

(Rs. 300/- non-re-fundable)

GENERAL INSTRUCTIONS & TENDER DOCUMENT FOR

The procurement of Machinery & Equipment of Fitter Trade
in ITI wing.

DUE ON 07.11.2019

PRINCIPAL ATAL BIHARI VAJPAYEE GOVT. INSTITUTE OF
ENGINEERING & TECHNOLOGY PRAGATINAGAR DISTT.
SHIMLA (HP)

**OFFICE OF THE PRINCIPAL
ATAL BIHARI VAJPAYEE GOVT.INSTITUTE OF ENGINEERING & TECHNOLOGY
PRAGATINAGAR DISTT.SHIMLA (HP)-171202, TELE-FAX; 01783-253918.**

No. ABVGIET/STR/Quotation/ Tender / 2019-20-/01

Sr No.....

Tender Document for the supply of Machinery and Equipment's required in ATAL BIHARI VAJPAYEE GOVT.INSTITUTE OF ENGINEERING & TECHNOLOGY (POLYTECHNIC WING) PRAGATINAGAR DISTT.SHIMLA (HP)-171202

General Information

1	Tender for supply of	Machinery & Equipment												
2	Tender Reference	ABVGIET/STR/ITI/Tender / 2019-20/- 01												
3	Last date and time for receipt of Bid by hand or by post	07-11-2019 at 0 2:00 PM												
4	Time and date of opening of tender	07-11-2019 at 0 3:00 PM												
5	Place of opening of tender:	Office of the Principal Atal Bihari Vajpayee Govt. Institute of Engg. & Technology Pragatinagar, Distt. Shimla (HP) Pin- 171202.												
6	Address for communication	Principal Atal Bihari Vajpayee Govt. Institute of Engg. & Technology Pragatinagar, Distt. Shimla (HP) Pin- 171202.												
7	Tender cost	Rs. 300/- non-refundable.												
8	Earnest money	The amount of earnest money shall be deposited by the tenderer with their tenders, which may be regulated in following manner												
		<table border="1"> <thead> <tr> <th>S.No</th> <th>Amount of quoted value of tenders</th> <th>Earnest Money</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Rs. 2 Lacs to 5 Lacs</td> <td>Rs. 10000/-</td> </tr> <tr> <td>2</td> <td>Above Rs. 5 Lacs to 10 Lacs</td> <td>Rs. 25000/-</td> </tr> <tr> <td colspan="3">Amount of earnest money will not be less than Rs 10,000/-</td> </tr> </tbody> </table>	S.No	Amount of quoted value of tenders	Earnest Money	1.	Rs. 2 Lacs to 5 Lacs	Rs. 10000/-	2	Above Rs. 5 Lacs to 10 Lacs	Rs. 25000/-	Amount of earnest money will not be less than Rs 10,000/-		
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Principal
Atal Bihari Vajpayee Govt. Institute of Engg. & Technology
Pragatinagar, Distt. Shimla (HP) Pin- 171202

SECTION-A

- 1. Name of the firm/Organization : -----
- 2. Registration No : -----
- 3. Complete Postal address : -----
: -----
: -----
- 4. E-mail address (if any) : -----
- 5. Whether Manufacturer/Dealer/Supplier : -----
- 6. Total Amount of items Tendered
(Excluding taxes) in words : -----

- 7. Detail of earnest Money Draft No. & Date : -----
Amount : -----
Bank : -----

(Signature of the Tenderer with seal)

SECTION-B

Schedule of Requirement

Sr. No.	Description of item(s)	Qty.
Schedule – A		
	Supply of Machinery and Equipment required in Atal Bihari Vajpayee Institute of Engineering & Technology Pragatinagar, Distt. SHIMLA (HP)- 171202	As per list attached in section C

Principal
Atal Bihari Vajpayee Govt. Institute of Engg. & Technology
Pragatinagar, Distt. Shimla (HP) Pin- 171202

