

PROCEEDINGS OF THE PRE-BID CONFERENCE HELD ON 23RD DEC 2019 AT FMCD CONFERENCE HALL, CSIR-NAL, TOWARDS DESIGN, DEVELOPMENT, ASSEMBLY AND INSTALLATION OF VISUAL PROJECTION SYSTEM.

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

Sl. No.	Name & Designation		Role
1	Dr. M. Manjuprasad	Chief Scientist, STTD	Chairman
2	Dr. Jatinder Singh	Chief Scientist/Head, FMCD	Member
3	Dr. Giresh Kumar Singh	Sr.Principal Scientist, FMCD	Member
4	Dr. C.M. Ananda	Chief Scientist/Head, ALD	Member
5	Mr. Dilip Kumar Sahu,	Sr. Technical Officer-2, CAD	Member
6	Mr. A. Muthukumar	Sr. Scientist, CAD	Member
7	Dr. Abhay Pashilkar	Chief Scientist, FMCD	Member
8	Mr. K. Srikanth <i>K.P.</i>	Sr.Principal Scientist, FMCD	Member - Convener (T&SC)
9	AO or his representative		Member
10	FAO or his representative		Member
11	CoSP/SPO or his representative		Member - Convener (T&PC)

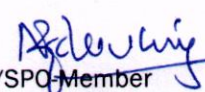
The list of Prospective bidders who attended the Pre-bid Conference is as per **Annexure-I**.

At the outset, the Chairman welcomed all the Members and the representatives of the Bidders and briefed in general the scope of the Project and thereafter requested **SPO** to brief the Bidders on the salient features of the commercial terms. 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.

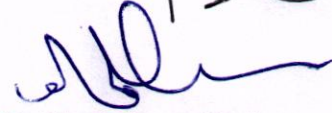
Encl: as above.

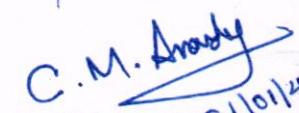

CoSP/SPO Member
Convener -T&PC

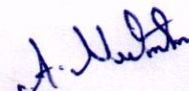

FAO Member



Admin-Member 28/12/19

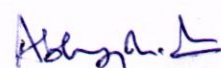

Dr. Jatinder Singh
Member

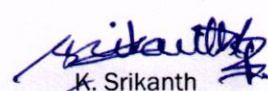

Dr. Giresh Kumar Singh
Member


Dr. C.M. Ananda
Member 01/10/20


A. Muthukumar
Member


DilipKumar Sahu,
Member


Dr. Abhay Pashilkar
Member


K. Srikanth
K.P. Member


Dr. M. Manjuprasad
Chairman 27/12/20

**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU - 560 017**

TENDER NO.: NAL/PUR/CAD/311/19-Z


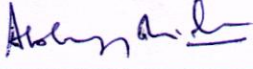
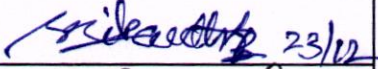


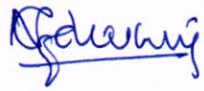
ANNEXURE - I

DATE & TIME : 23-12-2019 @ 10:30 AM

VENUE: FMCD Conference Hall, CSIR-NAL, HAL Airport Road, Kodihalli, Bengaluru-560017

Pre-Bid Conference for Design, Development, Assembly and Installation of Visual Projection System

ATTENDANCE SHEET - T&PC MEMBERS

Sr. No.	Name		Signature
1	Dr. M. Manjuprasad, Chief Scientist, STTD	Chairman	
2	Dr. Jatinder Singh, Chief Scientist/Head, FMCD	Member	On official tour
3	Dr. Giresh Kumar Singh, Sr.Principal Scientist, FMCD	Member	 23/12/2019
4	Dr. C.M.Ananda, Chief Scientist/Head, ALD	Member	C.M. Ananda 23/12/19
5	Mr. Dilip Kumar Sahu, Sr.Technical Officer-2, CAD	Member	-
6	Mr. A. Muthukumar, Sr.Scientist, CAD	Member	-
7	Dr. C. Kamali, Principal Scientist, FMCD	Member	On leave
8	Dr. Abhay Pashilkar, Chief Scientist, FMCD	Member	
9	Mr. K. Srikanth, Sr.Principal Scientist, FMCD K.P.	Member- Convenor -TSC	 23/12
10	FAO or his representative	Member	
11	AO or his representative	Member	 28-12-19
12	CoSP/SPO or his representative	Member- Convenor T&PC	

