

GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2016-17/3693

Date: 09 NOV 2016

To,
HOD Computer Dept. for display on College Website

Subject : Invitation for quotation for supply of Equipments (For Department of Automobile Engineering)

Sealed quotations are invited from manufacturers / their authorised suppliers for supply of the following equipments/machinery to this institute. The quotation in specified format, along with necessary supporting documents should be sealed in an envelope and submitted to this office on or before the prescribed time and date mentioned this invitation letter.

Sr.No.	Name of the item with Specification	Qty.	Unit
1	Head Light Beam Aligner : Power supply 9V battery , Column height 1413 mm,Lens Diameter 200 mm , Lens type glass,Measuring range Min : 240 mm , Max 1280 mm. Accuracy (Analog) +/- 10% Accuracy (Digital) +/-15% (15-32 Lux), +/- 10% (32-64 Lux),+/- 5%(64-240 Lux)	1	No.
2	Growler for Armature testing. heavy Durty 1200 Watt, Growler complete with high & Low settings. Mains power 220/240 Volts.	1	No.
3	Automotive Electrical and Electronics System Layout (CHARTS) (2 feet x 4 feet)	17	No.
4	Alternator SA23-24V-45A	1	No.
5	Starter motor : Input voltage 12V 1.4kW	1	No.
6	Standard CDI Coil tester	1	No.
7	Hydraulic jack 3 ton, Trolley type	1	No.
8	Hydraulic jack 5 ton, Trolley Type	1	No.
9	Nozzle Tester : Injection pump mounted on a base and operated with a hand lever, Test oil container with filter, Shut-off valve to isolate the pressure gauge while operating hand lever at high speed, Pressure gauge 0-400 bar (LC:2 bar), High pressure pipes for connecting the injector, Connecting thread size M 12 x 1.5 mm/ M 14 x 1.5 mm, Thread size mm/ both ends M 14 x 1.5,	1	No.
10	Fluid Flywheel- Model made of original used parts. Sutaibly sectioned and arranged to demonstratre the internal construction deatils showing system.Model should be shuitably painted and the entire model mounted on sturdy M.S. Frame powder coated.	1	No.
11	HP/LP cutout in cut section for Automotive refrigeration and air conditioning	1	No.
13	Model of air cooled forced convection coiled condenser (2 feet x 2 feet)	1	No.


14	Double disc Clutch:- standard Double disc Clutch used for any transport or farm Vehicle(~ 30 to 40 HP)	1	No.
15	Gear box:- Automatic Transmission of car,5 speeds, (Working model with demonstration capability, with suitable prime mover for running)- Model made up of original used parts. Suitably sectioned and arranged to demonstrate the internal construction details showing gear system. model should be suitably painted and the entire model mounted on a sturdy M.S. Frame with powder coated.	1	No.
16	Compression gauge with various sizes Adapters:- for a wide number of vehicles (spark plug types/depths)Includes 2 rubber cones ends for quick check (no need to thread into head) 3" Gauge has dual color scale with 0-300 PSI, 0-20 kPa Fittings: M10, M12, M14, M18 (Male, With "O" Ring) Includes 14mm and 18mm spark plug adapters	1	No.
17	Chain pulley block capacity :- 3 ton, Lift :- 3m,with two post metal stand :- Height-10 feet, Width- 10 feet for automotive service station of four wheeler, With RCC foundation:- size 2'x2'x1' (Depth x Width x Height)	1	No.
18	Standard coil spring type Clutch used for any transport or farm Vehicle(~ 30 to 40 HP)	1	No.
19	Standard Automobile Stethoscope,Frequency range :-30 Hz-15kHz,Operating temperature:- 10 to + 200 °C ,Probe length :-70 and 220 mm	1	No.
20	Model of electrical system of an automobile fitted on board (size 4 ft. X 10 ft) with actual related electrical parts (Including wiring harness, adaptors, all electrical accessories of vehicle)	1	No.
21	Dial Test Indicator(Range(mm):10 mm Resolution (mm):0.01 mm Accuracy: 15µm (With Magnetic stand) With V Block For Engine Crankshaft	1	No.
22	Tools Trolley (5 Drawers) Tapariya make, Size:H-780mm,W-520mm,L-749mm, Weight- 40.7 Kg	3	No.
23	Standard Bore Gauge(digital)-Measuring Range:50mm to 150mm,Effective Stroke of plunger:1.6 mm, Number of anvils: 11 pieces,Sub anvil : 01 Piece(50 mm),Number of adjustment spacers: 04 pieces	1	No.
24	Compression gauge with various sizes Adapters:- for a wide number of vehicles (spark plug types/depths)Includes 2 rubber cones ends for quick check (no need to thread into head) 3" Gauge has dual color scale with 0-300 PSI, 0-20 kPa Fittings: M10, M12, M14, M18 (Male, With "O" Ring) Includes 14mm and 18mm spark plug adapters	1	No.
25	Model of evaporative condenser:- RB050W, AMP Draw110V :- 9,AMP Draw 220V :-3, DIMENSIONS: HxWxD in. (mm):-14.5 (368) x 13.5 (343) x 12.5 (317) ,Weight Lbs (kg):-73 (33.1)	1	No.

