

**QUOTATION**

No. JP/CC/Prot/2/42

Dated: 13/1/2015

**Quotation are invited for supply of Equipment to various laboratories of Jowai Polytechnic.**

**Details of the items and the terms and conditions may be downloaded from the institute website [www.jowaipolytechnic.in](http://www.jowaipolytechnic.in). The last date for submission of the quotation is 30th January 2015 at 1:00PM.**

**Sd/-  
Principal,  
Jowai Polytechnic,  
Jowai.**

## TERMS AND CONDITIONS

1. The envelop containing the Quotation should be sealed and super-scribed as “Quotation for Equipment to Jowai Polytechnic - CC Jan 2015 and addressed to:  
The Principal,  
Jowai Polytechnic,  
Ladthalaboh,  
Jowai - 793150.
2. Bid Price
  - a. All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price. These should be clearly mentioned.
  - b. The rates should be quoted F.O.R Jowai. Rates quoted should be valid up to 31st December 2015.
  - c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
  - d. The Prices should be quoted in Indian Rupees only.
  - e. For equipment that requires installation, cost of installation should be shown separately and added to the bid price. (Providing foundation, fittings, fixing, control panels etc are part of installation. Drawing of power/plumbing supply lines from a junction to the Control Panel/fittings however may not be considered as part of installation)
3. While submitting Quotation, CST/ST registration No. & Date of state concerned and also attested copies of Income Tax Clearance, Sales Tax Clearance Certificates (up to date), valid Trading License (in case of non-tribal) should be attached.
4. The rate of items should be furnished by giving detailed specifications, make, brand etc, together with Catalogue/ Leaflets where available.
5. Buyers shall not be responsible for payment of Transit Insurance Charges.
6. The Payment of Supplier's Bill shall be made after satisfactory installation, commissioning and test run by the supplier at the destination.
7. Quotation should be accompanied with Rs 50/- court fee stamp.
8. The undersigned reserves the right to reject any Quotation/Tender or part of it without

assigning any reason thereof.

9. It is to be recorded in the Quotation whether you are a Manufacturer/ Authorised Dealer of the item quoted.
10. Preference for contract will be given to Manufacturer/ Authorised Dealer.
11. In case any foreign item is quoted it should specifically indicate details of import license. The supplier will be responsible for production of all documents relating to import of such items.
12. If the supplier fails to supply the materials within the time specified in the supply order, the order will be treated as cancelled.
13. The last date for submission of Quotations to the Office of the Principal Jowai Polytechnic, Jowai will be the 30<sup>th</sup> January 2015 at 1:00PM, and the same shall be opened on this day at 2:30PM.

## **LIST OF EQUIPMENT**

### **1. AUTOMOBILE ELECTRICAL AND ELECTRONICS LAB.**

<b>Sl. No.</b>	<b>Item Name</b>	<b>Specification/ Make/Brand</b>	<b>Rate w/o Tax</b>	<b>VAT</b>
1	Experimental Setup for study of Anderson Bridge	V-Ramp System		
2	Experimental Setup for study of D/C Potentiometer	V-Ramp System		
3	Experimental Setup for study of Kirchoff's Law verification	V-Ramp System		
4	Experimental Set up for R-L-C Circuit	V-Ramp System		
5	Experimental Setup for study of Super position Theorem	V-Ramp System		
6	Experimental Setup kit for 8085 Microprocessor	V-Ramp System		
7	Programmable logic control Trainer	V-Ramp System		
8	Study of Thermocouple Characteristics	V-Ramp System		
9	Alternator Test Rig	V-Ramp System		
10	AC Motor Test Kit	V-Ramp System		
11	DC Motor Test Kit	V-Ramp System		
12	Speed control of AC motor	V-Ramp System		
13	Speed control of DC motor	V-Ramp System		
14	Stepper motor Trainer	V-Ramp System		

### **2. STRENGTH OF MATERIALS AND APPLIED MECHANICS LAB**

<b>Sl. No.</b>	<b>Item Name</b>	<b>Specification/ Make/Brand</b>	<b>Rate w/o Tax</b>	<b>VAT</b>
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1	Simple Supported Beam	Dinesh Scientific		
2	UTM 40 Ton Digital	Dinesh Scientific		
3	Torsion Testing Machine with Platform	Dinesh Scientific		
4	Deflection of Beam Apparatus	Dinesh Scientific		

**3. FLUID MECHANICS, POWER & OIL HYDRAULICS AND FLUID MACHINES LAB.**

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1	Bernoulli's Theorem Apparatus	V-Ramp System		
2	Calibration of Venturimetre and Orificemetre	V-Ramp System		
3	Complete set up of Flow measurement using Pitot Tube	Dinesh Scientific, Haryana		
4	Pipe Friction Apparatus	Dinesh Scientific, Haryana		
5	Reynold's Apparatus	Dinesh Scientific, Haryana		
6	Laminar and Turbulent Flow Apparatus	NIYO Engineers		
7	Metacentric Height Apparatus	NIYO Engineers		
8	Stability of Floating body Apparatus	NIYO Engineers		
9	Basic Pneumatic Trainer	NIYO Engineers		
10	Electro Pneumatic Trainer	V-Ramp System		

