

Scope of work for Director Video Conference Hall at LPSCB:

Scope of work is defined in three parts:

- I) Supply, installation, commissioning, testing & demonstration of video conferencing facility with
 - a) LED Video Wall Display of dimension 3.6 mts x 1.36 mts with complete floor mounting support. Dimension details of the wall and room arrangement are given in drg 1&2 below.
 - b) LED Video wall controller with built-in wall management software and with presets/layouts as given in specification.
 - c) Audio system comprising microphones, speakers, power amplifiers and digital automatic audio processors.
 - d) Cables, connectors, Switchers and accessories.
- II) Comprehensive SMC support for 3 years beyond 3 years warranty. Details in Annexure -1A&1B
- III) Operational support for 6 years period. Details in Annexure -1A&1B

Part-1:

Supply of deliverables, installation, commissioning, testing and demonstration of video conferencing facility and making VC hall functionally operational. Under this deliverables to be supplied are as listed below.

(i) Deliverables:

Sl. No	Item	Qty.
1	Indoor LED wall	1 No.
2	LED wall controller/Processor	1 No.
3	Table top AVB Beamtracking Microphone	3 Nos.
4	Table top Expansion AVB Beamtracking Microphone	3 Nos.
5	In-Ceiling, Indoor 6.5" Coaxial Loud Speaker	6 Nos.
6	4 channel Power amplifier	2 Nos.
7	Audio DSP solution with 12 analog AEC inputs and 8 analog outputs	1 Nos.
8	AVB Enabled network switch 24 Ports	2 Nos.
9	PoE AVB/USB Expander	2 Nos.
10	8X8 HDMI Matrix switcher	1 No.
11	Touch Enabled Control Pad	1 No.
12	Wireless presentation system	1 No.
13	1*4 HDMI Distribution Amplifier	2 Nos.
14	Chairman monitor with height adjustable floor mount stand	2 Nos.
15	2X1 USB Switch	1 No.
16	Display port (Male) to HDMI (Female) Adapter / Adapter cable	5 nos.
17	Mini Display Port (Male) to HDMI (Female) Adapter / Adapter cable	5 nos.
18	USB Type-C (Male) to HDMI (Female) Adapter / Adapter cable	5 nos.
19	Cables and accessories	1 lot

(ii) Installation:

Installation and commissioning have to be carried out as per LPSC's requirements and the connectivity to the existing systems/facilities has to be carried out by the supplier. All necessary audio/video cables, connectors, converters, consumables, and other accessories required for the installation and integration with existing facility has to be supplied.

Part-2:

Comprehensive AMC support for 3 years and beyond 3 years warranty for the entire VC system setup covering video wall, video wall controller, wall management software and associated audio video equipments.

- i) **Warranty:** - All the items shall have a warranty period of three years from the date of acceptance of the systems.
- ii) Authorization certificate from the OEM stating back-to-back onsite comprehensive warranty support for 3 years and support for spares should be submitted. The warranty certificate shall be submitted at the time of commissioning the facility. In case the OEM provides more than three years of comprehensive warranty support, the same shall be passed on to LPSC.
- iii) **Comprehensive AMC:-** Rates for the next 3 years after the completion of the warranty period shall be quoted explicitly
- iv) **Updates/renewal of licenses:** For all the licensed products, required licenses shall be submitted with appropriate authorization. Updates/renewal of such licenses during warranty & SMC periods will be the responsibility of the vendor.

Part-3:

- i) For the operational support of the Video conferencing hall, Vendor should deploy one ITI (Electronics) technician at LPSC Bangalore campus for the six years period for the operation and maintenance of video conferencing facility on day today basis.
- ii) Operational support to be deployed, after completion of installation and making the facility fully operational.
- iii) Commencement date of operational support shall start after installation and acceptance by LPSC stating the facility is fully operational.

Terms and conditions:

1. The make and model no. of all items quoted should be explicitly specified by the Vendor along with their offer. OEM authorisation certificate, Catalog/datasheet of quoted items should be included along with the bid. Make and Model no. of each item are to be given in respective column in unpriced BOM. Technical data sheet/literature highlighting the compliance to specifications is to be submitted. Technical compliance sheet with just 'Yes/Complied' without supporting datasheet/document will not be valid.
2. If there is any additional hardware required to meet the tendered specifications, it shall be separately mentioned in the technical compliance table. Also the details of the additional cost if there are any, shall be quoted separately.
3. Vendor shall provide the exact specification of the supplied item against each

specification given in the compliance statement along with Yes/No. If exact specifications are not provided in the compliance matrix, the offer from party will not be considered.

