

CORRIGENDUM-1

Technical Specifications	Bid should be submitted as per below mentioned Revised Technical Specifications
Last date of submission of E-Tender	13.02.2019 (Wednesday) on or before 03.30 p.m
Opening of Techno-Commercial Bid	13.02.2019 (Wednesday) at 04.00 p.m

Revised Technical Specification of DSC

TENDER NO. RGIPT/Jais/E-Tender-CRF-SS&TS/2018-19/03

A. Revised specifications for DSC instrument

S.No.	General Specifications	Description
1.	Temperature range	Ambient to 700 °C or better
2.	Temperature accuracy	+/- 2 °C
3.	Temperature scanning rate	0.01 to 150 °C/min or better
4.	Furnace	Furnace made of silver, platinum alloy, or material suitable for rapid heating/cooling and should be resistant to corrosion and chemical exposure.
5.	Furnace cooling	< 40 min (with suitable cooling accessories)
6.	Auto Sampler	<ul style="list-style-type: none"> • DSC should include an auto sampler which can be configured to accommodate up to 40 or more samples. • The auto sampler must be capable of loading and unloading both sample and reference pans.
7.	Crucibles	Additional 300 nos. of crucible/alumina pans and lid along with sealing press should be provide with the instruments.
8.	Sample holders/pan	Alumina, aluminium, copper, incoloy, platinum etc.
9.	Precision	± 0.5% or better
10.	DSC Sensitivity	0.5 µW or better
11.	Gases	Included, gas switch from gas A to B
12.	Dimensions (H/L/W)	Standard
13.	Weight	Standard
14.	Standards/calibration	The system should have facility to calibrate with certified pure metal standard for the full temperature range.
15.	Must be able to view the following signals in real-time during the experiment.	

16.	Total Heat Flow, total heat capacity, reversing heat capacity, reversing heat flow modes.	
17.	Modulated, step-scan or sinusoidal modes.	
18.	Software	<p>State of the art software with easy-to-use and intuitive operation for data acquisition and processing, including:</p> <ul style="list-style-type: none"> ➤ Data Acquisition and storage. ➤ Operating software and analysis software shall be user friendly and shall be running on windows 7 version ➤ The data analysis software should be unkeyed, to allow for unlimited installations within one site. ➤ The data analysis program should also include a .pdf generator, for the efficient export of analyzed plots <p>Analysis software should have a provision to analyse the Onset point, Signal Min, Signal Max, Signal change, Polynomial fitting, Area under the curve, Running integral, Peak Integration (general y vs x), Endset point, Peak height, Glass transition, Peak integration (enthalpy), Oxidation temperature, Oxidation time, Purity analysis (ASTM E928),DSC conversion calculation etc.</p>
19.	Computer Peripherals & UPS	Computer: Processor speed > 2.5 GHz, 160 GB HDD, 1GB RAM, CD- ROM, FDD, 18” color monitor, laser printer, online UPS with required capacity to run the integrated system.
20.	Gas Flow control	Two inlets for gas scanning (inert or reactive). Programmable with automatic switching of gases for sample studies
21.	Crimping Press & Die Sets shall be provided along with the instrument	

B. On-site Installation and training free.

C. Five Years onsite warranty with spares and AMC of the equipment should be mandatory for 3 years is required on all the items. Warranty period will start from the date of installation.

The other terms & conditions of the E-Tender remains unchanged.

This issues with the approval of the Competent Authority.

Sd/-
Stores & Purchase Officer