

Tender Notice

Competitive quotations are invited from reputed suppliers / manufacturers for the supply of Computer Peripherals / Software's and Lab Equipment's for various departments as below. Interested Suppliers should submit their sealed quotations at the Institute Office on or before 05/06/2017.

Mechanical Engineering Department		
Sr. No.	Particulars	Specification
1	Junker Gas Calorimeter	1000 to 26000 K.Cal./Cu. Meter), with measuring Jar of 2 Lit. Cap. and 50 ml. cap. with rubber tubing for gas water connection.
2	Dropwise And Filmwise Condensation	<ul style="list-style-type: none"> • Steam Generator: 8 Ltrs. (Approx.) made of Stainless steel with 1.5 kW heater. Insulated with ceramic wool and clad by aluminum foil • Copper tubes (2 Nos.): One with natural finish and other nickel polish • Diameter: 19 mm (Approx.) , Length: 170 mm (Approx.) • Water Flow measurement: Rota meter • Condensate Measurement: Measuring Cylinder & Stopwatch • Control valves: one each for Steam, Cooling water & Drain • Digital Temp. Controller: 0-199.90C (For Steam Generator) • Digital Temp. Indicator: 0-199.90C, with multi-channel switch • Temperature Sensors: RTD PT-100 type • Instruction Manual: An ENGLISH instruction manual will be provided along with the Apparatus
3	Exhaust Gas Analyser For Petrol Engines	<p>Range HC: - 0-20000 PPM (Propane), CO:- 0-15%, CO₂:- 0-20%, O₂:-0-25%,NO_x: - 0-5000ppm</p> <p>Accessories Required:- Sampling probe, PU tube 7 meter long, Universal exhaust pipe set, Mains cord, Printer roll, - Operation manual, Instrumental cover ,PC end software CD, Power clamp for 12 VCD supply</p>
4	Exhaust Gas Analyser For Diesel Engines	<p>Range CO - 0% to 15%, CO₂ - 0% to 20%, NO_x - 0 to 5000ppm, O₂ - 0% to 25% , HC n-hexane 0 to 2000ppm , HC n-propane 0 to 30000ppm , Diesel with RS232, printer with latest modification of oil temperature & RPM measurement as per ripple sensor (battery operated)</p> <p>And all other accessories listed above</p>
5	Regeneration Circuit	Hydraulic pump (4.8 LPM at 1500 operating pressure 230 Bar displacement cm/rev 3.2 cc/rev), Double acting cylinder, pressure relief valve, 4/3 DCV.
6	Slip Gauges Set	<u>Slip Gauge Set M88 Pieces</u>

7	Floating Carriage Micrometer	Capacity Diameter - 4"/100 mm ,Length between Centers 8.25"/215 mm, Least Count - 0.0002 mm/0.00001", Approx. Weight 22.5 Kg
8	Gear Tooth Vernier Caliper	150mm, L.C = 0.01mm
9	Profile Projector	<p>Screen - Glass screen Ø 300mm with cross lines, Magnification - 10x Work stage :</p> <ul style="list-style-type: none"> • Size of Top Plate – 140 mm X 135 mm • Measuring Traverse - X: 25 mm, Y: 25mm • Working Area - Ø 60 mm • Load Capacity - 5 Kgs • Max Dia - 60mm • Micrometer – 0 to 25 mm LC – 0.01 mm for X & Y axes. • Filter – Green <p>Measuring Systems : Linear 0-25 mm with L. C. 0.01 mm Angular 360° Graduated rotary screen Illumination Systems Tungsten Halogen lamps Profile 12V 50W Surface Illumination 12V 50W- 2 Nos. Power Supply : 220V, 50Hz, 10A Weight : 65 kg (Unpacked) Dim (LxWxH) : 630 x 430 x 945 mm</p>
10	All Geared Lathe Machine (05 Nos.)	<ol style="list-style-type: none"> 1) Length of Bed - 6.0', Height of Center - 175 mm, 2) Width of Bed - 242 mm. 3) Spindle Hollow - 40 mm. 4) Admit Between the Center - 1000 mm. <p>Accessories</p> <ol style="list-style-type: none"> 1) Electric Motor (ISO) - 2 HP, 1440 Rpm, 3Phase, 1.5 Kw. V - Belt & Fittings. 2) R/F Switch (Dual Starter). 3) Chuck (Fix to M/C) 160 mm, 3 Jaw With face plate. 4) Coolant pumps with Motor & 50 Ltr. Metal Tank. 5) Safety Guard , Lamp set fitted to M/c 6) Machine weight - 900 kg. 7) Machine Manual
11	3d Printing Machine (Prototype Machine)	<ul style="list-style-type: none"> • Maximum Printable Area: 200mm*250mm*200mm • Filament Diameter: 1.75mm, Extruder Diameter: 0.4mm • Extruder Temperature: upto 280 °C • Number Of Extruders: 2 • Model Of Extruders: Accucraft Direct drive all metal dual Extruders • Recommended Materials: PLA,ABS,HIPS,PET-G, CARBON FIBRE, Flexible • Filaments, Woodfill, Metafile, Polycarbonate etc. • Material Support: Non Hygroscopic HIPS • Print Accuracy: 80 - 150 microns • Maximum Print Speed: 200mm/sec • Maximum Travel Speed: 300mm/sec • Print time: 3 mins. For 1 cubic cm part with 50% infill
12	Robcad Software	05 user License copy

Civil Engineering Department		
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1	Microsoft Project Professional 2016	05 User License Copy
2	Auto Desk Rivet 2018	15 User License Copy
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1	IBM SPSS Statistics Base 24.0 IBM SPSS Statistics Premium Authorized User License + Software Subscription and Support for 1 Year	06 User License Copy
2	ICMR Case Study Subscription Annual Licensing Arrangement for Free access of ICMR Case Studies	100 Users License
Electronics and Telecommunication Engineering Department		
Sr. No.	Particulars	Specification
1	LABVIEW 2017 Software with Support Cards as My Rio, DAQ, NI-ELVIS, Compact DAQ.	5 User License
Computer Science and Engineering Department		
Sr. No.	Particulars	Specification
1	IT Infrastructure	As per Annexure I
2	Oracle 12c Software	15 User License
3	Visual Studio 2016 Software	15 User License
4	Win Runner 8.0 / QTP Software	01 User License
5	Plagiarism Software	15 User License

6	GlowCode 10.0 Software (Analysis Software)	5 User License
7	ExtendSim Software (Simulation Software)	5 User License

Note: All Software Licenses Should be for Academic Use