

Department of Mechanical Engineering

I.K. Gujral Punjab Technical University (Main Campus), Kapurthala



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Estd. Under Punjab Technical University Act, 1996
(Punjab Act No 1 of 1997)

Evaluation of technical bid documents submitted in response to deficiency observations uploaded on the website (Tender Ref No: IKGPTU/MC/2018-19/001) has been completed by the committee. The following points were discussed and decided:

1. The copy of the updated technical evaluation report to be uploaded on website and in view to make the tender more competitive, one more chance to submit the deficient documents is recommended. However, there is no provision of submitting deficiency documents through eproc.punjab.gov.in portal second time. Hence, bidder should submit the response/deficiency supporting documents through email by 30/01/19 till 5.00 PM to the Chairman, Purchase Committee (neelkanthgrover@gmail.com).
2. No correspondence will be entertained thereafter.

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S. NO.	Criteria	M/s Asha Scientific Work, Ambala Cantt.	M/s Creative Lab, Haryana	M/s Dinesh Scientific, Haryana	M/s Ideas Design Solutions Pvt. Ltd. Chandigarh	M/s K.C. Engineers Limited, Ambala	M/s Mars Edpal Intruments Pvt. Ltd., Ambala	M/S Neelam Engineering Company, Agra	M/s Radical Scientific Equipments Pvt. Ltd., Ambala	M/s Tech Ed Equipment company, Karnataka
1	The bidder must be a Company/LLP registered with Statutory Authorities for the last five years	Proof of Company/LLP registered with Statutory Authorities not submitted	Proof of Company/LLP registered with Statutory Authorities not submitted	Proof of Company/LLP registered with Statutory Authorities not submitted	Yes	Yes	Yes	Proof of Company/LLP registered with Statutory Authorities not submitted	Yes	Proof of Company/LLP registered with Statutory Authorities not attached
2	Only Original Equipment Manufacturer (OEM)/ agency of OEM/authorized dealer having minimum 5 years of experience in execution of Laboratory Equipment/ Instrument supplies should apply against this invitation for bid. In the case of the bidder, offering to supply Equipment/Instrument under the bid, which the bidder does not manufacture or otherwise produce, the bidder has to provide Manufacturer's Authorization Certificate as per format at Annexure XII. Bids submitted without valid authorization certificate will be summarily rejected. Authorization certificate from OEM is essential for all the items of supply under scope of work.	Yes	Not attached	Yes	Yes	Yes (Annexure XII required for CAD/CAM lab equipment not as per format)	Yes	Yes	Yes	Annexure XII Not submitted for Fluid Machinery Lab, Heat Transfer Lab, Mechanical Vibration Lab and Refrigeration and Air Conditioning Lab equipment

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<p>3 An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for spares & maintenance facilities during warranty & AMC. The bid shall not be considered responsive in absence of the certificate from the OEM.</p>	Yes	Not attached	N/A.	Yes	Annexure XII required for CAD/CAM lab equipment not as per format	N/A.	Undertaking by OEM, Metzger Optical Instruments Pvt. Ltd. Is not as per annexure -XII	N/A.	Annexure XII Not submitted for Fluid Machinery Lab, Heat Transfer Lab, Mechanical Vibration Lab and Refrigeration and Air Conditioning Lab equipment
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<p>4 The average annual turnover of the bidder from the Laboratory equipment supply quoting for the bid should be Rs. 80,00,000 (Rs. Eighty Lakh only) during the last three financial years (2015-2016, 2016-2017 & 2017-2018). In this regard, the bidder should submit copies of audited Balance sheets including profit and loss accounts for the last three financial years as above. The agency should have profit for all 3 years. A registered CA's certificate indicating Laboratory equipment supply turnover amount for the relevant period also is accompanied.</p>	<p>Yes, Declaration of actual turnover from lab equipment needs to be submitted</p>	<p>Yes, Declaration of actual turnover from lab equipment needs to be submitted</p>	<p>Yes, Declaration of actual turnover from lab equipment needs to be submitted</p>	<p>Yes</p>	<p>Declaration of actual turnover from lab equipment needs to be submitted</p>	<p>Declaration of actual turnover from lab equipment needs to be submitted</p>	<p>Yes, Declaration of actual turnover from lab equipment needs to be submitted</p>	<p>Yes</p>	<p>Yes, Declaration of actual turnover from lab equipment needs to be submitted</p>
<p>5 The Bidder must have successfully executed at least one order of supply of Laboratory equipment to Govt./PSU's/Autonomous bodies/ Govt. Institutions such as IIT's/NIT's/IIT's/Central Universities/ State Universities during last three Financial years for which necessary supporting documents have to be enclosed.</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>

