

**DIRECTORATE  
OF  
TECHNICAL EDUCATION  
VOCATIONAL AND INDUSTRIAL  
TRAINING  
HIMACHALPRADESH  
SUNDERNAGAR – 175018**

**SHOPPING  
FOR  
MICROPROCESSOR/ PLC CONTROLLER BASED MACHINES**

**HPSDP-DOTE/26**

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- 113410

RFQ NO. 26 /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:** Microprocessor/ PLC controller based machines; HPSPDP-DOTE/26

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) Microprocessor/ PLC controller based 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](mailto: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) **PRICES:** 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) **AWARD OF PURCHASE ORDER.** 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) **VALIDITY OF THE OFFER:** 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).**

8. Further information can be obtained from:  
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](mailto: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.
10. The 'Purchaser' intends to apply funds from the 'Asian Development Bank (ADB)' for 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.
12. The Purchaser reserves the right to accept or reject any quotation, and to annul the 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.**



Director  
Technical Education  
Vocational and Industrial Training  
Himachal Pradesh, Sundernagar

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

113411-413

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 \_\_\_\_\_ (name and number of Contract) in accordance with the Conditions of Contract accompanying this Quotation for the Contract Price of \_\_\_\_\_ (amount in words and numbers) \_\_\_\_\_ (name of currency). We propose to complete the delivery of Goods described in the Contract within the following Delivery Time from the Date of Signing of the Contract.

### Prices and Schedules for Supply

| <u>Time</u> | <u>S. No.</u> | <u>Item Name</u> | <u>Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> | <u>Delivery</u> |
|-------------|---------------|------------------|-----------------|-------------------|--------------------|-----------------|
|-------------|---------------|------------------|-----------------|-------------------|--------------------|-----------------|

1.

2.

Spare Parts

Tools and Accessories

Manuals

Maintenance Requirements

}  
}  
} Specify, if applicable.  
}

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

THIS AGREEMENT number \_\_\_\_\_ made on \_\_\_\_\_, 2022, between \_\_\_\_\_ (hereinafter called "the Purchaser") on the one part and \_\_\_\_\_ (hereinafter called "the Supplier") on the other part.

WHEREAS the Purchaser has requested for quotation for \_\_\_\_\_ (description of goods) to be supplied by Supplier, viz. Contract \_\_\_\_\_, (hereinafter called "Contract") and has accepted the Quotation by the Supplier for the supply of goods under Contract at the sum of \_\_\_\_\_ (\_\_\_\_\_ ) hereinafter called "the Contract Price".

### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The following documents shall be deemed to form and be read and construed as part of this agreement, viz:
  - 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 hereinafter mentioned, the Supplier hereby concludes an Agreement with the Purchaser to execute and complete the supply of goods under the Contract and remedy any defects therein in conformity with the provisions of the Contract.
3. The Purchaser hereby covenants to pay, in consideration of the acceptance of Contract, supply and delivery of the goods and remedying of defects therein, the Contract Price in accordance with Payment Conditions prescribed by the Contract.

IN WITNESS whereof the parties hereto have executed the Contract under the **Laws of India** on the date indicated above.

**Signature and seal of the Purchaser:**  
For and on behalf of

**Signature and seal of the Supplier:**  
For and on behalf of

\_\_\_\_\_  
Name of 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:** **Microprocessor/ PLC controller based machines**

**Package No.** HPSDP-DOTE/26

1. Schedules for Supply: Attached as **Annexure - A.**
2. Fixed Price: The prices indicated in the Form of Quotation are firm and fixed and not subject to any adjustment during contract performance.
3. Delivery Schedule: **The delivery should be completed as per above schedule but not exceeding 60 days from the date of signing of contract.**
4. Insurance: 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. Applicable Law: 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. Delivery and Documents: 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. Payment: 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. Warranty: Goods offered should be covered by manufacturer's warranty for at least 365 Days from the date of delivery to the Purchaser.

