Dated: 08/11/2019

Addendum 01

The Pre – Bid Meeting was held on 30/09/2019 at 3.00 p.m. in the CCMT meeting room, NITK Surathkal for the purchase of **"Thermal Gravimetric Analysis (TGA) with FTIR", (Tender Notification No**: **NITK/ME/3681/2018/04**, **Dated:** 30/09/2019)**.** The prospective bidders may kindly note the following corrections in the tender document:

Queries & Reply/Clarification

Sl No.	Tender Specifications		Changes Requested by the vendor	NITK's response to the request.
1.	Balance Capacity	Upto 1500 mg	**1000mg**	As per the tender document
2.	Temperature Range	Room temperature to **1000 °**C	**1150 or higher**	Committee decided to modify it as Room temperature to **1150 °**C **or higher**
3.	Cool down Temperature	1000 to 100 °C in less than **10 min**	**25Min**	As per the tender document
4.	Temperature upgrade	Lower to **15 °C** with optional chiller	**20 °C**	Committee decided to modify it as **Lower up to 20 °C with optional chiller**
5.	Temperature Precision Heating Rate	Better than **± 0.8** °C on scanning **0.1 to 200** °C/min or better.	**± 1.0 °C** **0.1 to 100 °C**	As per the tender document
6.	Sampling	Vendor to quote for ceramic pans at least one set of **180 ul** and required tools.	**90 ul OR higher**	As per the tender document

7.	Interface	Transfer line adapter for the thermal instrument. Insulated heated transfer line with replaceable **SilcoSteel® liner; Heated zero-gravity**- effect **100 mm** gas cell, low volume, control unit incorporating a mass flow controller, article filters, flow smoothing system, independent transfer line and gas cell temperature controllers. Vacuum pump with exhaust line. Trigg device for automatically starting the IR data collection based on e.g. the thermal method. Maximum line and cell temperature 350 °C; minimum line and cell temperature 50°C	• **Compatible material Teflon/Quartz** • **Optimum size** • Maximum line and Cell temperature 300 °C or More	Committee decided to modify it as **"compatible material SilcoSteel® liner / Teflon / Quartz with the Optimum size of 100mm."** Committee decided to modify it as **"maximum line and cell temperature 300 °C or more"**
8.	Temperature upgrade	Lower to 15 °C with optional chiller	In the tender Technical specifications (Page no:30) it is mentioned that the instrument should have Temperature upgrade lower to 15 °C with optional chiller. In our TGA instrument the temperature range is from RT to 1000 °C, and there is no provision to reach 15 °C.	Committee decided to modify it as **Lower up to 20 °C with optional chiller**
9.	Software	Windows based software to control TGA analysis manipulate data, first or multiple derivatives, multi-ramp, kinetics software, auto sampler control, furnace and sample temperature display. Calibration through software, Control of the interface.	In the software specifications it is mentioned about auto sampler.Kindly clarify	Software should have the autosampler control capability for in case there is a future upgradation, otherwise new instrument has to be purchased if the sample load increases in the future.Therefore software need have the auto sampler control.
10.	Interface	Transfer line adapter for the thermal instrument. Insulated heated transfer line with replaceable SilcoSteel® liner; Heated zero-gravity-effect 100 mm gas cell, low volume, control unit incorporating a mass flow controller, article filters, flow smoothing system, independent transfer line and gas cell temperature controllers. Vacuum pump with exhaust line. Trigg device for automatically starting the IR data collection based on e.g. the thermal method. Maximum line and cell temperature 350 °C; minimum line and cell temperature 50 °C.	In the interface part for coupling TGA with FTIR the tender document mentions that maximum line temperature to be 350 °C In our system for TGA coupled with FTIR the transfer line temperature can reach maximum of only 230 °C	Committee decided to modify it as **"maximum line and cell temperature 300 °C or more"**
11.	Quoting of Price(s):	In case of Global Tender, Price quoted should be in Indian Rupees/US Dollar/Euro/Pound Sterling/Yen or	In page No:8 of the tender document the delivery terms is specified as delivery to	As per the tender document.

		in a currency under Reserve Bank of India's notified basket of currencies and must include delivery at NITK, Surathkal including loading/unloading.	NIT surathkal. As per our company policy the freight terms are CIP to nearest airport. Kindly advise.	
12.	Terms of Payment:	Payment shall be made by Cheque or such other mode/electronic fund transfer offered by the Bank. NITK, Surathkal will not pay advance payment to the party. Any request for Advance payment will be rejected summarily. In case if it is necessary, the advance payment will be paid strictly against Bank Guarantee only	Kindly advise on the payment terms of NIT Surathkal through LC for imported items. Our payment terms are 90% through LC on providing the shipping documents and the balance 10% through LC after successful installation and training.	As per the tender document.

Following points to be included in the Addendum 01:

- **Please note the following amendments in the tender document:**
  - Under Tender Document, Please read everywhere,

Contact Details of Buyer : Contact No. : +91 9591415911
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It is decided to extend the Bid submission date by four weeks after displaying Addendum 01

Last date for request tender document : 06/12/2019, before 3.00 p. m.
Last date for Bid submission : 06/12/2019 before 4.00 p. m.
Bid opening date : 09/12/2019 @ 3.00 p.m.

Sd/-
Buyer
(Dr. Veershetty Gumtapure)

Sd/-
Chairman
Central Research Facility
NITK, Surathkal