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6	The Bidder should indicate at least Four numbers of technically Qualified professionals having experience for not less than three years for installation & Maintenance support.	Copy of professional degree certificate not attached	Yes	Proof of three year experience not attached	Yes	Yes	Copy of professional degree certificate not attached	Copy of professional certificate and proof of three year experience not attached	Copy of professional degree certificate not attached	Copy of professional degree certificate and proof of three year experience not attached
7	Compliance of Annexure No.1 (TECHNICAL SPECIFICATION/COMPLIANCE SHEET)	Not filled	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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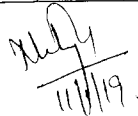

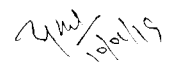
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8	Compliance of Annexure No.2 (DECLARATION SHEET)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9	Compliance of Annexure No.3 (LETTER OF UNDERTAKING)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10	Compliance of Annexure No.4 (UNDERTAKING)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11	Compliance of Annexure No.5 (Annual Turn over)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	Compliance of Annexure No.6 (Details of Projects Completed During Last 05 Financial Years)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13	Compliance of Annexure No.7 (List of Order executed for Govt. Organization/ Department/ University During Last Three Financial Years)	Copy of professional degree certificate not attached	Yes	Proof of three year experience not attached	Yes	Yes	Copy of professional degree certificate not attached	Copy of professional degree certificate and proof of three year experience not attached	Copy of professional degree certificate not attached	Copy of professional degree certificate and proof of three year experience not attached

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	Compliance of Annexure No.9 (LETTER OF BID SUBMISSION)	Blank	Details not provided in paragraph 5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	a) Cost of Tender document Rs.1180/-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14	b) EMD: As per tender EMD is to be paid. However, as per portal exemption column exists.	Yes	Ok	Yes	Yes	Partial exemption, not for all quoted equipments. EMD of remaining labs to be submitted (details in Sr No. 16)	Yes	Yes	Yes	Partial exemption, not for Mechanical Vibration Lab, Refrigeration and Air Conditioning Lab and Mechanical Measurement and Metrology Lab. EMD of remaining labs to be submitted
15	Compliance of Annexure No.12 (MANUFACTURER AUTHORIZATION FORM)	Yes	Not attached	Yes	Yes	Annexure XII required for CAD/CAM lab equipment not as per format	N/A.	Undertaking by OEM, Metzger Optical Instruments Pvt. Ltd. Is not as per annexure -XII	N/A.	Required for equipment except for Mechanical Measurement and Metrology Lab
16	As per annexure I									
	Automobile Engg. Lab.									
1	Cut-Section Model of a Sliding Mesh Gear Box	Not Quoted (N.Q.)	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.

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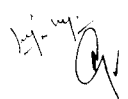

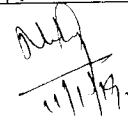

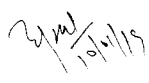
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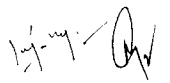
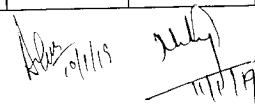
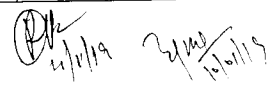
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2	Cut-Section Model of Synchronesh Gear Box	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
3	Cut-Section Model of Differential assembly (LMV)	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
4	Model of cooling system of an automobile (With Actual Parts)	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
5	Cut section of Hydraulic Brake System	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
6	Working Model of Conventional Ignition System	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
7	Cut Section Model Car Steering System	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
8	Spark Plug Cleaner & Tester	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.
CAD-CAM Lab.										
1	CNC Iathe Trainer	N.Q.	Quoted	N.Q.	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	N.Q.
2	CNC Mill Trainer	N.Q.	Quoted	N.Q.	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	N.Q.
3	SolidWorks Education Edition 2018-19	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.
Fluid Machinery Lab.										
1	Hydraulic Ram Test Bench	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted






2	Francis Turbine Test Bench	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
3	Kaplan Turbine Test Rig	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
4	Reciprocating Pump Test Bench - Variable Speeds	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
5	Pelton Wheel Turbine Test Bench with Data Logging Facility	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
6	Centrifugal Pump Test Bench with Variable Speeds	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
7	Centrifugal Blower Test Bench (Fixed speed with AC Motor)	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
Heat Transfer Lab.										
1	Heat Transfer set up to plot the temperature profile and to determine fin effectiveness and fin efficiency for i) A rod fin when its tip surface is superimposed by different boundary condition like. a) Insulated tip b) Cooled tip c) Temperature controlled tip	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	
	ii) Heat transfer through straight transfer fins									
	iii) Circumferential fins of rectangular/triangular section									N.Q.

