



Phone. No. (02164) 272414, 8275706613  
 Web: <http://gcekarad.ac.in>  
 Email: [principal@gcekarad.ac.in](mailto:principal@gcekarad.ac.in),  
[principal.gcekarad@dtmaharashtra.gov.in](mailto:principal.gcekarad@dtmaharashtra.gov.in)



**Govt. of Maharashtra**  
**GOVT. COLLEGE OF ENGINEERING, KARAD**  
 (An Autonomous Institute of Govt. of Maharashtra)  
 Vidyanagar, Karad -415124 Dist.- Satara

No. GCEK/Mech/Invitation/2024-25/ 676

Date: 14/02/2025

To,  
 Notice Board/Web Site

**Sub: - Quotation Invitation for Heat Transfer Lab Equipment**

With Reference to the subject maintained above, you are requested to quote your rates for the Supply Equipment's for this Institute. The details are as per list attached. Your quotation should reach this office on or before 14.02.2025 Prices should be quoted F.O.R. Institute (Karad). Rate should be quoted with all taxes stated separately. Your Quotation will be valid up to 90 days from the date of opening. The quotation should be sent in sealed envelope. On the top of envelop should write

**“QUOTATION FOR GOVT. COLLEGE OF ENGG. KARAD DUE ON 14/02/2025”**

SR. NO.	NAME OF ITEM	SYSTEM COMPONENTS & SPECIFICATIONS:		RATE
1	<b>DROP AND FILM WISE CONDENSATION APPARATUS MODEL</b>	Support	Supplied with Rubber Bushes to support bottom panel, in place of MS Stand	
		Glass Column	100mm OD, 300mm long, 5 mm thick -2 nos	
		Steam Generator	An SS boiler with 3kw Heater	
		Specimen:	16 mm dia, Plain Copper tube for film wise condensation	
			16 mm dia, Gold plated Plain Copper tube for film wise condensation	
		Water Tank	SS with Powder coated, Approximately 25-30 liters with FHP pump	
		Temperature Indicator	Digital Temperature Indicator, 0-400°C with Thermocouple selector switch.	
		Thermocouples	Teflon coated Cr -Al (K-type)-8 no.	
		Flow measurement	Measuring Jar with digital stop watch (Rota meters 0-100 cc/sec at extra cost).	
		Measuring Jar	Plastic-250ml	
		Stop Watch	Digital, 1/10 of a second, Racer/Pacer Make	
Experimental Capability	Heat transfer Co-Efficient			
2	<b>THERMAL CONDUCTIVITY OF METAL ROD MODEL</b>	Support	Supplied with Rubber Bushes to support bottom panel, in place of MS Stand	
		Specimen	20mm dia, 450mm long Brass / Copper	
		Cylindrical Shell	150mm dia x 300mm Long M.S.Pipe	
		Water Jacket	100mm dia x 100 mm Long M.S.Pipe	
		Heater	Band type, Nichrome 250 Watts	
		Voltmeter	Digital voltmeter of range 0-300V AC	
		Ammeter	Digital ammeter of range 0-20A AC	
Temperature Indicator	Digital Temperature Indicator, 0-400°C with Thermocouple selector switch.			

	Thermocouples	Teflon coated Cr -Al (K-type)-11 no.
	Regulator	
	Option A:	With Electronic Dimmers for individual Heater control.
	Option B (at Extra Cost):	With Variac (Dimmerstat) 230V, S.ph, 0- 2Amp. Capacity for individual heater control
	Measuring Jar	Plastic-250ml
	Stop Watch	Digital, 1/10 of a second, Racer/Pacer Make
	Experimental Capability	Thermal Conductivity K

The quotation will be opened on 21/02/2025 at 11:00 AM or next working day



Principal,  
Govt. College of Engineering, Karad.

**Terms and Conditions:**

1. Quotation should be submitted in sealed envelope. Should be sent to The Principal, Govt. College of Engineering, Karad. The goods should be supplied F.O.R. Institute
2. Quotation Valid for 90 days from the date of opening.
3. Delivery Period 8 Week from the date of PO
4. 100% Payment after Delivery.
5. The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.