



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)

Transit Campus : Sree Rama Engineering College Campus, Karakambadi Road,
Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India

(MENTORED BY IISER PUNE)

CLARIFICATION ON TENDER NUMBER - IISERT-PUR-0347-17

ITEM DESCRIPTION – 400 MHz NMR

Refer our Press Tender Notice No. IISERT/S&P/07/17-18 dated 07.12.2017 for procurement of 400 MHz NMR. Tender Reference Number – IISERT-PUR-0347-17.

Pre-Bid meeting was held on December 18th, 2017 from 14:30-16:30 at IISER Pune and the Minutes of Meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure –II.

The representatives present were satisfied with the replies given and it was informed that the corrections / additons / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Tirupati and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website www.iisertirupati.ac.in will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

26.12.2017

Sd/-
Assistant Registrar (S&P)



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ANNEXURE –II

PRE-BID CONFERENCE FOR PROCUREMENT OF 400 MHZ NMR

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT-PUR-0347-17

DATE: 26.12.17

S.No	Query/Clarification Sought	Clarification / Amendment
1	<p><u>Page no. 22, Chapter 4, Magnet Specification</u></p> <p>We request you to kindly amend Liquid helium hold time to 365 Days. Nowadays 365 days' helium hold magnet spec is the standard specification and moreover you have to refill Liquid Helium once in a year and both the vendors have 365 days Helium hold magnet. So, we request you to kindly amend the Liquid helium hold time spec to 365 days or more.</p>	<p>Considering various aspects of the magnet requirements it has been decided not to amend the magnet specification.</p>
2	<p><u>Page no. 22, Chapter 4, Console Specification</u></p> <p>Our system comes with the single receiver for two channel spectrometers. So, we request you to kindly amend the specification to single receiver.</p>	<p>The dual receiver requirement has been amended as “an optional requirement”.</p>
3	<p><u>Page no. 23, Chapter 4, Console Specification</u></p> <p>We request you to kindly amend the specification to 30 G/cm. Gradient strength of 30 G/cm is adequate for Solution state experiments on a 400 MHz NMR System.</p>	<p>Considering experimental requirements, it has been decided not to amend this specification. Vendors are required to quote for a minimum of 50 G/cm gradient strength.</p>



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4	<p><u>Page no. 23, Chapter 4, Console Specification</u></p> <p>Accessories for running experiments below ambient temperature (electric cooled and spectrometer-interfaced variable temperature unit capable of going to temperatures from ambient down to -40 °C °C). Sample temperature should be monitored not the gas temperature.</p>	<p><u>An additional requirement:</u> Liquid N₂ based temperature unit for controlling the sample temperature from ambient to -100 °C; a dedicated liquid N₂ dewar volume of minimum 25 L. This is in addition to the electric cooled temperature controller already mentioned in the original tender.</p>
5	<p><u>Page no. 23, Chapter 4, Probe Specifications</u></p> <p>First probe has a 19F-1H correlation capability and also decoupling facilities. Second probe mentions high 1H sensitivity with 19F availability, for both 19F decoupling and 19F-1H correlation as an option. Our probe meets your main requirements, but cannot meet your optional requirement of 19F decoupling and 19F-1H correlation. Variable temperature range from -100 °C to +150 °C.</p>	<p><u>Page no. 22, Chapter 4, Technical Specifications</u></p> <p>Specifications for probes are amended as:</p> <p><u>Probe-1:</u> 5 mm double-resonance broadband high resolution probe with an actively shielded single axis Z-gradient for observation/irradiation of all NMR nuclei in the range 31P to 109Ag in addition to 1H (please quote for maximum broadband range available); including 1H{19F} and vice versa. Sensitivity for 1H should be more than 450; also sensitive to low gamma nuclei detection; should include a deuterium lock channel. Variable sample-temperature ranging from -100 °C to +150 °C with better than 0.1 °C precision; automated tuning and matching option. Optional capability of 19F detection with 1H decoupling and 1H-19F correlation spectroscopy. Automated tuning and matching capability.</p> <p><u>Probe-2:</u> 5 mm double-resonance broadband high resolution probe with an actively shielded single axis Z-gradient for observation/irradiation of all NMR nuclei in the range 31P to 15N in addition to 1H and 19F (please quote for maximum broadband range available); sensitive to 1H detection; a deuterium lock</p>



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		channel. Variable sample-temperature ranging from -100 °C to +150 °C with better than 0.1 °C precision ; Automated tuning and matching capability.
6	<p><u>Page no. 24, Chapter 4, Other requirements</u></p> <p>We request you to kindly amend the probe spec as below Pneumatic magnet-stand / Vibration proof platform with vibration damping accessory for vertical damping (please specify the lower limit on the frequency of vibrations damped).</p>	<p>The magnet stand requirement is amended to vibration proof platform.</p>
7	<p><u>Page no. 24, Chapter 4, Other requirements</u></p> <p><u>Supply of liquid N2 dewar:</u></p> <p>We suggest you to buy manual liquid N2 dewars of 50 litres quantity. Since liq N2 transfer has to take place at low pressures and flow rate, these parameters are better controlled in MANUAL liq N2 transfer devices (50 lt capacity each). IISER can procure 4x50 lt dewars and one transfer device. These are also more economical. Further, if a 100 or 200 lt self-pressurised dewar goes defective, then liq N2 transfer becomes an issue. However, if 4x50 lt dewars are procured, then even if one breaks down, you have replacement ones available for liq N2 transfer.</p>	<p>Vendors are required to supply (i) Two 50 L unpressurized liquid N2 dewars, (ii) a manual liquid N2 transfer line, and (iii) One 200 L self-pressurized liquid N2 dewar.</p>



