



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

(Act 18 of 2008)

Ground Floor, Vindhya C4 Building,

IIIT-H, Gachibowli,

Hyderabad – 500 032

E-mail: registrar@rgukt.in

Visit us at: www.rgukt.in

Rc. No: RGUKT/Proc/Ch.Engg/ALI/T 10/E-2013,

date: 22.08.2013

Sub: RGUKT-Hyderabad-Invitation of Tender for supply and installation of equipment to the Analytical and Laboratory Instruments of Chemical Engineering Department to the three campuses of RGUKT-Amendments to the specifications -Reg..

Ref: 1) This office Tender Notification No: RGUKT/Proc/Ch.Engg/ALI/T 10/E-2013,
Dated.03.08.2013

2) Pre-bid Conference held on 13.08.2013

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RGUKT invited bids as per the procedures of Open Competitive Bidding on 03.08.2013 for “supply and installation of equipment to the Analytical and Laboratory Instruments of Chemical Engineering Department to its three campuses”. The pre bid meeting was held on 13.08.2013. The terms and conditions of the bid document and specifications were discussed during pre bid meeting. Certain modifications are made in respect of specifications of Analytical and Laboratory Instruments of Chemical Engineering Department as detailed below.

Item No.	Experiment name	Clarification provided
2	Bomb Calorimeter	It is required to supply the Bomb calorimeter with ASTM standards of Isoperibol with automatic oxygen filling system, water level measurement, water temperature measurement and adjustment of ascending & descending of bombs. Energy measurement up to 50 kJ
12	Potentiometric Titrator	Ph range: ± 1200 mV Operating temperature: 0 – 30 °C PH resolution: 0.1 mV The variables to be measured are Acid base PH measurement, Alkalinity and acidity
14	Laboratory mechanical overhead stirrer	2 numbers of each type of stirrer is to be quoted
15	Orbital shaker	Reciprocation motion/horizontal are same as back and forth

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17	Centrifuge	Ambient operating temperature Volume of centrifuge is 20-30 mL and 50-100 mL
24	Vacuum Oven	Volume of oven around 20-30 Liters
26	Laboratory water purification system	Output flow rate of distilled water: 1-2 Liters per minute Provision for producing both type 1 and type 2 water. Specifications for type 2 water: water production: 10-12 L/m Resistivity: 10-15 MΩcm Conductivity: 0.06 -0.1 μS/cm The word “ UV filter “ in third point is removed
27	Pensky martyns closed cup flash point apparatus	The name of the experiment is changed as “Closed cup flash point apparatus”
29	Gas chromatography	The section mentioned as “dual packed column unit” is removed as it is typed twice. Minimum detection limit for FID: 2-3 pgc/s
30	HPLC	The word “kit peltier cooling” in third point is removed. The points 11 and 12 are moved as these points mentioned twice. The word “button” in last point under the section solvent delivery unit is removed.
31	UV Vis Spectrophotometer	The range of bandwidth: 1-2 nm
48	Analytical weighing balances	<ol style="list-style-type: none"> 1. Supply the analytical weighing balance with capacity 30-200 g with readability 0.01 mg, repeatability ±0.02 mg, with pan size 90 mm diameter 2. Supply the analytical weighing balance with capacity 120 g with readability 0.1 mg, repeatability ±0.1 mg, with pan size 90 mm diameter 3. Supply the analytical weighing balance with capacity 3000 g with readability 0.1 g, repeatability ±0.1 g, with pan size 150 mm diameter <p>Note: All the balances should have RS 232 connection for data storage</p>

Sd/-
Registrar