maintain/restored.

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.	Test Equipment for plastic -MFI	Test Equipment for plastic -MFI - Range: 40 – 400°C - Resolution:0.1°C - Accuracy:0.2°C - Power 120V/230V; 50Hz/60Hz Temperature Probe Specifications Measurement 3 x PT 100 Sensors - Range: 0 – 500°C - Accuracy: 0.1°C	- Must be able to check the Melt Flow Index of all Thermoplastic material	- Temperature probe - Die - Piston, - Barrel core - Die cleaning tool - Die Retainer Cleaning probe - Filling funnel - Test Weights - Cleaning patches - Heat resistant gloves	- Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	One Year
2.	Digitally controlled Universal Testing machine of 100 KN capacity	Digitally controlled Universal Testing machine: - Maximum Capacity: 100 KN - 1st Measuring Range: 0-20 KN - Load Resolution: 0.005 KN - 2nd Measuring Range: 0-40 KN - Load Resolution: 0.01 KN - 3rd Measuring Range: 0-100 KN - Load Resolution: 0.025 KN - Resolution of Piston Movement (Displacement): 0.1 mm - Clearance for tensile test at fully descended working piston: 50-700 mm - Clearance for compression test at fully descended working piston: 0-700 mm	- Standard	For tension test: - Clamping for round: 10-20 mm - Specimens diameters: 20-30 mm - Clamping jaws for flat: 0-10 mm - Specimens thickness: 10-20 mm - Width: 50 mm For compression test: - Pair of compression plates of diameter: 120 mm For transverse test: - Table with adjustable	Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	One Year

3.	Impact tester	- Clearance between columns: 500 mm - Straining / Piston speeds (at no load): 0- 150 mm - Voltage: 440 V, 3 Phase Impact tester: - Maximum capacity: 300 J - Minimum scale graduation: 2 J - Pendulum drop angle: 140° - Pendulum effective Wt.: 21.819 kg Striking velocity of pendulum: 5.182 m/sec	- Suitable for Charpy and Izod Impact Test	rollers width of rollers: 160 mm - Diameter of Rollers: 30 mm -Maximum clearance between Supports: 500 mm - Standard	- Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	One Year
4.	Hand operated Injection Moulding machine of 15 gm capacity	Hand operated Injection Moulding machine: - Minimum Capacity: 15gm - Temperature controller unit: 0-200°C - Weight of piece: Minimum 15 gm	- Solid Frame made up of Heavy channel with a heavy base	- Die - Ceramic Band Heater - Other standard Accessories	- Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	one Year
5.	Hand operated Injection Moulding machine of 30gm capacity	Hand operated Injection Moulding machine: - Minimum Capacity: 30 gm - Temperature controller unit: 0-200°C - Weight of piece: Minimum 30 gm	- Solid Frame made up of Heavy channel with a heavy base	- Die - 02 Nos Ceramic Band Heater - One No. suitable mould - Other standard Accessories	- Standard	- User/Operating Manual - List of Service Centres in India - Warranty Certificate	- To be supplied at designated ITI's in Himachal Pradesh - Training as required by staff of ITI	one Year
6.	Hand operated Compression Moulding Machine of 60 ton capacity	Hand operated Compression Moulding Machine of 30-60 tons capacity: - Suitable for processing Acrylonitrile Butadine Styrene(ABS)- - Maximum working pressure = 25 kN - Pressure gauge: Analog Type - Heated Platen area = 200x 200 mm - Maximum travel distance of platen = 150 mm max - Maximum working temp = 200 degree C - Digital Temperature control with an accuracy of ± 2°C	- A Sturdy & heavy body made up of cast steel, hardened & chrome plated with a heavy base enough to withstand impact & load. 1. Mould opening &	- One No. Suitable mould - Other standard Accessories 1.Associated tools 2.Associated attachments 3.Standard accessories	- Standard	User/Operating Manual List of Service Centres in India Warranty Certificate Machine operating manual. Maintenance manual and	- To be supplied at designated ITI's in Himachal Pradesh - Training as required by staff of ITI Installation and demo	18 months from the date of supply or twelve months from the date of commissioni ng, whichever is later.

		1 P	.1			D. 4 4.1		
		1.Press capacity = 100 tons	closing with			Parts catalogue		
		2.Pull back force = 8tons	programmable					
		3.Main platen size = 600x600	and independent					
		4.Day light = 700mm	strokes and					
		5.Stroke length = 400mm	speed.					
		6.Piston size of main cylinders = 250mm	2. High tensile,					
		7.No. of main ram + jacking cylinder =	hard chrome					
		1+2Nos.	plated tie bar.					
		8. Working pressure = 200 bars	3. Standard					
		9. Approach speed = 100 mm / sec	make High					
		10. Pressing speed = 10-20 mm / sec,	torque hydraulic					
		Return speed = 120 mm /sec	motor					
		11. Ejector force = 2 ton, 01 no Ejector	4. Limit					
		12. Stroke length of Ejector = 175 mm	switches					
		13. Electric motor = 7.5 H.P	controlled					
		14. Operation = PLC with touch screen	operation, for					
		15. Platen Temp. = 400° C	stroke control.					
		16. Heating capacity = 6kw/ Platen	5. MCB control					
		17. Limit switch controlled Operation	for each heating					
		18. MCB Control for each heating zone	zone separately.					
		separately	6. Star delta					
		19. Star delta starter for pump motor with	starter for pump					
		over load protection	motor.					
		20. Hydraulic operation with an oil tank of	7. Overload					
		200 litre capacity.	protection for					
			pump motor.					
			8. Oil temp.					
			control meter.					
			9. 24VOlt D.C					
			solenoid valve.					
			10. Propulsion					
			valve for					
			pressure & flow					
			control with					
			Electric					
			Feedback.					
7.	Hand operated	Hand operated Blow Moulding Machine	- A Sturdy &	- One No. Suitable mould	-		- To be supplied	one Year
	Blow Moulding	of 250 ml capacity:	heavy body	- Other standard Accessories	Standard	User/Operating	at designated	
	Machine of 250 ml	- Minimum Manufacturing capacity: 8	made up of cast			Manual	ITI's in	
	capacity	inches	steel ,hardened			- List of Service	Himachal	
		- Plasticising capacity : 1.5kg/hr	& chrome			Centres in India	Pradesh	
		- Minimum Shots per hour : 100	plated with a		<u> </u>	- Warranty	- Training as	

		- Screw Dia - 38mm	heavy base			Certificate	required by staff	
		- Max article weight - 50gm	enough to				of ITI	
		- Max mould size: 120x130	withstand					
		- Max mould open stroke: 125mm	impact & load					
		- Max Volume : 250ml	and having					
			temperature					
			controller with					
			graduations.					
8.	Hand Injection	Hand operated Injection Moulding	- Solid Frame	- Die	Standard	-	- To be supplied	one Year
	Moulding Machine	machine:	made up of	- 02 Nos Ceramic Band		User/Operating	at designated	
		- Minimum Capacity: 50 gm	Heavy channel	Heater		Manual	ITI's in	
		- Temperature controller unit : 0- 200°C	with a heavy	- One No. suitable mould		- List of Service	Himachal	
		- Weight of piece : Minimum 50 gm	base	- Other standard Accessories		Centres in India	Pradesh	
						- Warranty	- Training as	
						Certificate	required by staff	
							of ITI	

4. Drawings

Not Applicable