

CSIR-NATIONAL AEROSPACE LABORATORIES
Knowledge & Technology Management Division (KTMD)
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12 January, 2022

Dear Sir/Madam,

Sub: Request for Quotations for NAL stall design and fabrication on turnkey basis in WINGS INDIA 2022 to be held at from 24-27 March, 2022

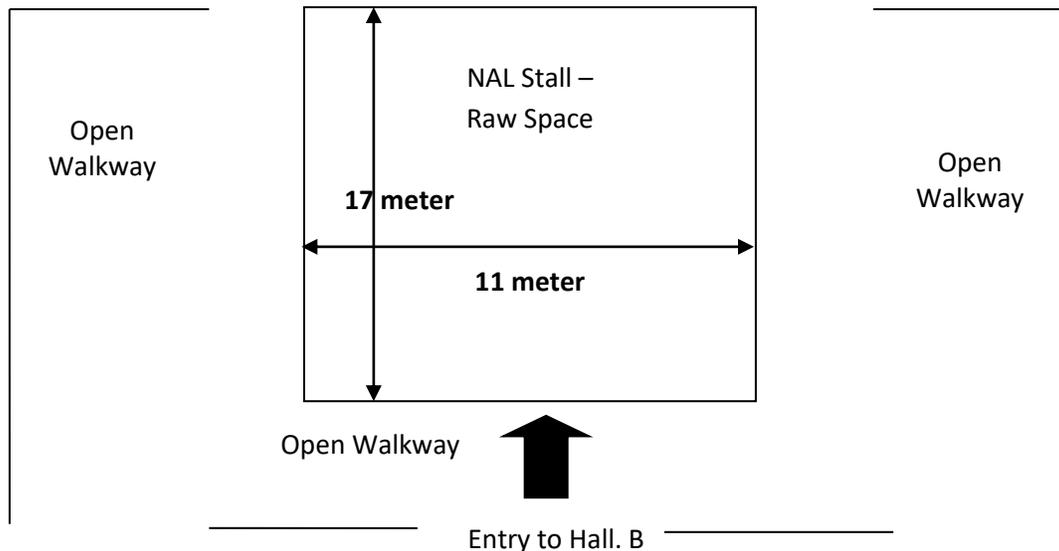
Note: RFQ to be submitted in Two Bid system

- (i) **Technical Bid:** Design Bid with Technical Specification
- (ii) **Commercial Bid:** ONLY SHORTLISTED DESIGNS WILL BE REQUESTED FOR SUBMITTING THE PRICE BID

In the design bid **DO NOT SUBMIT THE PRICE ESTIMATES**. Last date to submit **DESIGN BIDS** at CSIR-NAL, Bangalore is 4th February 2022 (on or before 05.00 pm) by e-mail to: sjana@nal.res.in, vasant71@nal.res.in, asrsekar@nal.res.in, (soft copy is preferred in PDF or JPEG in view of prevailing Covid Pandemic conditions).

General Information

- NAL stall is located in Hall B (Copy of Exhibition Floor Plan attached with NAL space indicated in yellow shade)
- NAL has raw indoor space of 187 sq mt



- NAL stall has opening on three sides as shown in the figure
- List of exhibits to be displayed are given below

WORK SCOPE

- Conceptualizing, designing, drafting and construction of theme based exhibition pavilion - Designer Pavilion with Wooden Construction.
- **Design should be creative with new concepts.** It should be free from any imitation and infringements third party intellectual property of rights.
- Fabrication and installation of customer specific stand designs.
- To provide Graphics, Focus Lighting, Signage, Vinyl cuttings, Wooden flooring, Electrical points, etc. complete as per RFQ.

Details

The stall design will include the following:

Display podiums (low height – 20 inches) should have electrical connections (5amp/15 amp) and display boards (acrylic) of appropriate size (A4) for exhibits.

