



CORRIGENDUM

With reference to this office tender ref.no. NITJ/PUR/CY/74/20/e-tender no. 58/2021 for DSC (Dynamic Scanning calorimeter). In this regard, the specifications may be read as under:-

NITJ/PUR/CY/74/20/e-tender no. 58/2021

Date: 27/9/2021

ANNEXURE-I

REVISED Technical Specifications for Dynamic Scanning Calorimetry (DSC)

Technical Specifications:

Mode of operation:	Heat Flux
Instrument should be software based with Advanced Software for Glass Transition, Purity Analysis, Isothermal Kinetics, Specific Heat Capacity, Scanning Kinetics etc.	
Cooling accessories temperature measurements	Intracooler or Suitable accessory to do low
Dual, digital mass flow-controlled must be Included	
Cooling accessory	upgrades User exchangeable
Calorimetric Performance:	
Dynamic range	~±175 mW or better
Temperature range:	-70 up to 600 °C or better
Controlled heating rates	0.01 to 300 °C/min or better
Controlled cooling rates	0.01 to 150 °C/min
Temperature accuracy	± 0.1°C (across the full range)
Temperature precision	+/- 0.05°C or better
Resolution	0.25 µW or better
Baseline curvature (-50 to 300°C)	0.5 mW or better
Baseline Reproducibility	0.20 mW or better
Sensitivity	0.25 µW or better
Atmospheres	inert and air
Crucibles	Aluminium Pan (Qty-400) and Platinum Pan (Qty - 5)
DSC enthalpy accuracy	+/- 5 % (across the full range) or better
Crucible volume	10 µL or more

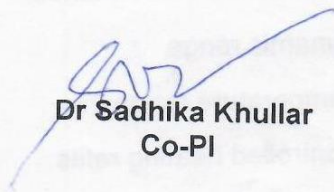
Cp measurement up to 600 °C, or better, with +/-2 % accuracy, to be supplied with Cp calibration standard and software.

Reference Materials for DSC calibrations should be included, Crimper and die for sample preparation must be included

Desktop with latest system and printer should be provided with the system.

5 KVA online UPS with 1 hr backup with maintenance free Exide batteries. Installation and commissioning of UPS including earthing and output distribution with warranty. UPS should contain all provisions to meet up the requirement of entire set up. Please mention in details the control and display systems available in the platform. All the essential analytical tools and software should be part of the system All the essential systems and items like cooling system should be explicitly stated. All possibility of expansion including advanced software and necessary adopters for future expansion should be given as optional item.


Professor (Dr) B S Kaith
PI


Dr Sadhika Khullar
Co-PI


AA (P)

The new last date of submission of online bids is 12-10-2021 upto 03.00 PM and bids will be opened on 13-10-201 at 3.00 PM All others Terms & Conditions of the tender will remain same. Bidders are requested to apply accordingly.

Registrar