



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/3188704
Dated/दिनांक : 25-02-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	11-03-2023 16:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	11-03-2023 16:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Science And Technology
Department Name/विभाग का नाम	Department Of Scientific And Industrial Research (dsir)
Organisation Name/संगठन का नाम	Council Of Scientific And Industrial Research (csir)
Office Name/कार्यालय का नाम	Csir-national Aerospace Laboratories, Bengaluru
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	Interactive Flat Panel Display
BOQ Title/बीओक्यू शीर्षक	RNCAC2K22195
MSE Exemption for Years of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover	No
Startup Exemption for Years of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required	No
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ePBG Detail/ईपीबीजी विवरण

Advisory Bank	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	3.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	38

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable. / ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

DIRECTOR

Csir-national Aerospace Laboratories, Bengaluru, Department of Scientific and Industrial Research (DSIR), Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology
(The Director Csir - Nal)

Splitting/विभाजन

Bid splitting not applied.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

Interactive Flat Panel Display

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Brand Type/ब्रांड का प्रकार	Unbranded
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Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	E Damodara	560017, Old Airport Road, Kodihalli, Bangalore - 560 017,	2	10

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

3. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

4. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Bidders are Strictly informed to submit the Technical Compliance to the Product specifications, DATA Sheet of the product offered, Local Content Certificate & Valid OEM Authorisation Certificate. Failing which the offers will be rejected.

5. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

6. **Warranty**

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

7. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

8. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

9. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

10. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

11. **Generic**

IT equipment shall be IPv6 ready from day one.

12. **Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

13. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

14. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

15. **Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy,Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

16. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

17. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

18. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

Annexure -1**SPECIFICATIONS OF INTERACTIVE FLAT PANEL DISPLAY**

Sl. No.	Parameter	Specifications
1	Back Light Type and Panel Technology	Direct LED and IPS
2	Display Panel Diagonal size (mm)	86"
3	Display Ratio	16:09
4	Resolution	3840 x 2160
5	Display Colour	1.07 Billion
6	Brightness	≥450 cd/m ² or more
7	Screen Orientation	Landscape
8	Viewing Angle	178 ° or better viewing angle
9	Response Time	Up to 8ms
10	Lifetime	50,000 hours or more
11	Contrast Ratio	Static:- 1200:1 Dynamic:- 30000:1
Touch Interactive Display - Audio System		
12	Speakers	in-built with the display
13	No. Of speakers and Max.Power Output	Touch Interactive Display shall have minimum of 2 speakers with the power of each speaker at 20 Watts or above
14	Speaker Position	Seamlessly integrated & in-built with the display. Front facing, Forward through
Touch Interactive Display - Touch Technology		
15	Deployment of Touch Technology	Advanced Infrared
16	Thickness of the touch glass	4mm Toughened Glass
17	Surface technology	Anti-Glare
18	Surface Treatment	9H or more
19	Touch accuracy	1mm
20	Touch Sensor	Infrared or Capacitive
21	Touch Points	Must have a touch capability of minimum 20 points in windows and 20 points in android
22	Writing Tool	Shall support the use of Stylus Pen and Finger
Touch Interactive Display - Connectivity Ports		
23	Front Interface	HDMI IN*1, USB Touch*1, USB3.0*3 (all systems are 3,0)
24	Inputs	HDMI IN*2, DP IN*1, Type C*1, VGA*1, VGA Audio IN*1, AV IN*1, YPbPr IN*1, USB2.0*1, Public USB3.0*1, Camera USB3.0*1, USB Touch*1, LAN IN*1
25	Outputs	SPDIF OUT*1, LAN OUT*1,
26	Other	RS232*1

Smart System(Android)		
27	CPU	Quad-core A73+A53 1.5GHz or Better
28	GPU	Quad-Core MaliG51 or Better
29	Android version	Android 8.0 or more
30	Inbuilt WiFi	Dual WIFI (5G & 2.4G), Dual Hotspot (5G & 2.4G) BT5.0
31	RAM	4GB or more
32	ROM	32GB or more
Inbuilt Software		
33	Built-in Software:	Whiteboard, File Manager, Screen Mirroring, Chrome, Google Playstore, YouTube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Note, Vote, Screen recording,Bluetooth.Blue light filter
34	Wireless Sharing	Product should support wireless sharing with dedicated application and It should supports Miracast, Apple Airplay with 4 split screen feature
35	Split Screen	Two application can be operated and viewed at a time by using split screen feature
36	Writing Software	Product should have in built white board writing software with <ul style="list-style-type: none"> ● Hand Writing Recognition ● Object Recognition ● Multiple pages access ● 4xSplit screen ● White board sharing through QR code and Email(SMTP and POP feature) ● Customizable Background ● Produces different effects according to the diameter and size of the input objects. ● Fist/palm: identified as an eraser (100 pt). ● Fine Pen (3mm): suggested to use while writing. ● Thick Pen (≥ 8 mm)/ finger: suggested to use when you want to highlight
Touch Interactive Display - System Safety		
37	Mounting Capabilities	Display must have facility to mount on floor stand or wall brackets, It should be supplied with Floor mount trolley in the accessories