Sample podiums for reference



A. PRODUCTS TO BE DISPLAYED ON PODIUMS

- 1) Display podium size – 2.5 ft (width) x 3 ft (length) = 10 nos.
 - 1A exhibit - eVTOL
 - 2A exhibit - Hexacopter
 - 3A exhibit - Octacopter
 - 4A exhibit - MZHB
 - 5A exhibit- Carbon Fiber & Prepreg
 - 6A exhibit - Eco-friendly process for Al alloy
 - 7A Exhibit - Thermal insulation paint

All above exhibits need power points (5/15 amp) & plug points – 15 nos. in total

1A exhibit – eVTOL (podium height – 20 inches)



2A Exhibit – Hexacopter (podium height – 20 inches)



3A Octacopter - (podium height 20 inches)



4A MZHB – (podium height 20 inches)



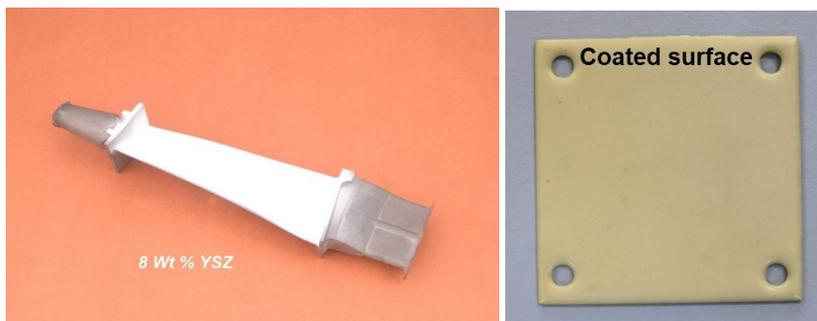
5A Carbon Fiber & Prepreg



6A Eco-friendly process for aircraft Al- alloy

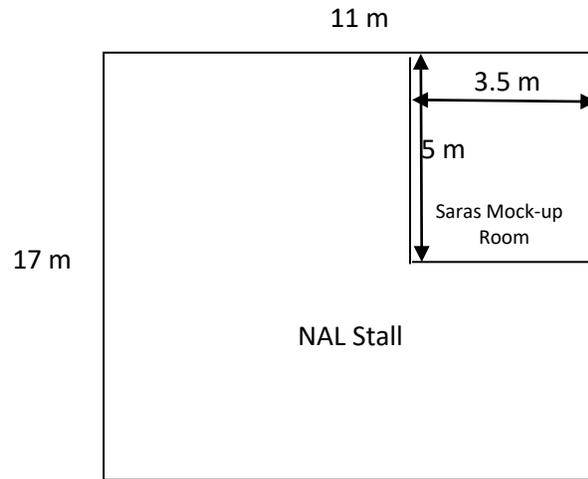


7A Thermal Insulation Paint for Aerospace



B. COVERED SPACE FOR SARAS MK2 VIRTUAL MOCKUP DEMONSTRATION

- Covered space of 3.5 m x 5 m at back-end corner of the stall
- Covered space (all 4 side wall) with entrance/entry of 6 feet with door consisting of two shutters
- Internal wall black/grey painting
- Lights, power points and plug points 5 nos.(5A/15 A) along with 1 pedestal fan
- Top covering at 10 feet with black cloth
- Floor (3.5 m x 5 m) with strong floor to withstand heavy loads (upto 200 kg)
- One 85 inches LED smart TV capable of playing USB Pen drive
- Tables standard octonorm tables – 3 nos.
- Single seat leather sofa – 6 nos.



C. PRODUCTS TO BE DISPLAYED ON FLOOR

1) Location for Aircraft Models



RTA



SARAS MKII



HANSA

2) Location for e -HANSA Full-scale Mock-up – **MAJOR ATTRACTION**

- Dimension of space – 20 ft x 10 ft
- Weight of the model – 500 kg
- Lights, power points and plug points - 10 nos. (5A/15 A)
- Shall be strategically located facing main entrance of the exhibition hall
- Floor carpet for this area shall be of contrast colour of the flooring of the stall



