

भारत सरकार  
अंतरिक्ष विभाग (अं.वि.)  
समानव अंतरिक्ष उड़ान केंद्र  
बैंगलुरु - 56009  
क्रय एवं भंडार



GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE (DOS)  
HUMAN SPACE FLIGHT CENTRE  
BENGALURU-560094  
PURCHASE & STORES  
Ph No. 080-22172671 Fax.  
e-mail :hpsos-hsfc@isro.gov.in

क्रय आदेश  
PURCHASE ORDER

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क्रयादेश सं/ Purchase Order No. HSMA 20210003700101 | LO

दिनांक / Dated: 03/06/2022

सेवा में / To

मैसर्स / M/s. CONNECTIVITY IT SOLUTIONS

NO-1877, 1ST FLOOR, 31ST CROSS, 10TH  
MAIN RD, BHANASHANKARI STAGE II,,  
BENGALURU, 560070, INDIA Fx -  
Ph -

विक्रेता कोड / Vendor Code : C02053

महोदय / Dear Sirs,

संदर्भ आपकी निविदा सं

Ref : Your tender No. HSMA 2021-000370-01 (Price bid format) &amp; Email dated 05/05/2022

हमारी निविदा पछताछ सं. 202100037001 दिनांक 30/03/2022 के उत्तर में उपर्युक्त संदर्भित निविदा के अनुसार आपके एजेंट द्वारा प्रस्तावित दरों पर, यहाँ पर उद्धृत एवं अनुलग्न फॉर्म: संलग्न में उद्धृत निबंधन एवं शर्तों के अधीन निम्नलिखित की आपर्ति की व्यवस्था करो।

Please arrange to supply the following at the rates offered by you / your agent vide tender as referred above in response to our Tender Enquiry No: 202100037001 Dated: 30/03/2022 subject to the terms and conditions set out here under and those mentioned in Annexure Form: ENCLOSED

क्र.सं. S.No	विवरण Description	मात्रा Quantity	इकाई Unit	टर Rate(₹)	राशि Amount(₹)
1	CISCO Webex Room Kit Mini video conferencing equipment with accessories.	1.000	Set	331047.00	331047.00
	Note : 1) Order Specification as per Annexure-1. 2) General Terms & Conditions as per Annexure-2. 3) Payment Terms : 100% within 30 days from the date of receipt and acceptance of items at HSFC, Bengaluru. 4) GST @5%				
(In words) (₹ Three Lakh Thirty One Thousand and Fourty Seven only)					Total (₹) 331047.00

सुपुर्टगी पूर्णता दिनांक / Delivery / Completion Date: 14/06/2022 As per Annexure

प्रेषिती / CONSIGNEE

सुपुर्टगी निबंधन / Delivery Terms: FOR, HSFC

सेवा में / To

सुपुर्टगी स्थल / Delivery Place: HSFC, BENGALURU

PURCHASE AND STORES OFFICER

प्रेषण पोर्ट / Port of Despatch: NA

HSFC STORES

प्रवेश पोर्ट / Port of Entry: NA

NEW BEL ROAD,

प्रेषण की विधि / Mode of Despatch: ON SITE

BENGALURU-560094

हमारे बैंकर्स / Our Bankers: STATE BANK OF INDIA, DOLLARS COLONY  
BRANCH, BENGALURU

भुगतान निबंधन / Payment Terms: REFER TERMS GIVEN ABOVE

इस फॉर्म के साथ प्रेषित रसीद की तत्काल पायती भेजें। यदि आपके द्वारा इस क्रय आदेश की प्राप्ति से सात दिनों के अंदर कोई उत्तर नहीं मिलता है तो यह माना जाएगा कि यह क्रय आदेश आपके द्वारा स्वीकार किया गया है।

Please acknowledge receipt immediately in the form sent herewith. If no reply is received within seven days from the date of receipt of this order by you, it will be deemed that this order has been accepted by you.

