



CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur,
P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

Date: 10/01/2020

CORRIGENDUM NOTICE

**Tender Notice No.: CUSB/PSD/PHY/TENDER/18/2019-20, Dated 02/01/2020
(Supply & Installation of “Laboratory Equipments” for Physics Lab)**

Refer to above mentioned tender notice, the following corrigendum is published for queries received from prospective bidders.

Name of the equipment: Vibrating Sample Magnetometer (VSM)

Previously submitted specification

Temperature Range	50K-400K or Above
Coil Type	1 st order Gradiometer (Cu)
Coil set bore	Min 6.3mm
Oscillation Frequency	40Hz or above
RMS sensitivity at zero field	0.5% or better
RMS Sensitivity at field B	$6 \times 10^{-7} + 3 \times 10^{-7}$ emu/tesla X B(T) or 0.5% or better
Accuracy	0.5% or better
Largest measurable moment	40/(Peak Amplitude [mm])
Sample Holder	Different sample holder are required
Other requirement	Sample mounting/alignment kit is required & Computer with software (License for lifetime required)

Modified Specification

About System	<ul style="list-style-type: none">• System should be fully cryogen-free. Only small amount of helium gas should be required for its fully automated start-up and operation.• System must have a built in cryopump and vacuum gauge for controlling the sample environment. The cryopump must be able to pump out the sample chamber to less than 10⁻⁴ Torr under 10 minutes or better.• Sample chamber must have a common sample interface at bottom for convenient access and flexibility during different measurements• Quoted system must be Air-cooled. There may not be any requirement of chiller/additional cooling unit to reduce the maintenance/downtime.• Magnetic moment noise levels must be less than 6×10^{-7} emu at 300 K for 1 second integration time and 40 Hz frequency or better.• VSM system must perform rapid, completely automated centering operations. There should not be any need to perform manual adjustments to centre the sample.• Suitable sample holders and Sample preparation/alignment box should be included.• Magnet power supply, temperature controller preferred from the manufacturer instead from third party.
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