38	Floor mount trolley	Metal powder coated steel, Rugged and sturdy design with caster wheels and supports 47" to 120" displays support vesa of 900x400 mm , maximum load of 120 kgs and also includes camera mount and shelf to place PC/Laptops
39	Certification	Proposed Product must have CE, FCC, RoHS and BIS certification. Submission of these Certifications as Proof.
40	Provision for camera on top of the display	It comes with dedicated camera mount provision with USB 3.0 connectivity on top of the display
41	Provision of OPS slot	Interactive display must have OPS slot for PC applications
42	OPS	It should be supplied with inbuilt OPS of i5, 8GB RAM and 256GB Storage inbuilt in it and It should have USB2.0 x 2 ports, USB3.0 x 4 ports, DPout x 1 port, HDMI out x1 port.
43	Suitable wall mount kit with accessories	Equipment has to be supplied with suitable wall mount kit and accessories
44	Storage Temperature/Humidity	-10°C~45°C/5%~90%
45	Power consumption	400W or less
46	Warranty	5 Years

SPECIFICATIONS OF VIDEO CONFERENCING CAMERA

Sl. No.	Parameter	Specifications
1	Sensor	The camera sensor should be 1/2.8 inch high quality 2MP HD CMOS sensor or better.
2	White Balance	The camera should have an Option of Auto or Manual White Balance.
3	Gain	The camera should have an auto Gain Control
4	Back Light Compensation	The camera should have a selectable Back-light compensation
5	Noise Reduction	2D & 3D or better
6	S/N ratio	The camera should have a S/N Ratio of >55db.
7	Zoom	The camera should have a 12x optical zoom and 16xdigital zoom or better
8	Interface	The camera should have a standard Video Output and should support HDMI/DVI Port so that Camera can be integrated with standard End Points and USB Type-C 3.0 will be utilized for software video conferencing application
9	RJ-45	It should have atleast 1 RJ-45 Port for IP Camera functions.
10	Signal Support	The camera should support 1080p@60fps
11	Control Port	The camera should have an RS 232 port for Communication
12	Presets	The camera should have at least 150 Position Presets
13	Field Of View	The camera should have 72.5 Degree or better field of view
14	Pan Range	The camera should have a Pan Rotation Angle of -170 degrees to +170 Degrees or better
15	Tilt Range	The camera should have a Tilt Rotation Angle of -30 degrees to + 90 degrees or better
16	Accessory	The camera should be supplied with IR remote control as an included accessory.
17	Certifications	It should have CE,FCC,RoHS Certification
18	Preset Buttons	It sould comes with the 16 Wireless preset buttons
19	Required FOV	The camera should have 72.5 Degree or better field of view
20	RJ 45	It should have atleast 1 RJ-45 Port for IP Camera functions.
21	Certifications	It should have CE,FCC,RoHS Certification

SPECIFICATIONS OF LOOK AT ME CONTROLLER

Sl. No.	Parameter	Specifications
1	Push Buttons	Min 16 No's (Wireless)
2	Interface	RS-485 for mainframe connection (VISCA control)
4	Baud Rate	Should support baudrates of 1200, 2400, 4800, 9600, 19200bps or more
5	PTZ Controller	Four-dimensional vector variable speed controller with unique Control capabilities, Flexible control over the full range of motion and control PTZ camera focus zoom and aperture
6	Panel features	Adjusts Pan/Tilt/Zoom/Focus, Iris with Rated Joystick & Switches.
7	Preset Control	Up to 60 preset for Peoplelink camera and lens positions can be programmed for immediate recall.
8	Display	Devices have LCD display to show the camera status details like monitor number, camera number, recorder number and operating status.
9	Communication distance	Wired:- Max.1200mtr (Twisted-pair cable)
		Wireless: - Max. 18mtr
10	Connectivity for Push button	Connection through wireless(Through RF).
11	Certification	It should have CE, FCC & ROHS Certified. Proofs to be submitted.