26	Cut section model of rotary compressor:- (Application: AC Conditioner and heat pump, Compressor Type: Hermetic Rotary Motor Compressor, Refrigerant: R22, Oil Grade: Oil Charge, :SUNISO 4GS-700ml, Paint: Semi-Glossiness Black, painting, Weight (including oil) : 22.0 kg, Displacement: 41.2 cm ³ , Suction Tube I.D.: ϕ 16 mm, Discharge Tube I.D.: ϕ 9.7 mm, Nominal Capacity : 7060 W / 24004 BTU, Power Input : 2360 W, RLA : 11.2 A, COP: 2.99 W/W, Noise (SPL): \leq 69dB)	1	No.
27	Cut section model of automatic expansion valve:- (0-90 psig adjustment range, Bypass bleeds available, Construction: Brass, copper and stainless steel, Optional external equalizer, U.L. recognized for maximum operating, pressure of 500 psig high side, 225 psig, low side)	1	No.
28	Cut section of Solenoid valve:- Used for Automotive refrigeration system, (2P Series Valve Specifications Port & Mounting: Body Ported, Action & Motion: Direct Acting, Normally Closed, Two Position, 2 to 3 Way, Operating Pressure: 28" Hg to 115 PSI (Coil Wattage Dependent), Working Medium: air, inert gas & liquid , Maximum Pressure : 150 PSI, Operating Temperature: (-5 to 80 Deg. C) with non-freezing medium,)	1	No.
29	Cut section model of thermostat expansion valve:- Used for Automotive refrigeration system, REFRIGERANT (Sporlan Code): 22 (V) 407C (N) 407A (V) 422D (V), VALVE TYPE: RCVE-1-GA, EXTERNAL	1	No.
30	Cut section of Harmatically sealed compressor:- used for Refrigerant: R-134a, Compressor : Harmatically sealed , emerson climate technologies or equivalent, supply : 230 volts, 50Hz, 1 phase , AC	1	No.
31	Air Conditioning Leak Detector:- Input Voltage :- 9 - 14.5 VDC Current :- 24mA standby/32mA max. @12VDC Alarm Relay: Contact Rating 1.0A@24VDC Tamper Switch: Contact Rating 0.1A@24VDC Microphone Type Omnidirectional Electret Size (diameter x height) :- 4.6" x 1.4" / 117 mm x 36 mm	1	No.
32	Digital Multimeter:- Count: 4000 AVG responding . Voltage: DC: 1000 volts; AC: 1000 volts; DC Accuracy: \pm 0.5% + 3 digit; AC Accuracy: \pm 1% + 3 digit Current: DC: 10 amps; AC: 10 amps; DC Accuracy: \pm 1.5% + 3 digit; AC Accuracy: \pm 1.5% + 3 digit Resistance: 40 M ohm; Resistance Accuracy: \pm 1.5% + 3 digit Capacitance: 1000 F; Capacitance Accuracy: \pm 5% + 5 digit CAT III 600 volts safety rating	1	No.

Last date for submission of above quotations to this office is 22.11.2016 till 5.00 PM

Instructions to bidders and Terms & Conditions

- 1 The quotations must be submitted in sealed envelope, in prescribed format with details of enquiry number, laboratory name last date for submission etc. super scribed on envelope.
- 2 The quotations must be supported by necessary technical literature, and other documents.
- 3 The bidder must not be a defaulter to any Government authorities and must not have been black listed/debarred from supplying goods.
- 4 The bid must be for inclusive price of the goods, must include all taxes and levies, transportation charges, freight etc and for warranty of 2 years from the date of installation.
- 5 Rates quoted should be valid for 90 days from the last date of submission of offer.
- 6 The bid offer must comply with all technical specifications and requirements of the user department. Me lowest price will not be the criteria for award.
- 7 The bidder must mandatorily quote PAN number and VAT TIN, while submitting th quotation.
- 8 The consignee will make payment for the goods received by way of RTGS/NEFT/ECS, as the case may be. the supplier will have to provide bank details to the consignee.
- 9 Payments will be done only after delivery, successful installation and working trial at the consignee's place. Advance payments will not be done.
- 10 This office reserves the right to reject any or all bid offers, without assigning any reason (/s), thereof.
- 11 List of documents to be attached - i) covering letter with details of bidders, address, telephone number, mobile number, email ID, name, signature and seal, ii) type of business entity-manufacturer / authorised dealer, any others (to be specified), iii) PAN card xerox, iv) sales tax / VAT TIN number v) offer letter stating make and model quoted, vi) authorization from manufacturer regarding support during bidding process and warranty period, in case the bidder is not a manufacturer, vii) technical literature of item quoted, viii) price quote along with taxation, inclusions and exclusions, if any, ix) undertaking that the bidder has not been black listed or debarred from supplying previously. x) undertaking about compaliance of terms and conditions mentioned in this quotation.


(Dr. A.S. Pant)

Principal

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