4. The complete solution should work in an integrated fashion with existing VCsystem and camera.
5. Training on facility operation should be given to LPSC officials, including hands on sessions
6. The system integration document with all installation details and the operation manual for the user need to be provided at the time of commissioning of the system.
7. Criteria for evaluation of the offers is based on compliance with respect to techno-commercial specification for the entire scope of work and the total cost i.e., cost of supplies including commissioning, Comprehensive SMC for a period of 3 years beyond 3 year warranty and operational support for 6 years.
8. Vendor shall provide their previous 3 years of similar supply credentials with ISRO and other reputed organisations in a detailed list, along with copies of purchase orders and completion certificate.
9. Vendor should submit offer for all the items. Part or partial offer will not be considered.
10. The party shall be ready for a demonstration of the sample product at LPSC at the time of technical evaluation if requested. A confirmation for this demonstration has to be included in the technical offer.
11. **Make in India (MII):-** The MII content of the items quoted in percentage of total value and the location at which the value addition is made should be specified by the suppliers along with the offer. A minimum of 20% MII content is required for the total items quoted.
12. **Delivery period:** 2 months for delivery. Four to six weeks for installation.
13. As the scope of work involves installation and configuration of audio/video equipments in a conference hall, splitting of the Purchase Order to multiple parties shall not be carried out.
14. The complete scope of work is defined in the Tender document. Only those Vendors who undertake total responsibility for the complete scope of work including resident technical service personnel support and CAMC as defined in the Tender document shall be considered for evaluation.
15. Prebid meeting will be conducted by LPSC .Details are as per Annexure-1C

16. ELIGIBILITY CRITERIA FOR BIDDING:

- 16.1. The proposal should be for the complete solution as per the scope of the tender. Please note that the requirement in this tender is non-divisible in nature.
- 16.2. Only the bids of Vendors who have attended the pre-bid meeting will be opened for tender evaluation .Regarding Vendors who are desirous to conduct site visit, it can be arranged after the pre-bid meeting as mentioned in tender at LPSC, Bengaluru on a date after tender release.
- 16.3. Vendor shall submit authentic documentary evidence in support of the eligibility requirements and all the technical compliances. Bids that are not accompanied by such documents shall not be considered for further processing.

Annexure -1C

1. PRE-BID MEETING

- 1.1. A Pre-Bid Meeting is scheduled in online mode prior to the tender due date, so that all necessary clarifications requirements from Service Providers can be addressed. Participation in online Pre-Bid Meeting is mandatory for all Service Providers. Subsequent to online Pre-Bid meeting any clarification requirement from Service Provider will not be considered. Offers from Vendors who have not participated in the online Pre-Bid Meeting will not be considered.
- 1.2. Any clarification on work/activities can be clarified during online Pre-Bid Meeting.

2. PROCEDURE FOR PARTICIPATION IN ONLINE PRE-BID MEETING:

- 2.1. The proposed online Pre-Bid meeting will be conducted through Bluejeans / cisco/app/web.
- 2.2. All the prospective Service Providers need to mail to LPSC(B) Purchase intimating their willingness to participate in the online Pre-Bid meeting along with Authorization letter for participation on enterprises letter head. The request for participating in the online Pre-Bid meeting can be sent to LPSCB Purchase up to two hours prior to the start of online Pre-Bid meeting.
- 2.3. Request received by Service Providers to participate in the online Pre-Bid meeting after the prescribed time (of two hours prior to the start of online Pre-Bid meeting) will not be considered.
- 2.4. LPSCB Purchase will authorize the Service Providers who have requested for participation in online Pre-Bid meeting by providing the link and login credentials through mail.
- 2.5. On receipt of link and login credentials for joining online Pre-Bid meeting, the Service Providers are requested to confirm the same to LPSC(B) purchase.
- 2.6. In case any Service Provider who requested for participation in online Pre-Bid meeting (two hours prior to the start of online Pre-Bid meeting) does not receive the link and login credentials through mail, they may kindly contact LPSC(B) Purchase Officer. The details of LPSC(B) Purchase Officer is furnished below:
Mail; purchase@lpscb.gov.in
Ph; 08025037140/141/171
- 2.7. The participating Service Providers should ensure that they are equipped with necessary AV conferencing equipment and stable network connection from their end during the conduct of online Pre-Bid Meeting. LPSC(B) will not be responsible for any issues faced by Service Providers during the conduct of online Pre-Bid Meeting.