10. Defects: 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. Force Majeure: 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. Failure to Perform: 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: \_\_\_\_\_

| <b>Delivery Locations</b><br><b>Package No. HPSDP-DOTE/26</b><br><b>Microprocessor/ PLC controller based machines</b> |  |                          |
|---|--|--------------------------|
|   |  |                          |
| <b>Sr. NO.</b>  | <b>Item Name</b>   | <b>Govt. ITI Shahpur</b> |
| 1   | Microprocessor/PLC controller Automatic screw type Injection Moulding Machine of 80-85 tons capacity | 1                        |
| 2   | Microprocessor/PLC controller based Automatic compression moulding machine of 100 tons capacity      | 1                        |
| 3   | Microprocessor/PLC controller based Automatic Extrusion Blow moulding machine of 2 litres capacity   | 1                        |

# Schedule of supply

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## 1. List of Goods and Related Services

**Package Name:** Supply of Microprocessor/ PLC controller based machines for Industrial Training Institutes to enhance technical and vocational skills among the youth of Himachal Pradesh. HPSDP-DOTE/26; RFQ No. 26/2022

| <b>Lot No: Not Applicable</b>   |  |   |                              |                 |                       |                                 |                                       |  |   |
|---------------------------------|--|---|------------------------------|-----------------|-----------------------|---------------------------------|---------------------------------------|--|---|
| <b>Lot Name: Not Applicable</b> |  |   |                              |                 |                       |                                 |                                       | <b>Delivery Time (in days): not more than 60</b> |   |
| <b>Item No</b>                  | <b>Name of Goods or Related Services</b>   | <b>Description</b>  | <b>Unit of Measure -ment</b> | <b>Quantity</b> | <b>Unit Price INR</b> | <b>Total price per item INR</b> | <b>Sales and other taxes per item</b> | <b>Total Price (Including GST)</b>               | <b>Remarks</b><br>(Please mention Page Number of detailed information brochure having make and model no.) |
| <b>1</b>                        | <b>2</b>   | <b>3</b>  | <b>4</b>                     | <b>5</b>        | <b>6</b>              | <b>7=5*6</b>                    | <b>8=7*@GST%</b>                      | <b>9=7+8</b>                                     |   |
| 1.                              | Microprocessor/PLC controller Automatic screw type Injection Moulding Machine of 80-85 tons capacity | Microprocessor/PLC controller Automatic screw type Injection Moulding Machine of 80-85 tons capacity, as per technical specifications | No.                          | 1               |                       |                                 |                                       |  |   |
| 2.                              | Microprocessor/PLC controller based Automatic compression moulding machine of 100 tons capacity      | Microprocessor/PLC controller based Automatic compression moulding machine of 100 tons capacity, as per technical specifications      | No.                          | 1               |                       |                                 |                                       |  |   |

|    |   |  |     |   |  |  |  |  |  |
|----|---|--|-----|---|--|--|--|--|--|
| 3. | Microprocessor/PLC<br>controller based<br>Automatic Extrusion<br>Blow moulding<br>machine of 2 litres<br>capacity | Microprocessor/PLC<br>controller based<br>Automatic Extrusion<br>Blow moulding machine<br>of 2 litres capacity, as<br>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<br>or<br>Related Services            | Delivery Schedule<br>(Duration)                     | Location  | Required Arrival Date of Goods<br>or Completion Date for Related<br>Services |
|--------------|---|---|---|--|
| 1<br>To<br>3 | As per Schedule 1 – List of Goods and<br>Related Services | Within 60 Days from the Signing of the<br>contract. | <b>As per delivery locations<br/>attached as Annexure-A</b> | Within 60 Days from the Signing<br>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.       | Microprocessor/ PLC controller Automatic screw type Injection Moulding Machine of 80-85 tons capacity | <b>Screw Type Injection Moulding Machine :</b><br>- Capacity 80 to 85 T with the following minimum specifications:<br>- Screw diameter (mm) :36 mm<br>- Injection Pressure (bar) : 1,815<br>- Stroke Volume : 163 cm <sup>3</sup><br>- Screw Stroke : 160 mm<br>- Max Injected Weight(GPPS) gm :155<br>- Injection Rate cc/s :141<br>- Plasticising rate(GPPS)@ speed g/s :17<br>- Screw Speed : 350 rpm<br>- L/D Ratio :21.2<br>- Heating Capacity :8.9 KW<br>- No of Heating Zones :5<br>- Nozzle Protrusion :45 MM<br>- Nozzle Contact Force : 60 kN<br>- Oil Tank capacity : 200 Ltr.<br>- Hopper Capacity : 60 Ltr.<br><b>CLOSING UNIT</b><br>- Closing Force : 1000 KN | - Five point double clamping system of steel casting with steel link and steel bushes.<br>- Mould opening & closing with programmable and independent strokes and speed.<br>- Automatic lubrication system is toggle side clamping and injection strokes are monitored by linear transducers.<br>- Single stroke hydraulic ejector.<br>- Square tie bar distance with large mould height.<br>- High tensile, hard chrome plated tie bar. | - One No. suitable mould<br>- Other standard Accessories | - Standard  | - User/Operating Manual<br>- List of Service Centres in India<br>- Warranty Certificate | - To be supplied at designated ITI's in Himachal Pradesh<br>- Training as required by staff of ITI | - Two years from Date of Installation |