SECTION-C

DETAILED SPECIFICATION OF THE ITEMS MENTIONED IN

SCHEDULE-A

Sr. No	Description of item	Specification of items	Quantity
1	Compressor unit	Suitable for Pressure: 8 bar, Delivery: 50 lpm (or more), Reservoir capacity: 24 Litres, 230V, 50 Hz, with pressure regulator and water separator	1 No.
2	Pneumatic Trainer Kit, each consisting of the following matching components and accessories:		01 sets
	I. Single acting cylinder	Max. stroke length 50 mm, Bore dia 20 mm	1 No
	II. Double acting cylinder	Max. stroke length 100 mm, Bore dia 20 mm, magnetic type	1 No
	III. 3/2-way valve	manually-actuated, Normally Closed	2 Nos
	IV. 3/2-way valve	pneumatically-actuated, spring return	1 No
	V. One-way flow control valve	with manually-operated switch	2 Nos
	VI. 5/2-way valve	with manually-operated switch	1 No
	VII. 5/2-way valve	pneumatically-actuated, spring return	1 No
	VIII. 5/2-way pneumatic actuated valve	double pilot	1 No
	IX. 3/2-way roller lever valve	direct actuation Normally Closed	2 Nos
	X. Shuttle valve (OR)		1 No
	XI. Two-pressure valve (AND)		1 No
	XII. Pressure gauge	0-16 bar	1 Nos
	XIII. Manifold with self-closing	NRV, 6-way	1 No
	XIV. Pushbutton station for electrical signal input	with 3 illuminated momentary-contact switches (1 NO + 1 NC) and 1 illuminated maintained-contact switch (1 NO + 1 NC), Contact load 2A	1 No
	XV. Relay station	with 3 relays each with 4 contact sets (3NO+1NC or Change-over type), 5 A	1 No
	XVI. 3/2-way single solenoid valve	with LED	1 No
	XVII. 5/2-way single solenoid valve	with manual override and LED	1 No
	XVIII. 5/2-way double solenoid valve	with manual override and LED	1 No

	XIX. Power supply unit,	Input voltage 85 – 265 V AC, Output voltage: 24 V DC, Output current: max. 4.5 A, short-circuit-proof.	1 No
	XX. Profile plate, Anodised Aluminium	1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the pneumatic workstation)	1 sets
3	Pneumatic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mmxH158mm each, and overall size of Drawer unit (Approx.) - L470mmxW495mmxH825mm and (3) Drawer slide height (Approx.) 85mm.	1 No
4	Carrier for mounting components, such as PB & relay boxes.		1 No
5	Cut section model for Pneumatic components	According to item Sr. No. 02 of this list, components sr. No. I to XX	1 No.
6	Hydraulic Trainer Kit, each consisting of the following matching components and accessories:		1 sets
	I. Hydraulic Power pack	with (1) external gear pump having a delivery rate of 2.5 lpm, (approx.) @ 1400 rpm operating pressure 60 bar, coupled to a single-phase AC motor (230 V AC) having start capacitor and ON/OFF switch and overload protection, (2) pressure relief valve adjustable from 0 – 60 bar, (3) oil reservoir, ≥5 litres capacity having sight glass, drain screw, air filter, and P and T ports	1 No.
	II. Pressure relief valve	pilot-operated	1 No
	III. Drip tray, steel	size 1160 mm x 760 mm.	1 No.
	IV. Pressure Gauge	Glycerin-damped, Indication range of: 0 – 100 bar	1 No
	V. Four-Way distributor	with five ports, equipped with a pressure gauge	1 No.
	VI. Double acting hydraulic cylinder	with a control cam, Piston diameter16 mm, Piston rod diameter10 mm, Stroke length 200 mm.	1 No.
	VII. Suitable Weight	for vertical loading of hydraulic cylinder	1 No.
	VIII. Mounting kit for weight	For realizing pulling and pushing load.	1 No.
	IX. 3/2-way directional control valve	with hand lever actuation	1 No.

	X. 4/2-way directional control valve	with hand lever actuation	1 No.
	XI. 4/3-way directional control valve	Closed - Centre position, with hand lever actuation.	1 No.
	XII. Non-return valve.		1 No.
	XIII. Pilot-operated check valve	pilot to open	1 No.
	XIV. One-way flow control valve	with integrated check valve	1 No.
	XV. T-Connector with self-sealing coupling nipples (2 Nos.) and quick coupling socket (1 No.).		2 Nos.
	XVI. Profile plate,	Anodized Aluminum, 1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the Hydraulic workstation)	1 set
7	Hydraulic Workstation with 40 square mm aluminum profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mmxH158mm each, and overall size of Drawer unit (Approx.) - L470mmxW495mmxH825mm and (3) Drawer slide height (Approx.) 85mm	1 No
8	Cut section for hydraulic components	According to item Sr. No. 06 of this list, components sr. No. I to XVI	1 set

