DEPARTMENT OF PHYSICS

MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

No. PHY/MLSU/FIST/AC CHI PO/2015/ 2130 Date: 24th February, 2015

PURCHASE ORDER

To
M/s SISTEMPROJEKT d.o.o.
CryoBIND Department
SJEDISTE
KRUZICEVA 4 10000 ZAGREB,
CROATIA
prester@ifs.hr

THROUGH
M/s VICO SCIENTIFIC SALES PRIVATE LIMITED
W-8, Main Patel Road, West Patel Nagar
New Delhi 110008
25874303,25871181
E-mail @info@vico.co.in ATTN Pramod Kumar, Mobile No. 9818681612

REF: TENDER No. MLSU/PHYSICS/FIST/CHIAC/2014 /1836 Dated 24/11/2014 AC Magnetic Susceptibility Measuring System

Dear Sir,
With reference to the Technical and financial bid Received from your Indian Representative Vide Letter no. VSL/Qtn-MLSU-CryoBIND/1317/TB Dated 11th December 2014 ,We are pleased to place an order for supply of CryoBIND-LN AC Magnetic Susceptibility Measuring System as per following details:

S. No	Item	Qnty	Cost(CIP Cost at Delhi Airport)
1	CryoBIND-LN Liquid Nitrogen based ac susceptibility System involving digital signal lock-in processing, operating in the Temperature range 78K-400K and in the 0-14Oe ac field range including cryogenic thermocouple temperature sensor, ice-bath reference point, manual sample holder positioned, system of driving and measuring coils, vacuum lines and gauges, double stage rotary pump, measuring and acquisition software. Nominal sensitivity of the system:$5x10^{-9}$ emu Installation, commissioning, training at the spot by two CryoBIND engineers (duration 3 days) including airflight tickets and accommodation costs, Bank LC charges, Insurance charges, packing and forwarding charges, Freight charges total CIF New Delhi Airport	One	Euro 48.890,00
	TOTAL CIP Charges at New Delhi Airport		Euro 48.890,00

Euro Forty Eight Thousand Eight Hundred and Ninety ONLY

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Department of Physics

Technical Specifications of the Equipment

The equipment must have the following specifications

1. Operatable using liquid nitrogen
2. Liquid Nitrogen variable temperature Cryostat
3. Double stage vacuum pump
4. Temperature range: ~78-400K
5. Temperature ramp. : 0-3 K/min
6. Temperature controller
7. Temperature sensor
8. Digital lock in Amplifier
9. AC Frequency range:~1Hz-10kHz
10. Primary ac field Range (Oe):~0-14
11. Sensitivity range (emu):~10^{-8}-10^{-9}
12. Accurate resolution of real and imaginary parts of the susceptibility
13. Facility to superimpose dc-field and extend the ac/dc field ranges
14. Facility for higher harmonics analysis
15. Complete AC susceptibility measurement, temperature control and field control software.
16. Manuals, connecting cables, etc.
17. Data to be retrievable in ASCII format.

Terms and conditions:

1. Supply, installation and performance demonstration of fully automated AC magnetic Susceptibility measurement System with Liquid Nitrogen Variable Temperature Cryostat with necessary hardware and software at the Department of Physics, Mohanlal Sukhadia University, Udaipur

2. The thrust area using the system will be to analyze polycrystalline materials and oxide materials. The hardware and software of the proposed system to support various applications/analysis including measurement of AC Susceptibility as a function of temperature, frequency and magnetic field. The stability of the equipment must be very high and must be suitable to carry out research work in the field of magnetism.

3. AC susceptibility of the sample provided by the Department must be measured during the installation.

4. A Performa Invoice must be submitted for the equipment to enable opening of Letter of credit.

5. The Indian Representative firm will be required to submit an agreement (available on web site www.mlsu.ac.in) on a Non-Judicial Stamp paper agreeing to supply and install the equipment and demonstrate the performance of the equipment as per compliance sheet.

6. The equipment must be supplied within a period five months from the date of opening of Letter of Credit.

C.S

24-2-2015

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