

Tender No.: NAL/PUR/ACD/125/21-Z[0]

October 12, 2021

Tender ID: **2021\_CSIR\_89353\_1**

PROCEEDINGS OF THE PRE-BID CONFERENCE HELD ON 07-OCTOBER-2021 THROUGH WEBEX,  
AT CISR-NAL, TOWARDS PROCUREMENT OF STATIC UNIVERSAL TESTING MACHIN .

The Proceeding w.r.t Tech queries and Commercial Queries are appended below:

  
Sr. Controller of Stores & Purchase Officer  
For and behalf of CSIR

Encl: as above.

**PROCEEDINGS OF THE PRE-BID CONFERENCE HELD ON 07-Oct-2021 THROUGH WEBEX TOWARDS PROCUREMENT OF STATIC UNIVERSAL TESTING MACHINE.**

The Pre-bid Conference was held and the following T&PC members attended the meeting: -

| Sl. No. | Name & Designation   |                              | Role                    |
|---------|----------------------|------------------------------|-------------------------|
| 1       | Dr. Soumendu Jana    | Chief Scientist, PR          | Alt Chairman            |
| 2       | Dr. J. N. Balaraju   | Sr. Principal Scientist, SED | Member                  |
| 3       | Mr. Siva M           | Technical Officer            | Invitee                 |
| 4       | Mr. Sanjeev Kumar, S | Sr. Principal Scientist, ACD | Member - Convener (TSC) |

The list of Prospective bidders who attended the Pre-bid Conference is as per **Annexure-I**.


At the outset, the Chairman welcomed all the Members and the representatives of the Bidders and briefed in general the scope of the Project. The Indenting Officer to read out the clarification sought by the bidders and the replied thereto as detailed in **Annexure-II (Part A: Technical Clarification and Part B: Commercial Clarification, if any)**.


The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of CSIR-NAL and all prospective bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before formulating and submitting their bids as stipulated in bidding Documents.

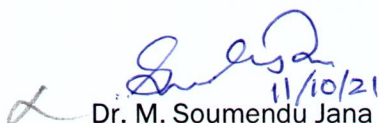
The meeting ended with a vote of thanks to the Chair.

Encl: as above.

  
Siva M  
Invitee

  
Dr. J. N. Balaraju  
Member

  
S. Sanjeev Kumar  
Member - Convener (TSC)

  
Dr. M. Soumendu Jana  
Alt Chairman-T&PC

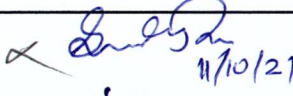
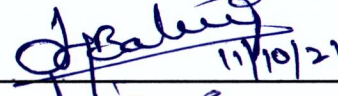
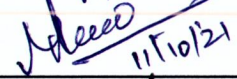

CSIR-NATIONAL AEROSPACE LABORATORIES  
BENGALURU - 560 017

TENDER NO.: NAL/PUR/ACD/125/21-Z  
DATE & TIME : 07-10-2021 @ 11.00 am  
VENUE: THROUGH WEBEX

ANNEXURE - I

Pre-Bid Conference for Procurement of Static Universal Testing Machine

ATTENDANCE SHEET - T&PC MEMBERS

| Sr. No. | Name   |                         | Signature   |
|---------|--|-------------------------|---|
| 1       | Dr. Soumendu Jana, Chief Scientist, PR             | Alternate Chairman      | <br>11/10/21 |
| 2       | Dr. J. N. Balaraju, Sr. Principal Scientist, SED ✓ | Member                  | <br>11/10/21 |
| 4       | Mr. Siva .M  | Invitee                 | <br>11/10/21 |
| 5       | Mr. Sanjeev Kumar, S, Sr. Principal Scientist, ACD | Member - Convener (TSC) |             |

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Pre-Bid Conference for Procurement of Static Universal Testing Machine.