Principal
ABVGIET, Pragatinagar
Distt. Shimla (HP)

SECTION-D**PRICE SCHEDULE**

S.N	Description of item	Specification of items	Qty	Cost per unit (Rupees).	Total Cost (Rupees).
1	Compressor unit	Suitable for Pressure: 8 bar, Delivery: 50 lpm (or more), Reservoir capacity: 24 Litres (or more), 230V, 50 Hz, with pressure regulator and water separator	1 No.		
2	Pneumatic Trainer Kit, each consisting of the following matching components and accessories:		01 sets		
	I. Single acting cylinder	Max. stroke length 50 mm, Bore dia 20 mm	1 No		
	II. Double acting cylinder	Max. stroke length 100 mm, Bore dia 20 mm, magnetic type	1 No		
	III. 3/2-way valve	manually-actuated, Normally Closed	2 Nos		
	IV. 3/2-way valve	pneumatically-actuated, spring return	1 No		
	V. One-way flow control valve	with manually-operated switch	2 Nos		
	VI. 5/2-way valve	with manually-operated switch	1 No		
	VII. 5/2-way valve	pneumatically-actuated, spring return	1 No		
	VIII. 5/2-way pneumatic actuated valve	double pilot	1 No		
	IX. 3/2-way roller lever valve	direct actuation Normally Closed	2 Nos		
	X. Shuttle valve (OR)		1 No		
	XI. Two-pressure valve (AND)		1 No		
	XII. Pressure gauge	0-16 bar	1 Nos		
	XIII. Manifold with self-closing	NRV, 6-way	1 No		

	XIV. Pushbutton station for electrical signal input	with 3 illuminated momentary-contact switches (1 NO + 1 NC) and 1 illuminated maintained-contact switch (1 NO + 1 NC), Contact load 2A	1 No		
	XV. Relay station	with 3 ralays each with 4 contact sets (3NO+1NC or Change-over type), 5 A	1 No		
	XVI. 3/2-way single solenoid valve	with LED	1 No		
	XVII. 5/2-way single solenoid valve	with manual override and LED	1 No		
	XVIII. 5/2-way double solenoid valve	with manual override and LED	1 No		
	XIX. Power supply unit,	Input voltage 85 – 265 V AC, Output voltage: 24 V DC, Output current: max. 4.5 A, short-circuit-proof.	1 No		
	XX. Profile plate, Anodised Aluminium	1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the pneumatic workstation)	1 sets		
3	Pneumatic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mmxH158 mm each, and overall size of Drawer unit (Approx.) - L470mmxW495mmxH825 mm and (3) Drawer slide height (Approx.) 85mm.	1 No		
4	Carrier for mounting components, such as PB & relay boxes.		1 No		
5	Cut section model for Pneumatic components	According to item Sr. No. 02 of this list, components sr. No. I to XX	1 No.		
6	Hydraulic Trainer Kit, each consisting of the following		1 sets		

	matching components and accessories:				
	I. Hydraulic Power pack	with (1) external gear pump having a delivery rate of 2.5 lpm, (approx.) @ 1400 rpm operating pressure 60 bar, coupled to a single-phase AC motor (230 V AC) having start capacitor and ON/OFF switch and overload protection, (2) pressure relief valve adjustable from 0 – 60 bar, (3) oil reservoir, ≥5 litres capacity having sight glass, drain screw, air filter, and P and T ports	1 No.		
	II. Pressure relief valve	pilot-operated	1 No		
	III. Drip tray, steel	size 1160 mm x 760 mm.	1 No.		
	IV. Pressure Gauge	Glycerin-damped, Indication range of: 0 – 100 bar	1 No		
	V. Four-Way distributor	with five ports, equipped with a pressure gauge	1 No.		
	VI. Double acting hydraulic cylinder	with a control cam, Piston diameter 16 mm, Piston rod diameter 10 mm, Stroke length 200 mm.	1 No.		
	VII. Suitable Weight	for vertical loading of hydraulic cylinder	1 No.		
	VIII. Mounting kit for weight	for realizing pulling and pushing load.	1 No.		
	IX. 3/2-way directional control valve	with hand lever actuation	1 No.		
	X. 4/2-way directional control valve	with hand lever actuation	1 No.		
	XI. 4/3-way directional control valve	closed-centre position, with hand lever actuation.	1 No.		
	XII. Non-return valve.		1 No.		
	XIII. Pilot-operated check valve	pilot to open	1 No.		
	XIV. One-way flow control valve	with integrated check valve	1 No.		
	XV. T-Connector with self sealing coupling nipples (2 Nos.) and quick coupling socket (1 No.).		2 Nos.		
	XVI. Profile plate,	Anodized Aluminum, 1100x700 mm, with carriers, mounting frames	1 set		