भवदीय / Yours faithfully,

GOPALAKRISHNAN R  
SR. PURS. & STORES OFFICER  
भारत के राष्ट्रपति के लिए एवं उनकी ओर से  
For and on behalf of the President of India  
(क्रेता The Purchaser)



## Ordering Specification for CISCO Webex Room Kit Mini

Sl No	Specification	Item Description
1.	Product	CISCO webex room kit mini
2.	Software Compatibility	Endpoint Software Version 9.14.5 or later.
3.	Components	Room Kit Mini unit and power adapter, Room navigator with Ethernet Cable ,Network Cable round 5m , HDMI Cable 1.5 m ,wall mount kit and privacy cover.
4.	Bandwidth	Up to 16Mbps Point to Point.
5.	Minimum Bandwidth for Resolution	<ul style="list-style-type: none"> <li>• H.264</li> <li>• 720p30 from 768 kbps / 720p60 from 1152 kbps / 1080p30 from 1472 kbps / 1080p60 from 2560 kbps.</li> </ul>
6.	Firewall Traversal	H.460.18, H.460.19 firewall traversal or CISCO Traversal.
7.	Video Standards	H 264
8.	Video Input	<ul style="list-style-type: none"> <li>• One HDMI output supports formats up to maximum 4K (3840 x 2160) at 30 fps, including HD1080p60.</li> <li>• Consumer Electronics Control (CEC) 2.0.</li> </ul>
9.	Video Output	<ul style="list-style-type: none"> <li>• 1 HDMI output supports formats up to 3840 x 2160p60 (4Kp60).</li> <li>• Live video resolutions (encode and decode) up to 1920 x 1080p30 and p60 (HD1080p).</li> <li>• Consumer Electronics Control (CEC) 2.0.</li> </ul>
10.	Audio Standards	G.711, G.722, G.722.1, G.729, AAC-LD, and Opus.
11.	Audio features	<ul style="list-style-type: none"> <li>• High-quality 20 kHz audio.</li> <li>• Automatic Gain Control (AGC).</li> <li>• Automatic noise reduction.</li> <li>• Active lip synchronization.</li> </ul>
12.	Audio inputs	Internal microphones, One audio in from HDMI
13.	Speakers (integrated)	<ul style="list-style-type: none"> <li>• High-quality speakers: full range speaker plus dual woofers in balanced configuration.</li> <li>• Frequency response 100 Hz to 20 kHz.</li> <li>• Amplifier power: 24W Max output level SPL 84 dB</li> </ul>
14.	Multisite	<ul style="list-style-type: none"> <li>• H.239 (H.323) dual stream.</li> <li>• Binary Floor Control Protocol (BFCP) (SIP) dual stream.</li> <li>• Supports resolutions up to 3840 x 2160p5.</li> </ul>
15.	Dual Stream	<ul style="list-style-type: none"> <li>• One HDMI input supports formats up to maximum 4K (3840 x 2160) at 30 fps, including HD1080p60.</li> <li>• Consumer Electronics Control (CEC) 2.0.</li> </ul>
16.	Wireless sharing	<ul style="list-style-type: none"> <li>• Webex app (up to 3840 x 2160p5).</li> <li>• Cisco Intelligent Proximity client (up to 1920 x 1080p5).</li> </ul>
17.	Multipoint support	4-way embedded SIP/H.323 conferencing capability with Multisite option.
18.	Multisite features (embedded multipoint)*	<ul style="list-style-type: none"> <li>• Adaptive SIP/H.323 Multisite:           <ul style="list-style-type: none"> <li>3-way resolution up to 1080p30 + content up to 1080p15</li> <li>4-way resolution up to 720p30 + content up to 1080p15.</li> </ul> </li> <li>• Full individual audio and video transcoding.</li> <li>• H.323/SIP/VoIP in the same conference.</li> <li>• Support for presentation (H.239/BFCP) from any participant at resolutions up to 3840 x 2160p5.</li> <li>• Best impression (automatic continuous presence layouts).</li> <li>• Encryption and dual stream from any site.</li> </ul>
19.	Protocols	<ul style="list-style-type: none"> <li>• H.323. / SIP. / Cisco Webex</li> </ul>
20.	Embedded encryption	<ul style="list-style-type: none"> <li>• H.323 and SIP point to point.</li> </ul>

