

PROCEEDINGS OF THE PRE-BID CONFERENCE HELD ON 30-Sep-2021 AT ICAST CONFERENCE HALL, CSIR-NAL, TOWARDS PROCUREMENT OF GROUND HYDRAULIC SYSTEM FOR IRON BIRD FACILITY.

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	Mr. Lakshminarayana	Chief Scientist/CAD	Specialist Member
3	Mr. Ramaswamy Setty, J	Sr. Principal Scientist, ACD	Specialist Member
4	Mr. Dilip Kumar Sahu,	Sr. Technical Officer-2, CAD	Member
5	Mr. Satish Rohidekar, R	Chief Scientist, CAD	Member
6	Mr. Vineet Kumar	Chief Scientist, CAD	PD-SARAS
7	Dr. Abhay Pashilkar	Chief Scientist, FMCD	PGD-SARAS
8	Mr. Baskar Rao Mattapally	Principal Scientist, STTD	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)**.

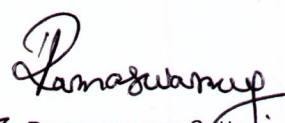
The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of CSIR-NAL and all prospective bidders are required to take cognizance of the proceedings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

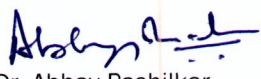
Encl: as above.


Dilip Kumar Sahu
Member


Satish Rohidekar R
Member



J. Ramaswamy Setty
Specialist-Member


Lakshminarayana
Specialist-Member


Dr. Abhay Pashilkar
PDG-SARAS (CAP)


Vineet Kumar
PD SARAS


Baskar Rao Mattapally
Member - Convener (TSC)


Dr. M. Manjuprasad
Chairman-T&PC

NATIONAL AEROSPACE LABORATORIES
BENGALURU - 560 017

ORDER NO.: NAL/PUR/STTD/055/21-Z[0]

DATE & TIME : 30-Sep-2021 @ 11.00 AM

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

Pre-Bid Conference for Procurement of Ground Hydraulic System for Iron Bird Facility.

ATTENDANCE SHEET - PROSPECTIVE BIDDERS

Sr. No.	Name of the Firm	Name & Designation of Representative	E-tender Registration (Yes/No)	Email ID
1	Sika Intelligent Systems Ltd.	Devendra Kumar BDM		devendra.shukla@sikaglobal.com
2	Servocontrols & Hydraulics India Pvt Ltd	NP Shrinivas Sr. Mgr. Deepak Dhadda MD		shrinivas.np@servocontrolindia.com aerooffice@servocontrolindia.com
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**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU - 560 017**

TENDER NO.: NAL/PUR/STTD/055/21-Z[0]



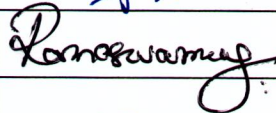





DATE & TIME : 30-Sep-2021 @ 11.00 AM

VENUE: THROUGH WEBEX

ANNEXURE - I

Pre-Bid Conference for Procurement of Ground Hydraulic System for Iron Bird Facility.

ATTENDANCE SHEET - T&PC MEMBERS

Sr. No.	Name		Signature
1	Dr. M. Manjuprasad, Chief Scientist, STTD	Chairman	
2	Mr. Lakshminarayana, Chief Scientist/CAD	Specialist Member	
3	Mr. Ramaswamy Setty, J, Sr. Principal Scientist, ACD	Specialist Member	
4	Mr. Satish Rohidekar, R, Chief Scientist, CAD	Member	
5	Mr. Dilip Kumar Sahu, Sr. Technical Officer-2, CAD	Member	
6	Mr. Vineet Kumar, Chief Scientist/ CAD	PD SARAS	 30/9/2021
7	Dr. Abhay Pashilkar, Chief Scientist, FMCD	PGD-SARAS	
8	Mr. Baskar Rao Mattapally, Principal Scientist, STTD	Member- Convenor -TSC	 30/09/21

Through webex

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**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**



TECHNICAL QUERIES & CLARIFICATION

**Tender No. : Pre-bid meeting for Procurement of GROUND HYDRAULIC
SYSTEM FOR IRON BIRD FACILITY -NAL/PUR/STTD/055/21-Z**