		and mounting accessories (To be fitted onto the Hydraulic workstation)			
7	Hydraulic Workstation with 40 square mm aluminum profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) – L1200mmXW900mmXH90 0mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mmxH158 mm each, and overall size of Drawer unit (Approx.) - L470mmxW495mmxH825 mm and (3) Drawer slide height (Approx.) 85mm	1 No		
8	Cut section for hydraulic components	According to item Sr. No. 06 of this list, components sr. No. I to XVI	1 set		

Total Bid Price (Excluding Taxes in Rs) _____

(In words) _____

Date _____

Place _____

(Signature of the bidder with seal)

Name and Address-----

TERMS AND CONDITIONS

1. Bidders are required to submit the attested copy of Registration (latest) clearly mentioning the period of validity. Any firm failing to submit the same will not be entertained.
2. Rate has to be quoted for complete set (including all sub-parts/accessories, if any) of machinery/equipment to be supplied. Bidder quoting the lowest rate for complete set of an item in the list shall only be considered fulfilling all other requisite conditions.
3. **The financial bid will be opened only after the technical bid has been verified using the product catalogue specifications provided by the bidder. Each bidder has to attach a technical bid separately. Only when the technical bid is verified the financial bid will be opened else the tender will be rejected.**
4. **The items for which specifications are not mentioned in the tender document will be evaluated based on the technical bid first and the financial bid will be used to compare the prices.**
5. The tenderer shall submit the latest income tax return statement. This will help in assessing the capability of the bidder to supply the items mentioned in the schedule of bid document.
6. The bidder shall also submit the proof that it is sales tax payee. The attested photocopy of the same is required to be submitted along with the bid document.
7. The rates quoted should be F.O.R. destination at ABVGIET Pragatinagar, Distt. Shimla H.P.-171202. The rates must also include installation/Demonstration and Training expenses, if any.
8. The rates quoted should be inclusive of GST.
9. The duly constituted College Committee shall inspect the material to satisfy itself for verifying specifications as mentioned in bid document.
10. The supplier shall be required to complete the delivery at college (including inspection) within stipulated days as mentioned in the supply order.
11. The items/equipment shall remain under Guarantee/Warranty by the supplier.
12. The Guaranty/Warranty shall be effective from the actual date of installation in case of items of machinery and equipment.
13. 100% payment will be made within one month against physical delivery of inspected/accepted stores duly supported with satisfactory inspection note and after receipt of correct goods at consignee site/destination.
14. Earnest money as mentioned in the document shall be required to be paid by the tenderer along with the tender document in shape of account payee demand draft or duly pledged fixed deposit receipts in favor of the Principal, ABVGIET Pragatinagar, District Shimla H.P.-171202 payable at Pragatinagar (Gumma).
15. Performance security as mentioned in the document shall be obtained from the successful tenderer on the award of the contract in the shape of account payee demand draft or duly pledged fixed deposit receipts or bank guarantee from commercial bank will remain valid for one year from the date of completion of the contract if the supplier fails to repair the damaged/replaced within the one year guarantee/warranty period, the performance security will be forfeited.
16. Refund of amount of security and earnest money deposited by the firm will be made after three months from the date of expiry of contract or after the date of satisfactory completion of the given supply orders. Keeping in view both these conditions while making applications for the refund of the amount of security. The concerned firm will have to furnish a certificate that the supply of all the supply orders received by it has been made to the consignee according to the prescribed specifications to their entire satisfaction.