|  |  |  |   |  |  |  |  |  |
|--|--|--|---|--|--|--|--|--|
|  |  | <ul style="list-style-type: none"> <li>- Mould Open Stroke : 350 mm</li> <li>- Mould Height :180-410 mm</li> <li>- Distance between Platens : 760 mm</li> <li>- Distance between Tie-Bars(hxv):410X410 mm</li> <li>- Clamping Platens(hxv):610X610 mm</li> <li>- Ejector Force :51 KN</li> <li>- Ejector Stroke :130 mm</li> </ul> | <ul style="list-style-type: none"> <li>- Electrical inter lock in front and rear safety guard.</li> <li>- Ceramic band heaters.</li> <li>- High torque hydraulic motor for screw drive.</li> <li>- Automatic suck back system.</li> <li>- Two stage injection speed.</li> <li>- Gas nitrided screw barrel with standard L/D ratio.</li> <li>- Injection movement is actuated by two hydraulic cylinder.</li> <li>- Stainless steel hopper with magnetic grill with swivelling system to permit easy change of material.</li> <li>- Limit switches controlled operation, for stroke control.</li> <li>- MCB control for each heating zone separately.</li> <li>- Star delta starter for pump motor.</li> <li>- Overload</li> </ul> |  |  |  |  |  |
|--|--|--|---|--|--|--|--|--|

|    |   |   |   |  |            |   |  |                                       |
|----|---|---|---|--|------------|---|--|---------------------------------------|
|    |   |   | protection for pump motor.<br>- Centralized automatic lubrication system.<br>- Air injector with timer.   |  |            |   |  |                                       |
| 2. | Microprocessor/ PLC controller based Automatic compression moulding machine of 100 tons capacity    | <b>Microprocessor / PLC controller based Automatic compression moulding machine :</b><br>- Capacity Minimum : 100 Tons;4 pillars type up stroking ram movement.<br>- Minimum Stroke Length : 510 mm<br>- Minimum Shut Height :190 mm<br>- Minimum Platen size :600 x 600 mm<br>- Electrical heating load of the platens: 6 KW / Platen<br>- Operation: PLC based touch type screen. | - Standard  | - one no. suitable mould<br>- Other standard Accessories | - Standard | - User/Operating Manual<br>- List of Service Centres in India<br>- Warranty Certificate | - To be supplied and installed at designated ITI's in Himachal Pradesh<br>- Training as required by staff of ITI | - Two years from Date of Installation |
| 3. | Microprocessor/ PLC controller based Automatic Extrusion Blow moulding machine of 2 litres capacity | <b>Automatic Extrusion Blow Moulding Machine</b><br>- Capacity: 1 to 2 litre<br>- Screw Dia. (mm): 32-50<br>- Screw Speed: 1-60 m/sec<br>- Platen Length Size: 200-610 mm<br>- Platen Width Size: 200-610 mm  | - A Sturdy & heavy body made up of cast steel, hardened & chrome plated with a heavy base enough to withstand impact & load and having digital temperature controller | - One No. Suitable mould<br>- Other standard Accessories | - Standard | - User/Operating Manual<br>- List of Service Centres in India<br>- Warranty Certificate | - To be supplied and installed at designated ITI's in Himachal Pradesh<br>- Training as required by staff of ITI | - Two years from Date of Installation |

## **4. Drawings**

*Not Applicable*