Side View

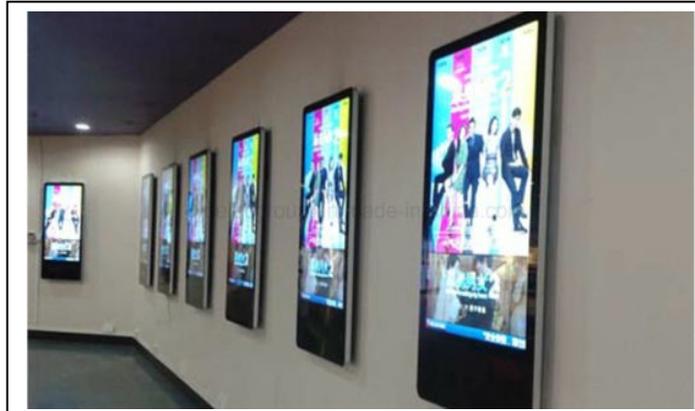


Front View

D. OTHER REQUIREMENTS

- 1) DIGITAL VERTICAL LED screen 65 inches (**8 nos.**) wall fixing and CONCEALED WITH THE WALL and auto-play with USB. The screen should be capable of playing videos/interface from pen drive/USB.

Sample Vertical LED screen



- 2) Reception table with two chairs and brochure stand of 5-7 compartments
- 3) **One Receptionist & One helper for all 4 days**
- 4) Two discussion table with six chairs
- 5) Fabricating **CONFERENCE ROOM of suitable size (min. area 180 sft, may be 12 ft x 15 ft)** with one horizontal LED screen (65 inches), 3+2+2 high quality sofa, side glass tables-2, center big glass table-1 of high quality, brochure stand, Glass door 3 feet width, power points for laptop etc., complete
- 6) Fabricating **STORE ROOM AND PANTRY of suitable size** including supply of following
 - (a) Coffee vending machine including refills /consumables with disposable cups (approx. to make 100 cups per day)
 - (b) Mini refrigerator, and
 - (c) Water dispenser with RO filtered water-can and disposable cups.
- 7) Provide Graphics, Lighting, Signage and Vinyl cutting for fascia, focus lights for models etc. complete as required for the stall
- 8) **Wooden platform** capable of withstanding heavy weights with contrast colour wooden flooring as per your design
- 9) **Stanchion tape** barrier with stand for covering **entire stall** opening sides to prevent crowd
- 10) Backlit Poster (**TRANSLIT FILM QUALITY**) of required numbers (approximately 3 nos. of size 5ft x 8ft, and 5 nos. of size 3 feet x 5 feet) and at the desired location. The backlit posters may be **flush with the wall** as shown in the following figure.

Sample for backlit poster arrangement



QUOTATION IN TWO BID SYSTEM

- Firms are requested to quote for design and fabrication on **TURNKEY BASIS**. Firms may submit 2-3 design options
- After shortlisting of designs by the Committee, NAL will request the short listed firms for the final cost/quote which shall include all levies and taxes (GST). The TDS will be deducted as per the existing rules while making payment.
- **CSIR-NAL will not pay/reimburse any security deposit paid by the vendor to the organizers such as FICCI or MoCA or service provider.** The quoted rate should be for the final fabrication and installation at Begumpet Airport, Hyderabad including transportation, labour, materials etc. complete in all respect.
- The quotation shall also include contractor pass charges and temporary electrical charges for fabrication of stall before the starting of the event.
- **CSIR-NAL being the government organization NO ADVANCE PAYMENT request is considered and quotes with advance payment terms will be rejected**
- Stand design should be innovative and of international standards
- Complete solution to stand construction, lighting, signages, stall name, flooring, interiors etc.,
- Cost effective and high quality construction & Quality checks on materials and workmanship
- **Delivery of the fabricated stall by 3 pm on 22nd March 2022 at Begumpet Airport, Hyderabad**

Note

- The organizational Committee reserve the right to accept or reject any or all the quotations without assigning any reason. The organization also reserves the right to cancel the whole quotation process
- For more details and any clarifications, please contact Event Coordinators **Mr.Vasant Pilare (Ph # 080 25086132 or Mob # 8792778249)** or **Mr Rajashekar (Ph# 080 25086194 or Mob # 9448715361)** or **Mr.Chari (Ph# 080-25086135, 9886341031)**

With regards,



A S Rajasekar
PTO & Convener, Stall Design Committee