Item Description : GROUND HYDRAULIC SYSTEM FOR IRON BIRD FACILITY

Sr. No.	Query / Clarification Sought	Clarification/Amendment
1	Vendor mentioned that a pressure sensor is required for flow control circuit in addition to flow sensor.	NAL clarified that the vendors can include additional required sensors/accessories meeting the requirements mentioned in the tender document
2	Vendor enquired about the oil cooling mechanism, and asked the preference of NAL	NAL Clarified that air-cooled chiller is required. And the reservoir capacity can be more than 25 Litres if it is required for better oil cooling.
3	Vendor enquired about the oil reservoir and pipelines materials to be used in the rig	NAL clarified that the selected material should be compatible with the oil specifications provided as per chapter 4.2.2
4	Vendor enquired whether the scope is only supply of components	NAL clarified that it is a turnkey project which includes design, fabrication, installation & commissioning (as per tender document chapter 4.0).
5	Vendor requested to share the site layout available for the test rig	Site layout is the responsibility of NAL the same will be shared after placement of P.O
6	Vendor asked for the list of components to be tested on the rig	The purpose of the rig is mentioned in chapter 4, sec 4.2.1. It is a general-purpose rig to cater several types of aircraft LRUs. The vendor shall design, develop and commission the rig as per tender document.
7	<p>Vendor Enquired about the vendor qualification criteria mentioned in chapter 6.0</p> <p>Existing</p> <p>Criteria 1 - Experience and Past Performance:</p> <p>a) The bidder (manufacturer or principal of authorized representative – hereinafter referred simply as 'The Bidder') should have regularly for at least the last 5 years, ending 31st March 2021 of the previous financial</p>	<p>NAL mentioned that chapter 6 will be update, the Updates are highlighted here.</p> <p>Updated</p> <p>Criteria 1 - Experience and Past Performance:</p> <p>a) The bidder (manufacturer or principal of authorized representative – hereinafter referred simply as 'The Bidder') should have regularly for at least the</p>

	<p>year (hereinafter called 'The relevant Date'), manufactured and supplied (/erected/commissioned) "Supply , Installation and Commissioning of Ground Hydraulic System for Aircraft Ground Test Facilities at NAL , premises" with the same or higher specifications having/with Design parameters (hereinafter called 'The Product'). The bidder should submit the manufacturer authorization form as appended in Chapter-8 and</p> <p>b) 'The bidder' should have manufactured and supplied (/erected/commissioned) at least 5 numbers (herein after referred as 'The Qualifying Quantity') of 'The Product' in at least one of the last five years ending on 'The relevant Date', and out of which</p> <p>c) At least 2 or of similar version/model of 'The product'. /Test Rig should be in successful operation for at least 5 years on the date of bid opening.</p> <p><u>Criteria 2 - Capability- Equipment & manufacturing Facilities:</u></p> <p>'The bidder' must have an annual capacity to manufacture and supply (/erected/ commissioned) at least 5 (The Qualifying Quantity)</p>	<p>last 5 years, ending 31st March 2021 of the previous financial year (hereinafter called 'The relevant Date'), Designed, manufactured and supplied (/erected/commissioned) "Ground Hydraulic System for Aircraft/Ground Test Facilities" with the same or similar specifications/Design parameters (hereinafter called 'The Product'). The bidder should submit the manufacturer authorization form as appended in Chapter-8 and</p> <p>b) 'The bidder' should have manufactured and supplied (/erected/commissioned) at least 3 numbers (herein after referred as 'The Qualifying Quantity') of 'The Product' in at least one of the last five years ending on 'The relevant Date', and out of which</p> <p>c) i) At least 1 or more numbers of similar version/model of 'The product'. /Test Rig should be in successful operation for at least 5 years or ii) successfully completed its intended purpose along with customer feedback on the date of bid opening.</p> <p><u>Criteria 2 - Capability- Equipment & manufacturing Facilities:</u></p> <p>'The bidder' must have an annual capacity to manufacture and supply (/erected/commissioned) at least 2 (The Qualifying Quantity) systems.</p>
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 Signature of IO & PL

**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**

COMMERCIAL QUERIES & CLARIFICATION

Tender No. : NAL/PUR/STTD/055/20-Z
Item Description : Procurement of Ground Hydraulic System for Iron Bird Facility.

Tender Chapter-5	Query / Clarification Sought	Clarification/Amendment
Price Schedule Forms/BoQ	Supplier enquired about BoQ format mentioned in Chapter 5.0, as it is mentioned as price-schedule-For Goods being offered from ABROAD	Bidders to read as price-schedule-For Goods being ordered from INDIA, as it is a typo error.

12/12/21
Sr. Controller of Stores & Purchase
For and on behalf of CSIR

वरिष्ठ भंडार एवं क्रय नियंत्रक
Sr. Controller of Stores & Purchase
सीएसआईआर-राष्ट्रीय वायुनौतिक प्रयोगशालाएं
CSIR-National Aerospace Laboratories
एचएएल एयरपोर्ट रोड कोडिहल्ली/HAL Airport Road, Kodihalli
बेंगलूरु/Bengaluru-560 017