NATIONAL AEROSPACE LABORATORIES
BENGALURU - 560 017

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ANNEXURE - I

Pre-Bid Conference for Design, Development, Assembly and Installation of Visual Projection System

ATTENDANCE SHEET - PROSPECTIVE BIDDERS

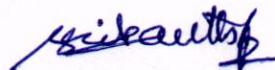
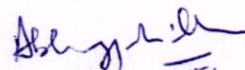
Sr. No.	Name of the Firm	Name & Designation of Representative	E-tender Registration (Yes/No)	Email ID	Signature
1	CAE INDIA PVT LTD	V. Sudararajan Shirish Kulkarni	Yes	Sudararajan.V@cae.com	V. Sudararajan
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**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU
TECHNICAL QUERIES & CLARIFICATION**

Tender No. : NAL/PUR/CAD/311/19-Z
Item Description : Design, Development, Assembly and Installation of Visual Projection System

Sr. No.	Query / Clarification Sought	Clarification/Amendment
1	<p>Query on Scope of Supply and incidental works Section 4.3</p> <p>Scope of Supply includes the following: (i) Supply of the equipment / system along with the accessories as per clause No.4.2 (ii) Inspection & Tests as per Clause No.4.4 (iii) Installation, Commissioning and Acceptance as per clause No.4.4.3 (iv) Training as per clause no.4.5 (v) On site comprehensive Warranty as per clause No.4.6. (vi) Annual Maintenance Contract / Maintenance Support as per clause No.4.7 (vii) Delivery Schedule as per clause No.4.8.</p>	<p>Scope of Supply includes the following: (i) Design document for projection system as per specifications listed in section 4.2 (ii) Supply of the equipment / system along with the accessories as per as per list below - Projectors - 3 Nos - Projection Screen - 1 No - Cables and other accessories - 1 set - Spare Projector - 1 No - Spare Lamps - 3 Nos (If applicable) (iii) Installation, Commissioning and Acceptance as per clause No.4.4.3 (iii) Training as per clause no.4.5. (iv) On site comprehensive warranty as per clause no. 4.6</p>
2	<p>Query in Section 4.2</p> <p>The simulator will be set up in the mezzanine floor built with thick iron sheets welded to I-girders. The roof height is 5.02 m. Vendor shall plan to build a rectangular plate structure welded firmly to the roof for mounting projectors. Layout plan of the mezzanine floor is attached. Layout contains the position of existing Saras PT1N Simulator and tentative position of the proposed Saras Mk2 Simulator. The position and screen size of the proposed Mk2 Simulator in the figure are representative in nature only and vendor can modify the same to suit the requirements listed above.</p>	<p>The simulator will be set up in the mezzanine floor built with thick iron sheets welded to I-girders. The roof height is 5.02 m. Vendor shall plan to build a rectangular plate structure welded firmly to the roof for mounting projectors. Layout plan of the mezzanine floor is attached. Layout contains the position of existing Saras PT1N Simulator and tentative position of the proposed Saras Mk2 Simulator. The position and screen size of the proposed Mk2 Simulator in the figure are representative in nature only and vendor can modify the same to suit the requirements listed above. The approximate height of cockpit is 2100 mm from mezzanine floor</p>

Signature of IO & PL





**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**

COMMERCIAL QUERIES & CLARIFICATION

Tender No. : NAL/PUR/CAD/311/19-Z
Item Description : DESIGN, DEVELOPMENT ASSEMBLY AND INSTALLATION OF VISUAL
PROJECTION.

Tender Clause No	Query / Clarification Sought	Clarification/Amendment
	—NIL—	


Stores & Purchase Officer
For and on behalf of CSIR