17. The earnest money of the bidders whose tender has not been approved/qualify would be returned after proper scrutiny.
18. The tenders not providing the specifications/descriptions of the item mentioned in bid in catalogue form will be rejected.
19. If the date of accepting/opening the tenders happens to be holiday, the tenders will be opened on the next day at the same time.
20. Telegraphic, Fax, Conditional tenders and tenders without earnest money shall not be accepted.
21. ABVGIET Pragatinagar, Distt. Shimla H.P.-171202 reserves the right to accept or reject any or all tenders without assigning any reason.
22. The bidders shall keep their offer open for 6 months from the date of opening the tenders. A bid valid for shorter period may be rejected by the purchaser as non-responsive.
23. The Principal may appoint a “Negotiation Committee” if required.
24. The bidder will be responsible for damage or loss in transit and replace goods broken within 10 days from the date of notice thereof.
25. In case where it has not been specifically indicated in the schedule that only manufacturer can participate in tenders, in such cases the tenderers other than manufacturers should attach authorization letter from such principal manufacturer along with the tender.
26. The tender form along with the earnest money and forwarding letter on Letter Head Pad of the firm should be sent through Regd. Post/Speed Post/By Hand well in advance so as to reach to the Principal ABVGIET Pragatinagar (ITI Wing) Distt. Shimla H.P.-171202 on or before the date of closing the offer i.e. **07-11-2019 up to 2:00 PM. The offer should be sent in a sealed envelope clearly indicating on the top the tender number, due date and the category of items.**
27. All the bidders are required to sign each paper of the bid document along with the stamp of their respective organization. Without signature and stamp the tender submitted by them are likable for rejection.
28. **The bidder has to attach the supporting documents/catalogues for all the items.**
29. All the disputes shall be settled within the jurisdiction of Sub-Judge Court, Theog, Distt. Shimla H.P.
30. The earnest money deposited by the tenders shall be forfeited in the following events:
 - i) A modification or withdrawal of tender after the deadline of submission of tenders and during the validity period.
 - ii) Refusal by the tenderer to accept an arithmetical error or otherwise appearing on the face of the tender.
 - iii) Failure on the part of the successful tenderer to provide performance security for the execution of the contract.
 - iv) Failure on the part of the successful tenderer to execute the contract as per terms and conditions of the tender.
31. The purchaser may, at its discretion, extend deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of the purchasers and bidders previously subject to the deadline will thereafter be subjected to the deadline as extended.
32. The purchaser has the right to ask the supplier(s) to produce the sample of the item(s) for the purpose of comparison of prices and to evaluate technically before placing supply order to the firm.
33. The purchaser or its representative shall have right to inspect or test the goods to confirm their conformity to the contract. The inspection and tests may be conducted on the premises of the supply at his costs.

34. The purchaser reserves the right to increase or decrease the quantity of goods to be procured.
35. An excused delay by the supplier in the performance of its delivery obligations shall rendered the supplier to any or all of the following:
- i) Forfeiture of its bids security and its performance security.
 - ii) Imposition of liquidated damage.
 - iii) Termination of the contract for default.
36. If at any time during performance of the contract, supplier encounter conditions impending timely delivers of the goods and performance of the services, the supplier shall promptly notify the purchaser in writing of the facts of delay, its likely duration and its causes as soon as practicable after the receipt of the supplier notice. The purchaser shall evaluate the situation and may at its desecration extend the supplier time for the performance.

Special Conditions

1. **No. of items can be increase/ decreased/deleted depending up on the budget/requirement.**
2. **Supply is subject to the financial approval from the competent authority.**
3. **Proof of past supplies made satisfactorily to Govt. Deptt. In last three year to be enclosed to the satisfaction of the purchase committee.**
4. All the items mentioned in the schedule shall be preferred from the single vender.
5. The bidder must be a manufacturer or in supplying business as authorized distributor/stockiest for at least three years.
6. The bidder who is a potential authorized supplier/stockiest/dealer in the same business during last three years shall be preferred

I/We herewith enclose a sum of Rs. _____ as earnest money (EMD) in form of demand draft or equivalent and should I/We fail to execute an agreement embodying the above mentioned terms and conditions agree that the above sum as EMD shall be forfeited to the Principal, ABVGIET Pragatinagar, Distt. Shimla H.P.-171202.

ALL THE ABOVE CONDITIONS ARE ACCEPTABLE TO US

For (authorized Signatory)

Name of the Firm: _____

Complete Address: _____

Seal Stamp