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Corrigendum-1

Tender Name: Supply & Installation of Hall Effect Measurement Setup at IIT Bhilai
Tender No.: IITBh/Goods/CIF/2023-24/017 Dated: May 25, 2023

With reference to the above-mentioned tender, please note that the specifications remained the same as tender, however, the following points are clarified / details were given: -

S. No./ page no. as per the tender document	Specification	Description of the specification	Clarification /more details of the specification
		Description	Clarification
2 / Page 12	Maximum sample size:	Solder card (5 pcs) 10 ± 1 mm × 10 ± 1 mm × 3 ± 1 mm	Solder card: This allows the sample to be soldered to the electrodes.
		Pin card (5 pcs) 10 ± 1 mm × 10 ± 1 mm × 2 ± 1 mm	Pin card: This enables electrical contacts through spring loaded mechanics.
Sample Chamber:			
1 / Page 12	Sample Chamber should have provision for sample mounting on PCB mounted probe pins and soldering pads (5 of each type) for the Hall bar and Van der Pauw configurations	Sample Chamber should have provision for sample mounting on PCB mounted probe pins and soldering pads (5 of each type) for the Van der Pauw configuration	Solder/pin cards are printed circuit boards on which we mount the samples. These PCBs shall be inserted into the probe so that the electrical measurements can be performed.

2 / Page 13	Sample chamber should have full electrical sample shielding, guarded triaxial cables to avoid noise. The sample chamber should have a provision for the purging the sample space for vacuum and insert atmosphere. For low temperature measurements the sample should be in vacuum. Apart from this, the sample chamber should be compatible to host oxidizing, reducing gases.	Reducing gasses: H2, CO, NH3, CH4, NO etc. Oxidizing gasses: NO2, Oxygen, CO2, etc."	With reference to the gases, we require a leak valve attached to the sample chamber.
Electromagnet:			
1/ Page 13	Software controlled Electromagnet with built in tesla meter for automatic field control and continuous monitoring of magnetic field.	Pole gap user controlled without the sample chamber	Changing the magnetic field is possible via changing the current through the coil. Apart from that we would like to change the pole gap manually to reduce/increase the magnetic field.
		The vendor needs to provide a suitable chiller if required for the electromagnet. The electromagnet and sample should have a provision for optical access with an light source with fiber.	With reference to the provision for optical access, we intend to shine photons from UV to through IR. This provision should be through an optical fiber. This can be one of the following. (a) If the optical access is through an vacuum feed thru installed on the sample chamber. In this case, the fiber inside of the chamber shall run upto the

			sample. (b) An optical window, eg. sapphire (compatible with UV to IR wavelengths) installed on the sample chamber. In this case, the supplier shall provide a hole through the magnet so that the sample can be illuminated.
System Software and Measurements:			
2/ Page 14	Temperature variation 80 K to 850 K Hall measurements with precision 0.05 deg C.		The cooling can be achieved via an open loop liquid nitrogen flow cryostat. Suitable items such shall be supplied such that the experiment can be carried out at 80K, for 4-6 hours.
3/ Page 14	Also quote a pump for the evacuation of the sample chamber.		We require oil-free dry pump. All stainless-steel fittings that are compatible with test gases mentioned above.
4 / Page 14	Suitable UPS shall be quoted to run the whole system for 20 min (Optional item)		The UPS should also power the electromagnet and chiller (incase if the chiller is part of the main system). i.e. the complete system should be working for 20 min minimum, at 80 K.
Warranty terms: The supplier needs to quote extended warranty AFTER the 3 years of warranty as per the tender.			

All other terms and conditions of the tender document will remain the same.

Dy. Registrar
S&P, IIT Bhilai