#### 4. THERMAL, REFRIGERATION AND AIR CONDITIONING LAB

Sl. No	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1	Bomb Calorimetre	Dinesh Scientific		
2	Morse Test Apparatus experimental Apparatus for finding IHP	Bharat Emporium		
3	Exhaust Gas Analysis Apparatus	Dinesh Scientific		
4	Throttling Calorimetre	Bharat Emporium		
5	Refrigeration Tutor test Rig	Dinesh Scientific		
6	Air Conditioning Test Rig	Dinesh Scientific		
7	Air Conditioning working Model	Dinesh Scientific		
8	Air Conditioning Tutor	NIYO Engineers		
9	Automotive Air Conditioning Trainer	NIYO Engineers		
10	Computerised Refrigeration Trainer	NIYO Engineers		

#### 5. DYNAMICS AND KINEMATICS OF MACHINES LAB

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1	Four Bar Link Mechanism	Dinesh Scientific		
2	Reciprocating Engine Mechanism	Dinesh Scientific		
3	Kinematic Pairs (All types)	Dinesh Scientific		
4	Ellipse Tracer Model	Dinesh Scientific		

5	Gear Tooth Oprofile Generation Apparatus	Dinesh Scientific		
6	Cam Analysis Apparatus	Dinesh Scientific		
7	Governor Apparatus with Attachments	Dinesh Scientific		
8	Static and Dynamic Balancing Machine	V-Ramp System		
9	Simple Gear Train	Dinesh Scientific		
10	Compound Gear Train	Dinesh Scientific		
11	Epicyclic Gear Train Apparatus	V-Ramp System		
12	Slip and Creep Test Rig	V-Ramp System		

## 6. AUTOMOBILE WORKSHOPS AND LABS

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1	Computer Controlled Petrol Engine Test Rig	V-Ramp System		
2	Computer Controlled Diesel Engine Test Rig	V-Ramp System		
3	Turbojet Engine Trainer	NIYO Engineers		
4	Engine Test Rig with Fault Trainer	NIYO Engineers		
5	Computerised Wheel Aligner	MANATEC		
6	Computerised Wheel balancer	MANATEC		
7	Crankshaft Grinding Machine	Any Manufacturer		
8	Computerised Injector Cleaning Machine	M/S Universal Agencies GHY		
9	Pollution Checking Equipments	M/S Universal Agencies GHY		
10	Collision Repair system	MANATEC		
11	Tyre Changers	MANATEC		
12	Automatic Tyre Inflators	MANATEC		

13	Diesel Smoke Metre	MANATEC		
14	Head Lamp Aligner	MANATEC		
15	AC Recycling Equipment	MANATEC		
16	Spark Plug Tester	M/S UniversalAge ncies GHY		
17	Nozzle tester	M/S UniversalAge ncies GHY		
18	E learning aids on Hydraulics, Pneumatics, Refrigeration and Air Conditioning, Electronics ertc	CC Engineers		

## 7. GENERAL WORKSHOPS

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1.	Power Hacksaw	Medium Duty		
2.	Gas Welding Equipment Set	M/S UniversalAge ncies GHY		
3.	Anvils	Medium Size		
4.	MIG and TIG welding Machines	M/S UniversalAge ncies GHY		
5.	Electric Oven for storing Arc Welding Electrodes	Any		
6.	Portable Wheel Grinding Machine	Any		
7.	Vertical Surface Grinder	Any		
8.	Bench Vices	Any		
9.	Bow Saw	Any		
10.	Metal Jack Plane (Medium)	Anand		
11.	Rabbet Plane (Medium)	Anand		
12.	Band Saw Blade (Small)	Any		
13.	Measuring Tape (Metric)	Any		
14.	Hacksaw Frame	Any		
15.	File (Rough) Flat	Any		
16.	File (Smooth) Flat	Any		
17.	Metal Drill Bit	Any		
18.	Tap and Die Rang:0-25 mm	Any		



## 8. FASHION TECHNOLOGY LAB

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1	Multi Stitch Sewing Machine	USHA Wonder Stitch		
2	Single needle computerised embroidery machine	USHA Memory Craft 200E		

## 9. ARCHITECTURE ASSISTANTSHIP

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1.	Blue Print Machine	-		
2.	Epidiascope	-		
3.	Scanner	-		
4.	Theodolite	-		
5.	Wooden Instruments for classroom teaching	-		

## 10. MATERIAL TESTING LAB

Sl. No.	Item Name	Specification/ Make/Brand	Rate w/o Tax	VAT
1.	Universal Testing Machine (Tensile & Compression) 40 tonnes capacity	AIMAL/ENKA Y		
2.	Compression Testing Machine (100 Tones Capacity)	AIMAL/ENKA Y		
3.	Vicat's Apparatus			
4.	Lechatelier's Apparatus			
5.	Compacting Factor Apparatus			
6.	Slump Cone			
7.	I.S. Sieves (4.75mm,2.36mm,1.18mm,750 microns,600 microns,450 microns,300 microns,150micron, 90 micron,75 micron & Pan)	For Fine Aggregate		
8.	I.S. (80mm,63mm,40mm,25mm,20mm, 10mm & Pan)	For coarse Aggregate		

9.	Measuring Jar (250 ml capacity), Trowel, Plunger			
10.	Mould (7cm*7cm*7cm)			
11.	Tapping Rod, Scale			
12.	Concrete Cube Mould Size (15mm*15mm*15mm*15mm)			
13.	Measuring Cylinder of 3 litres,15 litres,30 litres			
14.	Balance (big) 60 kg (digital with weight box )	0.5 gm sensitivity		
15.	Balance (small) 5 kg (digital)	0.1 gm sensitivity		
16.	Drying Oven-150 litres capacity			
17.	Trowel , Spatula			