

GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2016-17/ 2689

Date: 30 AUG 2016

To,
HOD- Computer Engineering for display on College Website

Subject : Quotation for supply of equipments (For Automobile Engineering)

Please send your quotation for the following items on the terms and conditions listed below, mentioning our reference letter number, date and due date of quotation on your sealed envelop, on or before **09.09.2016** at 5.00 P.M.

Sr.No.	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)	17	No.
4	Alternator SA23-24V-45A	1	No.
5	Vehicle Starter motor : Input voltage 12V 1.4kW	1	No.
6	CDI Coil tester, as per standard	1	No.
7	Hydraulic jack 3 ton	1	No.
8	Hydraulic jack 5 ton	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	Car Washer : Type Reciprocating, No of Plungers -3 Nos, Working Pressure-32Kg/cm2, Out Put -22 LPM, Speed- 400 RPM, Motor HP - 3HP, Hose Lenth - 8 Meters, No of Gun - 1, Net/Gross Weight - 95Kg/105Kg	1	No.
11	New brand Two Wheeler Single Cylinder four stroke engine, 110 CC	1	No.
12	Carburator solex mikuni , as per standard	1	No.
13	Carburator SU Zenith, as per standard	1	No.
14	Carburator SU Cartar, as per standard	1	No.
15	Fluid Flywheel- Model made up of original used parts. Suitably sectioned and arranged to demonstrate the internal construction details showing system. Model should be suitably painted and the entire model mounted on a sturdy M.S. Frame with powder coated.	1	No.
16	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.

17	Cut section of Harmatically sealed compressor, Water Cooler:-BLUE STAR/VOLTAS, Water storage:-20 Liters, Refrigerant:-R-134a, Inner tank:-stainless steel, outer body:CRCA powder coat/ss, Compressor :Harmatically sealed ,emerson climate technologies or equivalent, condenser : forced convection air cooled, condenser fan motor: 1/20 HP*1400 RPM, induction type,Drier / filter: provided, Expansion device: capillary tube, Pressure induction : pressure gauges, 2 nos. provided, Temperature indication : digital temperture indicator for refrigerant temperatures & water temperature, energy meter: for compressor :provided, temperatur control of the water cooler: thermostat provided,supply : 230 volts, 50Hz, 1 phase .AC	1	No.
18	HP/LP Cutout in cut section	1	No.
19	Model of compressor relay	1	No.
20	Cut section model of thermostat expansion valve. REFRIGERANT(Sporlan Code):22 (V)407C (N)407A (V)422D (V), VALVE TYPE:RCVE-1-GA,EXTERNAL EQUALIZERW:1/4 SAE 1/4 ODF, NOMINAL CAPACITY Tons of Refrigeration:1, THERMOSTATIC ELEMENT SIZE NO.43 ,THERMOSTATIC CHARGES AVAILABLE 43,STANDARD TUBING LENGTH :30 in.760 mm, CONNECTIONS - Inches Q SAE Flare/ R ODF Solder:Inlet 3/8 SAE&3/8 ODF AND Outlet 1/2 SAE & 1/2 ODF NETWEIGHT: 1-1/4 lbs. 568 g,SHIPPINGWEIGHT:1-1/2 lbs. 680 g	1	No.
21	Cut section of Solenoid valve: 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, Coil Insulation & Protection Class:F Class, IP65 (CE Certification),Coil Duty Cycle: 100% ED, Electrical Connection:D = DIN (with LED indicator, conduit terminal)G = Grommet (12" Lead Wire),Body Material: PA66 (Nylon, Engineered Plastic),Seal Material :NBR (Buna N) ,Armature Tube: Brass ,Plunger & Spring :Stainless steel	1	No.
22	Model of capillary tube:- Refrigeration & Air Conditioning Grade Capillary Tubes As per ASTM B/360 Hard Drawn/ Bright Annealed With Mirror Finish Inside & Outside, Compatible with R-134a/R-410a/R-407a, Hydrocarbons. Details : Size : 4 mm OD to 1.00 mm OD Hydrocarbons. Wall Thickness : 2.50 mm to 0.40 mm Straight Lenght : Up to 3 Meter Hard or Soft Coils : Multilayers Upto 20 KG.	1	No.
23	Cut section model of automatic expansion valve , 0-90 psig adjustment range, Bypass bleeds available, Construction: ass, 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.
24	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 k g, Displacement :41.2 cm3, 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.
25	Model of air cooled forced convection coiled condenser	1	No.
26	Model of evaporative condenser Model:-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.

27	Clutch coil spring type, as per standard	1	No.
28	Double disc Clutch, as per standard	1	No.
29	Automobile Stethoscope, as per standard	1	No.
30	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 assessorries of vehicle in working condition)	1	No.
31	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.
32	Chain pully block capacity : 3 ton with stand for automotive service station	1	No.
33	Dial test indicator- (Range (mm) : 10 mm Resolution (mm) : 0.01 mm Accuracy : 15 µm) (with magnetic stand) with V block for engine crank shaft	1	No.
34	Digital Multimeter, Count: 4000, AVG responding Voltage: DC: 1000 volts; AC: 1000 volts; DC Accuracy: ± 0.5% + 3 digit; AC Accuracy: ± 1% + 3 digit Current: DC: 10 amps; AC: 10 amps; DC Accuracy: ± 1.5% + 3 digit; AC Accuracy: ± 1.5% + 3 digit Resistance: 40 M ohm; Resistance Accuracy: ± 1.5% + 3 digit Capacitance: 1000 F; Capacitance Accuracy: ± 5% + 5 digit CAT III 600 volts safety rating	1	No.
35	Tools trolley (5 drawers) tapariya make, size H-780mm, W-520mm, L-749mm, Weight-40.7kg	3	No.
36	Bore gauge (digital) Bore Gauge, 0.7"-6" Range, 0.0001" Graduation, +/-0.0008" Accuracy	1	No.
37	Compression gauge with varous 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.

Terms & Conditons

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
 - 2 Delivery period –
 - 3 Payment Terms –
 - 4 Quotation Validity –
 - 5 Warranty -
 - 6 Guaranty-
- } Mention clearly
- 7 Delivery Charges – Free / if extra mention clearly.
 - 8 The part supply and its bill will strictly not be entertained.
 - 9 If you fail to supply the stores within the specified period, the order will be treated at cancelled without any information.
 - 10 The material will be accepted subject at approval(after inspection of the material),If rejected it will be returned to you at your cost.
 - 11 The material to be supplied should be strictly according to the specification only.
 - 12 Octroi is not applicable since Institute is located in Gram Panchayat area.
 - 13 Please attach copy of your shop registration certificate alongwith your quotation, without which your quotation will not be accepted.

(Dr. A.S. Pant)

Principal

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