SPECIFICATIONS OF WIRELESS MICROPHONE SYSTEM

Sl. No.	Parameter	Specifications
1	System Components	It should come up with Audio Conference microphone and Wireless Receiver.
2	Audio Interface	It should have USB port or better for charging.
3	LED Indicator	It should have LED indicator for battery status for charging.
4	Output Port	It should have 6.3mm Stereo Output Port.
5	Modulation	It should have bandwidth Efficient Modulation Format.
6	Sensitivity	It should support -38 dB 94dB sensitivity or better.
7	Microphone coverage	Should have a Coverage range of 360-degree or better.
8	Audio bandwidth	Should have audio bandwidth of 100-16KHz or better.
9	Noise level	Should have a Noise level of < 65dB
10	Pickup	Should have an Audio Pickup of Up to 10 ft radial or better.
11	AEC	Should have an Acoustic Echo Cancellation of > 40dB or better.
12	Audio Features	Should have Automatic Echo Cancellation, Automatic Gain Control, Automatic Noise reduction, Automatic Non Linear Processing, Automatic Level Control, Automatic Microphone Equalizer.
13	Humidity	It should support Non- Operating humidity (Non Condensation) of 20-85% or better.
14	Cascading	It should supplied with 4 microphone units
15	Audio Features	Should have Automatic Echo Cancellation, Automatic Gain Control, Automatic Noise reduction, Automatic Non Linear Processing, Automatic Level Control, Automatic Microphone Equalizer.

SPECIFICATIONS FOR SPEAKER BAR

Sl. No.	Parameter	Specifications
1	Type	Portable sound bar
2	Channel	The system should have 2 Channel or higher
3	Output power	The system should have output power of 2*20W=40W or higher
4	THD	The system should have thresh hold of ≤10%
5	Frequency Response	It should be frequency bandwidth- 20Hz-16kHz
6	S/N	It should have SPL of ≥80db or higher
7	Speaker Driver	The system should be have driver size of 2"x4 or higher
8	Impedance	It should have impedance of 4ohm 10W or higher
9	Display	It should have LED8 indicating Display
10	Input(function)	It should have USB/TF card/3.5mm/Bluetooth 5.0/optical ports
11	Power	It should have power consumption of AC~110-240V, 50/60Hz
12	Size	jointed together : (W)946*(H)60*(D)60mm split : W473*D60*H60MM
13	Accessories	It should be comes with manual, remote control, 1.5M Audio cable, Adaptor, wall mount screw, Stand pad, 1.5M Left and right connect cable ,60mm left and right connect cable

SPECIFICATIONS FOR WIRELESS PRESENTATION DEVICE

Sl. No.	Parameter	Specifications
1	Video Outputs	HDMI 1.4, comply with HDCP
2	Output Resolution	1920 x 1080 (1080p)
3	Audio	Stereo, Radio quality 16bits 48KHz
4	Wireless	IEEE 802.11ac, 5GHz, 2T2R
5	Support Platform	Windows, MAC, Chrome. Any OS has USB-C with Thunderbolt 3 or USB-C with Display Port Alt Mode (DP version higher or equal than 1.2)
6	InstaShow Button	2

SPECIFICATIONS FOR TROLLEY, WALL-MOUNT,**CABLES, CONNECTORS AND INSTALLATION**

Sl. No.	Parameter	Specifications
1	Trolley	ability to support an 86" display.
2	Wall mount	ability to support an 86" display.
3	Cables and connectors	as required HDMI cable ,USB cable
3.1 HDMI cable		
1	External power	It should not be supplied with an external power adapter for sufficient power supply
2	Connection	Connectivity should be HDMI 2.0 Male to Male
3	HDMI connector	Connector should be Gold plated pins
4	Resolution supported	It must support resolution 4K2K
5	Conductor material	Conductor material should be optical fibre
6	Bandwidth	It should support 18Gbps
7	Support	The cable supports should support ARC (Audio Return Channel), Ethernet, 3D.
8	Plug & Play	It should be Plug and play type; It should not require any drivers. It should be hot swappable.
9	EDID support	Yes
10	CEC Support	Yes
11	HDCP Compliant	Yes
12	Cable length	It should be available in length of 15 mtrs
3.2 USB 3.0 Extension Cable		
1	USB connection	It should have USB3.0 connectivity.
2	Repeater	It should have built-in with one repeater
3	Data Rate	It should have data transfer speed up to 5 Gbps
4	Shield	It should be fully shielded for error free connections
5	Plug & Play	It should be Plug and play type; It should not require any drivers. It should be hot swappable.
6	Compatibility	It should be compatible with PC with Windows 7 / 10 or above
7	Cable length	It should be in length of 15 meters
4	Wireless	IEEE 802.11ac, 5GHz, 2T2R
5	Support Platform	Windows, MAC, Chrome. Any OS has USB-C with Thunderbolt 3 or USB-C with Display Port Alt Mode (DP version higher or equal than 1.2)
6	Installation	should provide full installation and training.