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Sl No	Specification	Item Description
		<ul style="list-style-type: none"> <li>Standards-based: H.235 v3 and Advanced Encryption Standard (AES).</li> <li>Automatic key generation and exchange.</li> </ul>
21.	IP network features	<ul style="list-style-type: none"> <li>Differentiated services (Quality of Service [QoS]).</li> <li>Dynamic Host Configuration Protocol (DHCP).</li> <li>802.1X network authentication.</li> <li>802.1Q Virtual LAN.</li> <li>802.1p (QoS and Class of Service [CoS]).</li> </ul>
22.	Call control	<ul style="list-style-type: none"> <li>Cisco Unified Communications Manager (Unified CM) Native registration with Unified CM.</li> <li>Requires Unified CM Version 9.1(2) or later with device pack Room Kit Mini.</li> <li>Cisco Expressway; Native registration with Expressway ; Cisco Webex Service;</li> <li>Third-party H.323 gatekeepers and standards-based SIP proxies.</li> </ul>
23.	IPv6 network support	<ul style="list-style-type: none"> <li>Single call stack support for both H.323 and SIP.</li> <li>Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ.</li> <li>Support for both static and automatic IP configuration (stateless address auto configuration).</li> </ul>
24.	Security features	<ul style="list-style-type: none"> <li>Management using HTTPS and SSH. / IP administration password.</li> <li>Menu administration password. / Disable IP services.</li> <li>Network settings protection / Privacy cover.</li> </ul>
25.	Network interfaces	<ul style="list-style-type: none"> <li>One Ethernet (RJ-45) 10/100/1000 for LAN.</li> <li>One Ethernet (RJ-45) for Cisco Touch 10 direct pairing.</li> <li>Wi-Fi 802.11a/b/g/n/ac 2.4 GHz/5 GHz, 2x2 MIMO.</li> <li>Using a Wi-Fi connection is a flexible option, however an <u>Ethernet connection</u> is always preferred for high performance.</li> </ul>
26.	USB pass-through	<ul style="list-style-type: none"> <li>Ability to provide video, microphone, and speakers over one USB cable to a connected computer.</li> <li>720p video resolution.</li> </ul>
27.	Other interfaces	<ul style="list-style-type: none"> <li>1 USB 2.0 port type A. / 1 USB 2.0 port type C. / 1 USB port.</li> <li>Factory reset pinhole.</li> </ul>
28.	Power	<ul style="list-style-type: none"> <li>100 to 240 VAC, 50/60 Hz, 12V DC input.</li> <li>Average 20W, peak 70W.</li> <li>Must be used with power supply FSP FSP070-AHAN2 or AcBel ADF019.</li> </ul>
29.	Camera overview	<ul style="list-style-type: none"> <li>4K UltraHD camera.</li> <li>Supports up to 60 fps (max 30 fps with best overview enabled).</li> <li>8 MP image sensor.</li> <li>1/1.4 CMOS / 5x zoom / f/1.4 aperture.</li> <li>120° horizontal field of view / Auto framing (face detect).</li> <li>Auto brightness, and white balance /</li> <li>Focus distance 1 m to infinity</li> </ul>
30.	Webex Device Subscription	5 Years
31.	Equipment warranty	3 years onsite support

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**Human Space Flight Centre  
Bengaluru**

Ref No: HSMA-2021-000-370-01

Annexure-2

**Enclosure to Purchase Order Terms and Conditions**

**1. Scope:**

Supply of CISCO Webex Room Kit video conferencing equipment with accessories. Detailed specifications Enclosed as Annexure- 1.

**2. Prices:**

The prices are "Firm and Fixed".

**3. Payment terms :**

100% within 30 days from the date of receipt and acceptance of item at HSFC.

**4. Warranty:**

The item shall be warranted for three (03) years from the date of receipt and acceptance at our site. Necessary warranty certificate shall be provided along with the item.

**5. Taxes:**

Human Space Flight Centre [HSFC] is eligible for reduced rate of CGST as per Notification No. 45/2017 – Central Tax (Rate) dtd. 14/11/2017 and Government of Karnataka Notification No. [45/2017] No. FD 48 CSL 2017, Dated 14.11.2017 [SGST 2.5%] Applicable rate of CGST is 5%. Necessary Exemption Certificate will be provided. Please raise your invoice accordingly availing exemption. [HSFC GST IN 29BLRH10309F1DB]. Your invoice must include your Bank Account Details.

**6. Delivery Period:**

The Delivery of Stores is the essence of the Contract. The Contractor should ensure that the delivery of the Stores shall be completed within twelve to fourteen [12 to 14] weeks after receipt of Order Confirmation.

**7. Performance Bank Guarantee:**

The Contractor shall furnish Performance Bank Guarantee for 3% of the Total Purchase Order value along with delivery of item in the form of Account Payee Demand Draft/Fixed Deposit Receipts or Bank Guarantee issued by a Nationalized/Scheduled Bank in favour of Director, HSFC valid till 60 days after the expiry of warranty period. The Bank Guarantee shall be executed on a Non-Judicial Stamp Paper of appropriate value as per our Specimen [Format Enclosed].