ATTENDANCE SHEET - PROSPECTIVE BIDDERS

| Sr. No. | Name of the Firm                        | Name & Designation of Representative | E-tender Registration (Yes/No) | Email ID   | Signature |
|---------|---|--------------------------------------|--------------------------------|--|-----------|
| 1       | M/s. Instron Pvt Ltd (ITW)              | Mr. Rajan Shekaran                   |                                | <a href="mailto:Rajan_Shekaran@instron.com">Rajan_Shekaran@instron.com</a>         |           |
| 2       | M/s. Zwickroell                         | Mr. Rishi Mukherjee, Mr. Shivakumar  |                                | <a href="mailto:Rishi.Mukherjee@zwickroell.com">Rishi.Mukherjee@zwickroell.com</a> |           |
| 3       | M/s. Francis Klein & co Pvt Ltd         | Mr. Gnanakumar                       |                                | <a href="mailto:gnana.kumar@francisklein.in">gnana.kumar@francisklein.in</a>       |           |
| 4       | M/s. Summit Technodyne Pvt Ltd          | Mr. Aditya                           |                                | <a href="mailto:aditya.m@summittechnodyne.com">aditya.m@summittechnodyne.com</a>   |           |
| 5       | M/s. Hemetek Techno Instruments Pvt Ltd | Mr. Swapnil Bandgar                  |                                | <a href="mailto:swapnil@hemetek.com">swapnil@hemetek.com</a>                       |           |



**CSIR-NATIONAL AEROSPACE LABORATORIES  
BENGALURU**

**TECHNICAL QUERIES & CLARIFICATION**

Tender No. : NAL/PUR/ACD/125/21-Z

Item Description : Dual space static universal testing machine

| Sr. No. | Query / Clarification Sought  | Clarification/Amendment   |
|---------|---|---|
| 1       | <u>Item sl.no. 1, Load frame(c).</u><br>whether the load frame axial stiffness mentioned as >110 kN/mm is applicable for the entire height of Load frame or for a specified height. | The specified value of axial stiffness is for the entire height of the load frame, irrespective of the position of the crosshead.   |
| 2       | <u>Item sl.no.3 , Control Electronics (h)</u><br>The data acquisition rate to be changed from 500 Hz to a minimum of 2 KHz for better accuracy & resolution                         | The data acquisition rate is amended to as <u>minimum of 2 KHz</u> .  |
| 3       | <u>Item sl.no.3 , Control Electronics (i)</u><br>The data sampling rate mentioned as 400 KHz, which is very high & suited for dynamic testing machine.                              | The data sampling rate is amended to as <u>minimum of 40 KHz</u>  |
| 4       | <u>Item sl.no.4, Extensometer</u><br>Is extensometer asked for : contact type or Non- contact type.   | It is of contact type extensometer.   |
| 5       | <u>Item sl.no.5, Alignment fixture kit</u><br>Why alignment kit for 5 kN test area (upper test space) has not been asked for.   | For our testing requirements, the upper test space does not need the alignment kit  |
| 6       | <u>Item sl.no.9, Environmental Chamber</u><br>What is the dimensions of Environmental Chamber needed.   | The Environmental Chamber internal dimensions should be suitable to conduct OHC tests with the specimen length of 305 mm, compression test using IITRI fixture, accommodate tensile test specimens of 250 mm length with tensile grips and sufficient gap to move the crosshead for attaching the fixtures in addition to providing enough gap to the movement of crosshead during testing. |
| 7       | <u>Item sl.no.9, Environmental Chamber</u><br>Whether Both 3m & 6m length of steel braided liquid Nitrogen hoses are needed,  | Yes. Both 3m & 6m length hoses are required considering the access from of liquid nitrogen cylinder to machine and operating safety.  |
| 8       | <u>Item sl.no. 11 &amp; 12, compression Platen</u><br>What is the upper operating temperature limit for the compression platen.   | The upper operating temperature limit is 300°C  |

|    |   |  |
|----|---|--|
| 9  | <u>Item sl.no. 13, Voltage Stabiliser</u><br>Why not to have a UPS for the complete machine instead of a voltage stabilizer to ensure machine is completely protected from voltage spikes which is essential for today's sensitive electronics. | We(NAL) have a dedicated UPS supply only for desktop PC. The recommendation of suitable UPS for the complete machine may be made in the quote. |
| 10 | <u>Item sl.no. 15, Spares and Accessories (a)</u><br>What type of springs are required  | The springs which holds the jaw faces in the grips are required.   |
| 11 | <u>Item sl.no. 15, Spares and Accessories (d)</u><br>What is the requirement of cabinet   | It is required to store grips, fixtures, machine accessories, etc  |

  
Indentor

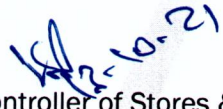
  
Project Leader

**CSIR-NATIONAL AEROSPACE LABORATORIES  
BENGALURU**

**COMMERCIAL QUERIES & CLARIFICATION**

**Tender No.** : NAL/PUR/ACD/125/21-Z[0]  
**Item Description** : Procurement of Static Universal Testing Machine.

| Query / Clarification Sought | Clarification/Amendment |
|------------------------------|-------------------------|
| — NIL —                      |                         |

  
Sr. Controller of Stores & Purchase  
For and on behalf of CSIR