Annexure -2**PRE-QUALIFICATION CRITERIA FOR THE VENDOR**

Sl. No.	Pre-qualification criteria	COMPLIANCE
1	Interactive Flat Panel, Video Conferencing Camera and Complete Audio System OEM should have an Office in Karnataka for immediate support. Valid Document for Office to be submitted on OEM Letter head	
2	Interactive Flat Panel, Video Conferencing Camera and Complete Audio System OEM Must have valid ISO 9001:2015, ISO 27001:2013 and ISO 14001:2015 Certified Company. Related certificate copy is to be submitted.	
3	Interactive Flat Panel, Video Conferencing Camera and Complete Audio System OEM should have established office in India from more than 10 Years. Valid Certificate of incorporation is required to be submitted. OEM should have manufacturing unit/ factory in India. The same should be registered under "Factory Registration" of India.	
4	Manufacturer authorization: Wherever Authorized Distributors / Dealers are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, E-mail Id and Phone No. are required to be furnished along with the tender.	
5	Datasheet of the product(s) offered in the bid, are to be uploaded along with the bid documents.	
6	Dedicated/ toll free Telephone No. for service support, Escalation Matrix for Service support is to be submitted.	
7	Interactive Flat Panel, Video Conferencing Camera and Complete Audio System OEM should have atleast implemented 50 orders for Video conferencing meeting rooms per year in the last 3 years in Education & Govt. sector and functioning satisfactorily. Details such as PO Copy or Appreciation letters required.	
9	Interactive Flat Panel, Video Conferencing Camera and Complete Audio System OEM should have at least 200 employees on its payroll in India. This is to justify that OEM has made investment in India and is serious about its business in India which will ensure long term after sales support and spare support from the OEM.	
10	On Premise Presentation & Proof of Concept needs to be done for the proposed solution before opening of the Financial Bid.	

TERMS & CONDITIONS

Tender No.		
Sr. No.	Approximate weight of the Consignment	Approximate dimensions of the consignment
1		
2	Indian Customs Tariff No. and HSN No. (ICT & HSN No.)	
3	Country of Origin	
4	Percentage of Local Content (Certificate of Local content should be submitted)	
5	Annual Turnover	
6	Type of Supplier	
7	Mode of Shipment By Air / SEA / Road / e-download	
8	Port of Destination	Final Destination
9	Delivery Term (INCO Term), as the case may be	
10	Delivery Schedule including Supply, Installation, Commissioning, Training & Acceptance	
a)	Delivery of the Item [In weeks / Days / Months] from the date of PO / LC / ILC / Advance [Mention the appropriate term]	
	Installation & Commissioning from the date of Delivery of item [In weeks/Days/Months]	
	Training from the date of Installation & Commissioning of item [In weeks/Days/Months]	
	Acceptance from the date of Training [In weeks/Days/Months]	
11	Installation & Commissioning (if any) Quoted Price inclusive or exclusive	
12	Training (if any) Quoted Price inclusive or exclusive	
13	Payment Term	
14	Currency of Bid/Quotation	
15	Statutory Levies [GST/IGST or any other taxes, duties] % of tax to be mentioned.	
16	Bidder GST No.	
17	Bidder Bank Details along with Cancelled cheque	
18	Insurance Coverage	
19	Warranty	

20	Agree to submit Performance Security as per Tender terms and conditions.	
21	Validity of offer as per Tender document	
22	Order to be placed [Full address, Tel #, Fax #, Email Id, Contact Person]	
23	Any other	
24	Total Price quoted as per BoQ/Price Schedule/List of Deliverables exclusive of tax	
25	Total Price quoted as per BoQ/Price Schedule/List of Deliverables inclusive of tax	
26	If country of Origin is Foreign, Bidders may provide the following details, as per GOI Procurement Policies (DIPP Order No.P-45021/2/2017-PP (BE-II).	
	“Self-Certification that the item offered meets the minimum local content (in terms of percentage) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the Make in India Policy, if applicable”.	
Note:	Unit Price indicating currency FOB (named port of shipment or FCA (named place of delivery)	

Tender No.:

**Certificate of Local Content
(to be enclosed along with Bid)**

We M/s. _____ (Name of Bidder) hereby certify that we meet the minimum

Local content for the Goods and services offered vide our offer/bid No. _____ dated

_____ as specified below:

- Class-I Local Supplier with local content of 50% and above
OR
- Class-II Local Supplier with local content of 20% and above but less than 50%
(Tick appropriate category of Local Supplier)

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as local value addition.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

Signed: [insert signature of person whose name and capacity are shown]
In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name: [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, _____ [insert date of signing]

BID-SECURING DECLARATION FORM

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a)	have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
(b)	having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

Note:

- In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.**
- Bid Security declaration must be signed in by the Proprietor/CEO/MD or equivalent level of Officer of the company.**