

File No.: NAL/PUR/ACD/153/22-Z(S)
Tender Id: 2023_CSIR_177622_1

Date: 29th Dec 2023

Proceedings of the pre-bid conference held on 29th December 2023 through WebEx towards Procurement of Metal Tools for In-board (I/B) and Out-board (O/B) Wing Top Skin of SARAS Mk II Aircraft

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

Sl. No.	Name & Designation	Role
1	Dr. Giresh Kumar Singh Chief Scientist	Chairman
2	Dr. C.N. Sathyanarayana Chief Scientist	Member
3	Mr. Ramaswamy Setty J Chief Scientist	Member
4	Mr. Dilip Kumar Sahu Sr. Technical Officer-3	Member
5	Mr. Vineet Kumar Chief Scientist	PD-SARAS Member
6	Mr. Gaddikeri Kotresh Chief Scientist	Project Leader (TTL)
7	Mr. Satish S. Nimbhal Sr. Principal Scientist	Specialist Member
8	Dr. Kundan Kumar Verma Principal Scientist	Member - Convener (TSC)
9	COA or his/her representative	Member
10	COFA or his/her representative	Member
11	CoSP or his representative	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. The Indenting Officer to read out the clarification sought by the bidders and the replied there to as detailed in **Annexure-II (Part A: Technical Clarification and Part B: Commercial Clarification, if any)**.

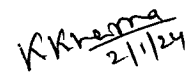
The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the CPP portal/website of CSIR-NAL and all prospective bidders are required to take cognizance of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


CoSP
Convener-TPC


CoFA
Member-Finance & Accounts

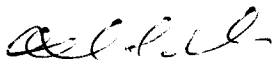
AO
Member- Admin


Kundan Kumar Verma
IO/Convener (TSC)



J. Ramaswamy Setty
Member


Dilip Kumar Sahu
Member


Satish S. Nimbhal
Specialist Member


Kotresh M Gaddikeri
Project Leader (TTL)


Vineet Kumar
Member


Dr. G. K. Singh
Chairman-T&PC

Pre-bid conference attendance sheet- T&PC members




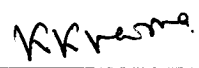
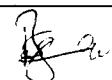
Tender ID: 2023_CSIR_177622_1

Tender No.: NAL/PUR/ACD/153/23-Z(S)

Date: 29th Dec 2023

Time: 11:00AM

Pre-bid conference for supply of metal tools for inboard & outboard wing top skin of SARAS Mk II aircraft

Sl. No.	Name	Role	Signature
1.	Dr. G.K. Singh	Chairman	
2.	Dr. C.N. Sathyanarayana	Alt Chairman & Member	—
3.	Mr. J. Ramaswamy Setty	Member	—
4.	Mr. Dilip Kumar Sahu	Member	
5.	Mr. Vineet Kumar	PD-SARAS	—
6.	Mr. Satish S Nimbal	Specialist Member	
7.	Mr. Kotresh M Gaddikeri	Specialist Member & TTL	
8.	Dr. Kundan Kumar Verma	Member, Convenor-TSC	
9.	CoFA or his/her representative	Member	
10.	CoA or his/her representative	Member	
11.	CoSP or his/her representative	Convenor (T&PC)	

Annexure-I

Pre-bid conference online participant's attendance sheet

Tender ID: 2023_CSIR_177622_1

Tender No.: NAT/PUR/ACD/153/23-Z(S)

Date: 29th Dec 2023

Time: 11:00PM

Pre-bid conference for supply of metal tools for inboard & outboard wing top skin of SARAS MkII aircraft

