

**PROCUREMENT OF GOODS
UNDER
NATIONAL SHOPPING
PROCEDURES**

*(For Contracts valued less than the
equivalent of US \$50,000 each)*

For

AUTOMOBILE ENGINEERING DEPARTMENT

No. / Category of quotation: - RIT/TEQIP/E5/ AUTO/JUNE 2005/01

Supply of equipments for various laboratories in Automobile Engineering Department

Schedule: - A

Sr. No	Brief Description of item	Specifications	Qty	Period of delivery	Place of Delivery	Installation if any
1	Two Wheeler Chassis Dynamometer	<p>Two wheeler Chassis Dynamometer with following features:</p> <ul style="list-style-type: none"> a) Water-cooled Eddy Current dynamometer with load cell type weighing mechanism. Maximum Torque 240 Nm @ 1500 rpm. With three modes of operation viz. constant speed, constant torque & constant excitation current. b) Wheel Base adjustment from 1100 mm to 1500 mm c) Rollers: Three rollers: 1) power roller for rear wheel, 2) idler roller for rear wheel and 3) front wheel roller. d) Advance Control systems with full feature remote control, RS232 Interface e) Frame: Heavy-duty structural steel frame to support the roller and dynamometer with ramps. f) Rear wheel rolling restraint g) Used for conducting following tests – 1) Loading Test 2) Acceleration Test 3) Brake Performance Test 4) Fuel Consumption Test 	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES

Schedule: - B

Sr. No	Brief Description of item	Specifications	Qty	Period of delivery	Place of Delivery	Installation if any
1	Computerized Diesel/Petrol variable compression ratio engine test set up	<p>Computerized Diesel/Petrol variable compression ratio /conventional engine test set up with following specifications:</p> <ul style="list-style-type: none"> • Engine: Single cylinder 4 stroke Diesel/Petrol Engine, Power 5kw @ 1500/1800 rpm. • Eddy current dynamometer with full load trial at rated power. • Propeller shaft with universal joints • Air box with Orifice meter and Manometer • 15 liters Fuel tank with glass fuel metering column. • Windows based engine performance analysis software • P-θ, P-V plots, performance plots, configurable graphs & tabulated results with data log-in, editing, printing and export facility. 	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES

Schedule: - C

Sr. No	Brief Description of item	Specifications	Qty	Period of delivery	Place of Delivery	Installation if any
1	Auto Electrical Test Bench	Auto Electrical Test Bench (Total Performance testing for alternators & starter motors) with following features: <ul style="list-style-type: none"> • Testing of 12 / 24 Volts system • Vacuum testing arrangement • Built-in power source • Excitation winding testing • Shorting of armature / stator / rotor testing 	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES
2	Multifunction Tester	Multifunction tester for checking - <ul style="list-style-type: none"> • Alternator voltage regulators • Glow duration units • Setting of EGR potentiometer • Horns / relays / lamps 	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES

Schedule :- D

Sr. No	Brief Description of item	Specifications	Qty	Period of delivery	Place of Delivery	Installation if any
1.	Computerized Wheel Alignment Machine	Computerized wheel alignment machine with all specifications which are used for following measurements: <ul style="list-style-type: none"> • TOE front and rear (total and partial) • THRUST ANGLE. TOE-OUT ON TURNS (steering Angle) • SET BACK: front. • CAMBER: front and rear. • CASTOR ANGLE • KINGPIN ANGLE • INCLUDED ANGLE Computerized wheel balancing machine.	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES
2	Head Lamp Aligner (Tester)	Head lamp tester with following features: <ol style="list-style-type: none"> 1. Digital lux meter for measurement of HL intensity 2. Reflex system for optical chamber with vehicle axis alignment 	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES

Schedule :- E

Sr. No	Brief Description of item	Specifications	Qty	Period of delivery	Place of Delivery	Installation if any
1	Air Compressor	Air Compressor with following features : 1. Two stage units 2. Maximum Working Pressure –12.5 Kg / cm ² 3. No. Of Cylinders - 02 4. Displacement per minute – 196 Liters 5. Motor – 2 HP 6. Tank Capacity Liters - 160	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES
2	Working Cut Section model of Automobile Vehicle	Working Cut Section model of Automobile Vehicle with following features : • Front Engine rear wheel drive vehicle • Working model operated by prime mover • Full cut section showing constructional, operational details.	01	30 days	Auto. Engg. Dept., RIT, Sakharale	
3	LPG Kit	LPG kit consisting following specifications: 1. Vaporizer 2. Cylinder 3. Copper pipe 4. Solenoid Switch	01	30 Days	Auto. Engg. Dept., RIT, Sakharale	YES

2. Government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to US\$ 250 Million towards the cost of the TEQIP Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Bid Price

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- 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.

4. Each bidder shall submit only one quotation.

5. Validity of Quotation

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

6. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed ; and
- (b) confirm to specifications and the specific terms and conditions as follows:

The Quotations would be evaluated for all the items together in each schedule (from A to D).

The Quotations would be evaluated for each item separately in the schedule E.

7. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- 8. Payment shall be made immediately after delivery and successful installation and commissioning of the goods.
- 9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.
- 10. You are requested to provide your offer latest by 12.30 PM. hours on 30th June 2005.
- 11. We look forward to receiving your quotations and thank you for your interest in this project.

*Principal
Rajarambapu Institute of Technology, Rajaramnagar
Sakharale Dist – Sangli 415 414
MAHARASHTRA (India)*

FORMAT OF QUOTATION *

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words

Gross Total Cost : Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

- *Applicable while the bids are being invited for more than one item and would be evaluated for all the items together. Modify where evaluation would be made for each item separately.*