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ANNEXURE -III

IISER TIRUPATI

PRE-BID CONFERENCE FOR PROCUREMENT OF 400 MHZ NMR

COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT-PUR-0347-17

DATE: 26.12.17

S. No.	Query/Clarification Sought	Clarification / Amendment
1	Page No – 11 and 16 - Delivery & installation Period Request to amend the delivery and installation period	Page No – 11 and 16 - Delivery & installation Period is amended to The delivery period is six months from the date of opening of Letter of Credit. The installation should be completed within two months of delivery.
2	Inspection at Manufacture's site Inspection at the manufacturer's site is not allowed.	Inspection at Manufacture's site This requirement has been dropped.
3	Page No – 17, Chapter 3 – Warranty Replacement During the warranty, items cannot be delivered in 24 hours. If a spare board exists in India, then we can bring up the instrument within 72 hours. If parts have to come	Page No – 17, Chapter 3 – Warranty Replacement If a spare part exists in India, then the instrument should be restored within 72 hours. If parts have to come from abroad, then the instrument should be restored within 4 weeks.



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	from abroad, then the items may take up to 2 weeks for shipment.	
4	Custom Clearance of Warranty Parts IISER has to clear all the warranty items (if at all anything goes faulty during warranty period), the corresponding charges incurred towards clearance and onward transport will be reimbursed by agency.	Custom Clearance of Warranty Parts This is agreeable to IISER Tirupati.
5	Price Disclosing Our Principals can give installation reports of our NMR systems installed in India. However, as per our corporate policy, we are not allowed to disclose prices given to other institutes. In addition, systems have been sold with varying configurations and models and time periods, hence a price comparison cannot be made.	Price Disclosing This is agreeable to IISER Tirupati.
6	<u>Solvency Certificate</u> Solvency certificate was submitted recently, can same certificate be submitted.	Solvency Certificate Yes, solvency certificate not older than 12 months issued by scheduled/Nationalized bank can be submitted
7	Page No – 7, Chapter 1 (V) - Sub-contracting of instruments Sub-contracting of instruments are not allowed by IISER	Page No – 7, Chapter 1 (V) - Sub-contracting of instruments. The supply of NMR is turnkey basis contract, where all the



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	<p>according to your tender terms – We wish to notify that we are not the manufacturer of local items like UPS, compressor/dryer, liquid N2- dewars etc, so, as per this terms , we will NOT be quoting the local items as we will indeed sub-contract the installation/maintenance to third-party manufacturers/suppliers. Infact, IISER Tirupati will benefit with this method as there will be significant savings when these local items are bought directly by IISER.</p>	<p>local items like UPS, Compressor, Filters, Liquid Nitrogen, Liquid Helium, Dewars, etc comes under the scope of supply, installation & commissioning and demonstration of equipment. It is the responsibility of principal supplier or their authorized agents. The said clause is modified accordingly. IISER will not procure these local items.</p>
8	<p>Transportation and Insurance of Shipment</p> <p>Since IISER has its own forwarding agent, we presume they will take care of transport upto Airport in India. Onward transportation from Indian port to Tirupati will again be responsibility of the forwarding agent/IISER. Agency cannot agree for inland transportation from Airport to NMR site. However, if shipment is on CIP basis, our insurance will then cover the whole consignment from factory to IISER.</p>	<p>Transportation and Insurance of Shipment</p> <p>IISER Tirupati has own forwarding agent to take care of transport upto Chennai Airport in India. Onward inland transportation from Chennai Airport to IISER Tirupati will be the responsibility of forwarder. However, if order is placed on CIP Chennai basis, insurance should be covered for the whole consignment from factory to IISER.</p>
9	<p>Custom Clearance of Shipment</p> <p>Agency does not agree for customs clearance, duty, onward transportation etc after the imported shipment lands in India.</p>	<p>Custom Clearance of Shipment</p> <p>IISER Tirupati has Custom clearance and cargo consolidation agent. IISER will take responsibility of clearance and onward transportation from Chennai to Tirupati.</p>



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10	Page No – 19 , Chapter 3 – Penalty for delayed Services LD clause is not acceptable, since delivery depends on various factors such as obtaining the End User Certificate, opening of L/C in time etc and these are factors are beyond agency control.	Page No – 19 , Chapter 3 – Penalty for delayed Services No Change in late Delivery clause since the delivery and installation period has been extended.
11	EMD Request that EMD be returned once the 10% Security Deposit is given after order confirmation.	EMD EMD will be returned immediately on receipt of 10% security deposit.