Meeting start time	Meeting end time	Name	Attendee email	Join time	Leave time	Attendance duration
2023-12-29 10:55:55	2023-12-29 12:07:47	Advanced Composites Division	mjaugustin@nal.res.in	2023-12-29 10:59:38	2023-12-29 12:07:52	69 mins
2023-12-29 10:55:55	2023-12-29 12:07:47	CV Reddy@SVAPL	svapli@yahoo.com	2023-12-29 11:01:51	2023-12-29 12:07:28	66 mins
2023-12-29 10:55:55	2023-12-29 12:07:47	Dhananjaya G Navada	aero.operations@cadmaxx.com	2023-12-29 11:03:22	2023-12-29 12:07:52	65 mins
2023-12-29 10:55:55	2023-12-29 12:07:47	Dr. Vijaykumar Hiremath	vijay.hiremath@cadmaxx.com	2023-12-29 11:02:32	2023-12-29 12:07:12	65 mins
2023-12-29 10:55:55	2023-12-29 12:07:47	TEJAS S HEGDE	aero.bdm@cadmaxx.com	2023-12-29 10:59:38	2023-12-29 12:07:25	68 mins
2023-12-29 10:55:55	2023-12-29 12:07:47	Gopalan Aerospace	surya.m@gopalan.aerospace.com	2023-12-29 11:05:30	2023-12-29 12:07:24	62 mins
2023-12-29 10:55:55	2023-12-29 12:07:47	Pushparaj	sales@yogashri.net	2023-12-29 11:06:31	2023-12-29 12:07:21	61 mins

KK Verma
27/12/23
Kundhan Kumar Verma
I/O & Convener

Kotresh M Gaddikeri
Project Leader (TTL)

**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**

TECHNICAL QUERIES & CLARIFICATION

Tender Id : 2023_CSIR_177622_1
Tender No. : NAL/PUR/ACD/153/23-Z(S)
Item Description : Supply of Metal Tools for In-board (I/B) and Out-board (O/B)
Wing Top Skin of SARAS Mk II Aircraft
Pre-bid meeting date : 29th December 2023 at 11:00AM by hybrid mode

Sl. No.	Query / Clarification Sought	Clarification/Amendment
Clarification		
1	<p>Clause No.: 4.2. Bill of materials</p> <p>i. Bidder asked if 8mm sheets can be used for back-up structure against Item No.: 1.6 to 1.19 of Table-2 & Item No.: 1.6 to 1.17 of Table-3</p> <p>4.2. Different sectional views</p> <p>ii. Bidder asked for more sectional views along length</p> <p>4.2.1 iv Number of joints in contour face sheet</p> <p>iii. Bidder asked if 3 nos. of sheets can be used in contour region</p>	<p>i. It was clarified that designed thickness is selected based on autoclave heating and uniformity. Changing thickness will result in more thermal mass hence, thickness specified in tender document to be maintained.</p> <p>ii. It was clarified that sufficient views are provided in chapter-4, however, three more sectional view for inboard tool, is provided for better understanding. Please see Figure 1 below.</p> <p>iii. It was clarified that ONLY in INBOARD tool (Ref. Sl. No.-1 of Table No.-1) maximum of 2 sheets can be used in contour region, provided defect free welding is done at the joint and the joint is vacuum leak proof as per test method specified in the clause no. 4.2.1-viii & 4.4.5.1. Further, surface continuity to be ensured and no steps to be permitted. OUTBOARD tool (Ref. Sl. No.-2 of Table No.-1) contour to be manufactured using SINGLE face sheet.</p>
Amendment		
NIL		

