

Annexure-V(A) Compliance report

Note: The bidder is required to mention detailed specifications clearly in column named as Specifications from Bidder against each item as mentioned in below format. Please note that merely mentioning Yes/No in deviation column will lead to disqualification of the bidder.

(I) Name of Instrument : Heat Conduction, Convection and radiation apparatus

Sr. No.	Specification of e-Tender	Specification of Bidder/Vendor	Deviation (Yes/No)	Remarks
1.	<p>Heat Conduction, Convection and radiation apparatus</p> <ul style="list-style-type: none"> • Experiment capability of both free (natural) convection and forced convection. • It includes a variable velocity wind tunnel with a digital velocity meter and a central aperture. • Three heat transfer surfaces: a flat plate surface, pinned extended surface and finned extended surface. Each heat transfer surface is fitted with its own heater and thermocouples, to enable easy interchange • The air flow is adjustable up to 10 m/s and measured by an air-velocity sensor • Suitable software to record of all measured variables for analysis and comparison of the performances. • To investigate the laws of radiant heat transfer and radiant heat exchange the equipment is equipped with a heat source consists of a flat circular plate with radiometer and a light source consists of a light bulb with light meter and a glass diffuser • Two appropriate detectors, light filters, target plates of different Emissivity and aperture plates each mounted on suitable carriages on a parallel graduated track • The source may be rotated through 180°c and the angle measured using an integral scale. The power supplied to the lamp can be varied • Filter plates of varying opacity and thickness are supplied 			

Annexure-V(B)
Compliance report

Note: The bidder is required to mention detailed specifications clearly in column named as Specifications from Bidder against each item as mentioned in below format. Please note that merely mentioning Yes/No in deviation column will lead to disqualification of the bidder.

(I) Name of Instrument : Parallel and Counter Flow Heat Exchanger Apparatus

Sr. No.	Specification of e-Tender	Specification of Bidder/Vendor	Deviation (Yes/No)	Remarks
1.	<p>Parallel and Counter Flow Heat Exchanger Apparatus</p> <ul style="list-style-type: none"> ● Computer controlled base unit with temperature and flow measurement inputs and electronic display. ● Attachments for shell and tube, Jacketed Vessel with Stirrer & Coil, and plate heat exchangers ● Ability to operate all the heat exchangers in both co-flow and counter-flow configurations ● Flow measurement at inlet and outlet of both hot and cold streams ● Temperature measurement at inlet, outlet, and three intermediate locations of both hot and cold streams ● Heat exchange area upto 0.1 m² ● Flow rates for both fluid streams in excess of 4 l/min ● Operating temperature range, 0-75°C, resolution 0.1°C ● computer interface ● Ability to mount and test user designed heat exchange equipment 			

Annexure-V(C)

Compliance report

Note: The bidder is required to mention detailed specifications clearly in column named as Specifications from Bidder against each item as mentioned in below format. Please note that merely mentioning Yes/No in deviation column will lead to disqualification of the bidder.

(I) Name of Instrument : Parallel and Counter Flow Heat Exchanger Apparatus

Sr. No.	Specification of e-Tender	Specification of Bidder/Vendor	Deviation (Yes/No)	Remarks
1.	Diffusion in Liquids apparatus <ul style="list-style-type: none">● Diffuser vessel: 1.0 liter.● magnetic stirrer● Conductivity meter- three ranges upto 20mS● data logging software compatible to Windows 8● Stop clock● Cartridge deioniser			