2	Heat Transfer set-up to study the radiation heat transfer in black plate and test plate.	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	
	• Determination of the Emissivity of a test plate.									
	• To compare the heat input of test plate with black plate.									
	• To study the variation of emissivity of test plate with absolute temperature.									Quoted
3	Heat transfer setup to determine overall heat transfer co-efficient for Film wise & Drop wise condensation of steam on a vertical surface.	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
4	Heat transfer setup to i) To demonstrate pool boiling phenomenon, ii) To determine the critical heat flux of given wire, iii) To study the pool boiling phenomenon up to critical heat flux point.	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
5	Heat transfer setup i) To determine average heat transfer coefficient for free/forced convection from the surface of a cylinder / plate when kept: a) along the direction of flow b) perpendicular to the direction of flow c) inclined at an angle to the direction of flow	N.Q.	Quoted	Quoted	N.Q.	Quoted	Quoted	Quoted	N.Q.	Quoted
6	Heat transfer setup to determine thermal conductivity of a solid insulating material by slab method and Study of variation of thermal conductivity of the material with temperature.	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	Quoted	Quoted	N.Q.	Quoted

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7	Heat transfer setup to determine thermal conductivity of a solid insulating material by of powder materials by concentric spheres method and Study of variation of thermal conductivity of the material with temperature.	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	Quoted	Quoted	N.Q.	Quoted
8	Heat transfer setup to determine thermal conductivity of Liquids and to study the effect of temperature on thermal conductivity of liquid.	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	Quoted	Quoted	N.Q.	N.Q.
Industrial Automation and Robotics Lab.										
1	Electro Hydraulic Trainer Set	N.Q.	N.Q.	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	Quoted	Quoted	N.Q.	N.Q.
2	Electro Pneumatic Trainer Set	N.Q.	N.Q.	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	Quoted	Quoted	N.Q.	N.Q.
3	Robotic Arm	N.Q.	N.Q.	N.Q.	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	N.Q.	N.Q.	N.Q.
4	Power Steering	N.Q.	N.Q.	Quoted	N.Q.	(Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	N.Q.
Mechanical Measurement and Metrology Lab.										
1.	Sine bar (Preferably Mitutoyo make or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted

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2.	Slip Gauge Set: 83 pcs (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
3.	Bevel Protector: (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
4.	Vernier Calliper (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
5.	Digital Vernier Calliper (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
6.	Micrometer (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
7.	Digital Micrometer (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
8.	Inside Micrometer (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
9.	Depth Gauge (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
10.	Vernier Height Gauge (Preferably Mitutoyo or some other international brand)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
11.	Surface roughness Tester for flat and round surfaces	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted (Clarification regarding specification required)	N.Q.	N.Q.
12.	Profile Projector	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	Quoted	Quoted
13.	Tool maker's microscope	N.Q.	Quoted	Quoted	N.Q.	N.Q.	N.Q.	Quoted	Quoted	Quoted
14.	Dead Weight Gauge Tester for testing Pressure	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	N.Q.

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15.	Stroboscope	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	N.Q.
16.	Pitot static tube apparatus	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	Quoted
17.	Thermocouple its calibration and application for temperature measurement apparatus	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	N.Q.
18.	Auto Collimator	N.Q.	N.Q.	Quoted	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted
19.	Telescopic Gauge	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Quoted	N.Q.	Quoted
Mechanical Vibration Lab.										
1	Universal vibration apparatus	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	Quoted
Refrigeration and Air Conditioning Lab.										
1	Cutaway model of Actual Reciprocating Refrigerant Compressor	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	Quoted
2	Cutaway model of Actual Rotary Refrigerant Compressor	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	Quoted
3	Refrigeration test rig / vapour compression cycle trainer	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	Quoted
4	Refrigeration Test Bench (Domestic type)	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	Quoted
5	Electrolux refrigerator test rig / vapour absorption cycle trainer	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	Quoted

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6	Ice plant trainer	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	Quoted
7	Window Air Conditioning test bench	N.Q.	Quoted	Quoted	N.Q.	Quoted	N.Q.	Quoted	N.Q.	Quoted
8	Water cooler test rig	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	Quoted
9	Model of cold storage plant	N.Q.	Quoted	Quoted	N.Q.	Quoted (Proof of EMD exemption not submitted)	N.Q.	Quoted	N.Q.	Quoted (Clarification regarding specification required)

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