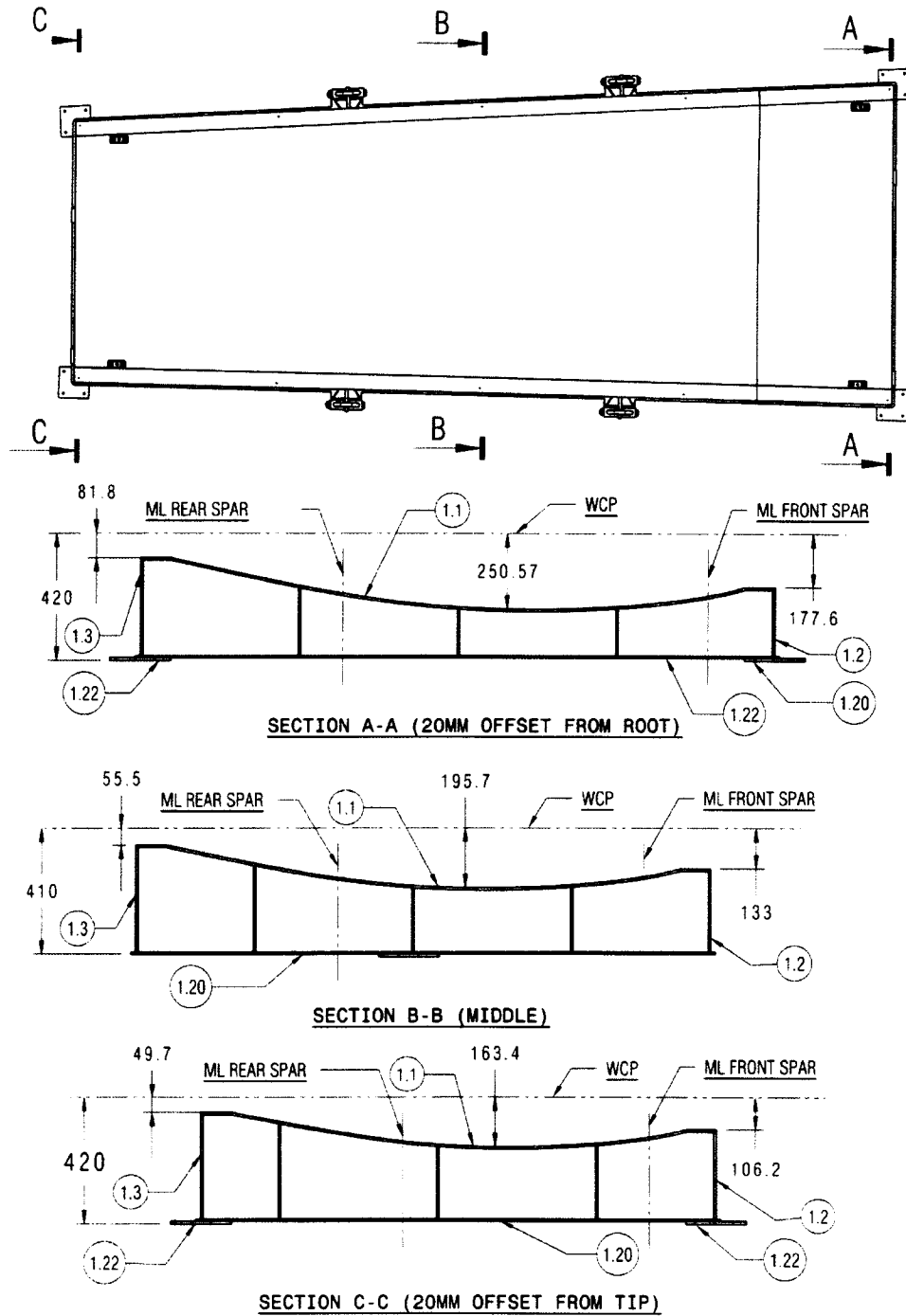


Figure 1: Different sectional view of inboard top skin tool

K. K. Verma
 Kundan Kumar Verma
 I/O & Convener

Kotresh M Gaddikeri
 Kotresh M Gaddikeri
 Project Leader & TTL

**CSIR-NATIONAL AEROSPACE LABORATORIES
BENGALURU**


TECHNICAL QUERIES & CLARIFICATION

Tender Id : 2023_CSIR_177622_1

Tender No. : NAL/PUR/ACD/153/23

Item Description : Procurement of metal tools for In-board and out-board wing top skin of SARAS MKII Aircraft.

Sl. No.	Query / Clarification Sought	Clarification/Amendment
----- NIL -----		


Controller of Stores & Purchase
For and behalf of CSIR