

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.	Heat Conduction, Convection and radiation apparatus <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.	Parallel and Counter Flow Heat Exchanger Apparatus <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			