

(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)
National Institute of Animal Biotechnology

Corrigendum -- Change of Specifications

Please refer NIAB Tender Details as follows.

Tender ID : 2018_DBTEC_412033_1

Tender Reference Number : NIAB/SP/2018-19/39

Tender Title : FT-IR

The following changes may please be noted before submission of bids with respect to the tender details mentioned above.

Revised /New changes in specifications

Specifacaton in place of Existing old specifications --- **Read As** : - Annexure -1 (as attached below)
The specification mentioned below should be treated as revised specification and bid must be submitted accordingly .

Rest of the tender conditions remains same.

Manager (S&P)

NIAB-Hyderabad

Date:- 18/12/2018

Changes in Specifications

Annexure-1

Name of the Item	FT-IR
Qty	01
Point No	Technical Specification in detail
1	<p>THE FT-IR ADVANCED SPECTROMETER</p> <p>All FT-IR Advanced Spectrometers include:</p> <ul style="list-style-type: none"> ~ 0.05 to 0.1 resolution with variable aperture ~ Sampling operation System ~ Four position Quadraflex source mirror ~ Long Lifetime Infrared Source ~ Tungsten-Halogen white light source ~ Mounts for J-port emission optics and Raman InGaAs detector ~ Three position Paraflect detector mirror ~ Aligned mounting plates front/rear ~ High speed USB 2.0 interface ~ Accepts all Smart Accessories and many others ~ Upgradeable to include ATR Built-in, wide range diamond ATR ~ Expandable with the GC-IR and NIR modules ~ Ready to accept Raman Module ~ Compatible with Continuum FT-IR Microscope and TGA Accessory ~ Ready for automatic beamsplitter changer ~ Without Internal storage for 2 additional beamsplitters ~ Internal Validation wheel for SPV or ValPro Qualifications ~ Includes NIST Traceable Polystyrene and NG11 Glass ~ Sealed and Desiccated with KBr sample compartment windows ~ Wave number range 7500 to 300 cm⁻¹ or better ~ Signal to noise ratio (SNR) 55000: 1 or better
2	<p>Standard Software</p> <ul style="list-style-type: none"> ~ Software support for spectrometer and modules ~ Group and Ungroup file capability for easy management of related sample data in a single file without loss of information ~ Auto Analyze feature to perform and report prediction, searching, Qcheck or Peak Labelling immediately after collection without any need for intervention. ~ Auto Report feature to automatically view results, print or add to current notebook. ~ Automatic atmospheric suppression to remove H₂O and CO₂ interferences (no standards needed) ~ System Performance verification (SPV) monitors system status ~ Professional for quantitative and qualitative method development prediction and deployment. ~ Full-featured report generator and electronic laboratory notebook ~ Macros\Basic to compile routine tasks into simple push button operations with access via 's customizable toolbar ~ Password protection and user login support ~ Full array of data conversion and correction tools and Advanced ATR correction tools ~ Complete set of spectral data processing tools ~ Spectral Search: high-resolution library generation, customizable information fields, single or multi-region search, library management, with over 1400 spectra or more included libraries ~ Easy to set-up parameters, live display of data collection and live spectral preview ~ Extensive on-line help and video tutorials
3	<p>Spectra Material Characterization software</p> <ul style="list-style-type: none"> ~ Unique task-based user interface significantly improves identification of unknowns ~ Advanced data management capability treats your entire

	<p>hard drive as a database</p> <ul style="list-style-type: none"> ~ Exclusive Multi-Component and Contaminant Search ~ Support for FT-IR and Raman spectral data ~ Data collection for Spectrometers for FT-IR ~ Minimum of 9000 or more infrared spectra in high resolution format in the Spectra General Chemicals collection of hydrocarbons, alcohols, phenols, aldehydes, ketones, esters, anhydrides, lactones, dyes, indicators, alkynes, nitro and azo compounds phosphorous and sulphur containing compounds, inorganic, and silanes
4	<p>FTIR Advanced KBr Gold Spectrometer</p> <ul style="list-style-type: none"> ~ Gold optics good for far IR, mid IR and near IR operations ~ Ge-on-KBr beamsplitter ~ Includes top-mounted DLaTGS
5	<p>English Language Kit</p> <p>Power Cord Indian and RSA 250v</p> <p>Standard Purge System</p> <ul style="list-style-type: none"> ~ Includes Purge Regulator, tubing and spectrometer attachment
Other mandatory required items like UPS, Stabiliser, PC , fixed warranty (if any)	<p>PC, UPS</p> <p>3yrs warranty and 2yrs AMC should be included separately</p>