



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Date:10.12.2025.

Pre-Bid Minutes

**Name of Work: Construction of Liquid Nitrogen Generation facility (design and built basis) at IISER Tirupati Campus, Yerpedu.**

Tender No: IISERT/Engg/2024-25/02 dated 06.12.2025

Attendees-

Prospective Bidders:

S.No.	Name	Agency Name	Mode
1	Mr. Bireshwar Das	M/s MVS Engineering Pvt. Ltd.	Online
2	Mr. Nirvikar Saran	M/s Peak Scientific Instruments India Pvt. Ltd.	Online
3	Mr. Dheeraj Kumar Mishra	M/s Peak Scientific Instruments India Pvt. Ltd.	Online
4	Ms. Filiz Ozdas	M/s IMTEK Cryogenics	Online
5	Representative	M/s IMTEK Cryogenics	Online

Representatives from Institute:

- Mr. K. Siva Kumar, Assistant Engineer (Electrical), IISERT.
- Mr. Antony Joe CV, Assistant Engineer (Civil), IISERT.
- Mr. N. Jayasurya, Technical Officer (Instrumentation), IISERT.
- Mr. George Srujan V Executive Engineer (Electrical), IISERT.
- Dr. Ekambaram Balaraman, Associate Professor & Chair, Chemistry, IISERT.

The Following are the queries and respective clarifications in the Pre-bid meeting held on 10.12.2025 through Hybrid mode:

S.No.	Tender Page No.	Tender Condition	Query / Clarification Requested	Clarification
1	Page No. 64 Point No.03	Apart from the LN generator's inbuilt vendor-supplied storage tank, the compatibility for integrating with the existing vertical 3,000-liter (3 KL) INOXV low-pressure storage tank to ensure a reliable, uninterrupted and automatic liquid nitrogen filling into the existing tank must be ensured. Additionally, the installation should include provisions for future expansion to a 5,000-liter (5 KL) tank or higher, in line with increasing institutional research demands.	Whether connection of 3000 litre Liquid Nitrogen tank is part of the scope of work?	Only the provision for connecting the existing tank is required as per the present scope. Actual connection if required will be instructed during execution depending on the site or Institute requirements. The Liquid Nitrogen Generator must support compatibility with the aforementioned tank.
2	Page No. 63 & 64 Scope of work and Point No. 04	<b>Scope of work (Pg 63)</b> The entire system shall be supplied as fully integrated, factory-assembled and tested skid modules. <b>Point no. 4 (Pg. 64)</b> Integrated Factory-Built Skid System	Clarification required whether compressor and water chiller are required in the skid-mounted module.	The compressor and water chiller need not be part of the skid-mounted module. The Point no. 4 (Pg. 64) definition of skid module prevails
3	Page No. 67 Point No. 18	If PESO license required, to be obtained by supplier at no additional cost	Is PESO License required for the Liquid Nitrogen Generation system as part of the scope as the Liquid Nitrogen system as per current specification does not require PESO License	If the LNG facility as per scope mandates PESO License, the same has to be obtained. And further if PESO license is required in eventuality of connecting the 3KL Liquid Nitrogen tank, then the PESO license needs to be obtained. The

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				PESO certification/license as may be required in either case; necessary liasoning with the statutory body from the application submission till the receipt of the license is part of the scope and any statutory payment in this connection needs to be paid by the agency and will be reimbursed by the institute upon submission of the payment receipt.
4	Page No. 09 Clause No. 10	Bid Security/ Earnest Money Deposit (EMD): All other bidders should submit an EMD of Rs. 15,93,948/- in the form of DD/ NEFT /RTGS.	Request to accept EMD in the form of Bank Guarantee.	EMD can only be submitted via DD/NEFT/RTGS. Bank Guarantee is not acceptable.
5	Page No.54 Schedule 'E' (ii and iii) of GCC	1) Performance Guarantee 5% of tendered value. 2) Security Deposit 5 % of tendered/accepted value	Clarification on Performance Guarantee and Security Deposit requirements.	Performance Guarantee is 5% of the tender value, valid until project completion (5 months or until project completion whichever is latest) plus 60 days as per tender norms. Security Deposit of 5% of the tendered/accepted value, valid until the completion of the 5-year warranty period, which will be deducted in every Running Account bill paid.
6	Page No. 32	Declaration about site inspection	Is the site visit mandatory for bidders?	Yes, the site visit is mandatory for bidders, and the declaration form must be submitted with the tender document.
7	Page No.06	Section I – i) Notice Inviting E-Tendering-Period of Completion	The Project Completion Time along with Civil construction and,	No Change in the Tender conditions. The Completion period is 5 months for all of the:

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			installation of item is critical within 5 months can you extend the timeline.	<ul style="list-style-type: none"> <li>• Civil construction</li> <li>• Supply, installation &amp; commissioning of complete system.</li> <li>• Handing over</li> </ul>
8	Page no. 57, Clause 32	Requirement of Technical Reprehensive(s) and Recovery Rates	Is the technical representative requirement compulsory during execution?	A dedicated technical person must be deployed during the 5-month execution period. If not deployed, a recovery of ₹25,000/month will be made as per the tender norms.
9	Page No. 67, Point No.14	Product Experience in India – The proposed Model must have been operating in India for minimum 10 years.	The bidder requested that the 10-year presence requirement be reconsidered.	No relaxation in the 10-year experience required. The existing condition prevails.
10	Page No. 2, Brief Details of Tender	Time & date of opening of technical bids 20.12.2026	-	<b>May be read as:</b> Time & date of opening of technical bids - 20.12.2025

Sd/-  
**Executive Engineer(E)**  
IISER Tirupati