**8. Delay in Completion/Liquidated Damages:**

If the Contractor fails to deliver the Stores within the time specified in the Contract or any extension thereof, the Purchaser shall recover from the Contractor as Liquidated Damages a sum one-half of one percent [0.5 percent] of the Contract price of the undelivered Stores

for each calendar week of delay or part thereof. The total Liquidated Damages shall not exceed Ten percent [10 percent] of the Contract price of the unit or units so delayed.

9. **Force Majeure/Extension of Time:**

Should the whole or part of the activity covered under this agreement be delayed due to reasons such as lock-outs, strikes, civil commotion, floods, fire, epidemics, acts of god or war, the contractor shall give notice within 21 days to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice after verification, if necessary may agree to extend the contract delivery date as may be reasonable but without prejudice to other terms & conditions of the contract.

Any Certificate issued by the Chamber of Commerce or any other competent authority or organization shall be sufficient proof of commencement and cessation of the above circumstances. In case of failure to carryout complete or partial performance of an obligation for more than 60 days, either party shall reserve the right to terminate the Contract totally or partially. A prior written notice of 30 days to the other party will be given informing of the intention to terminate without any liability.

10. **Arbitration:**

In the event of any dispute or difference relating to the interpretation and application of the contract, such dispute or difference shall be settled amicably by mutual consultations of the good offices of the respective parties. If such a resolution is not possible, then the unresolved dispute or difference shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. Sole The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre – Bengaluru (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be "English" only.

Kindly acknowledge receipt and furnish your signed Order Acceptance to praneed-hsfc@isro.gov.in

  
Sr. Purchase & Stores Officer  
For and on behalf of the President of India  
[The Purchaser]

PROFORMA FOR

**PERFORMANCE BANK GUARANTEE**  
(from indigenous suppliers)

*(On non-judicial stamp paper of appropriate value)*

1. WHEREAS on or about the ..... (day, month & year), M/s. ..... (name & address of the firm), a company registered under Companies Act and having its registered office at ..... (hereinafter referred to as 'The Contractor'), entered into an agreement bearing No. ..... dated ..... (hereinafter referred to as 'The Contract') with the President of India (hereinafter referred to as 'The Government') for supply of ..... (hereinafter referred to as 'The Equipment').
2. AND WHEREAS under the terms and conditions of the Contract, an amount of ₹..... (Rupees ..... only) representing balance ..... % payment out of the total value of the Contract of ₹..... (Rupees ..... only) is to be paid to the Contractor on the final acceptance of the equipment and on the Contractor furnishing a bank guarantee in a manner herein contained towards satisfactory performance of the equipment during warranty period, viz., ..... months from the date of acceptance/commissioning of the said equipment or ..... months from the date of despatch of the last lot of consignment, whichever is earlier (specify here the warranty clause contained in the Order).
3. NOW WE, ..... (name & address of the Bank), in consideration of the promises and the payment of said sum of ₹ ..... (Rupees ..... only) by the Government to the Contractor do hereby agree and undertake to pay to the Accounts Officer, ..... (name & address of the Centre/Unit) on behalf of the Government (hereinafter referred as the "Accounts Officer") the amount due and payable under the guarantee without any demur, merely on a demand from the said Accounts Officer stating that the amount claimed is due by way of loss or damage caused to or suffered by the Government by reason of unsatisfactory performance of the equipment during the warranty period. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ₹ ..... (Rupees ..... only).
4. WE, ..... (Bank) undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the Contractor, in any suit or proceedings pending before any Court of Law or

Tribunal relating thereto, our liability under this present guarantee bond being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment thereunder and the Contractor shall have no claim against us for making such payment.

5. WE, ..... (Bank) hereby further agree that the decision of the said Accounts Officer as to whether the said equipment is giving satisfactory performance or not during the warranty period and as to the amount of damages suffered by the Government on account of unsatisfactory performance of the said equipment shall be final and binding on us.

6. AND WE, the ..... (Bank) do hereby agree that our liability hereunder shall not be discharged by virtue of any agreement between the Government and the Contractor whether with or without our knowledge and/or consent or by reason of the Government showing any indulgence or forbearance to the Contractor whether as to payment, time or performance, or any other matter whatsoever relating to the Contract which, but for this provision, would amount to discharge of the surety under the law.

7. THIS GUARANTEE will not be discharged due to the change in the constitution of the Bank or Contractor.

8. OUR GUARANTEE shall remain in force until ..... (two months beyond the Contract warranty period) and unless a claim under the guarantee is lodged with us on or before the above date, all right of the Government under the guarantee shall be forfeited and we shall be relieved and discharged from all our liabilities thereunder.

Dated the ..... (day, month & year)

.....  
(Signature of the Authorised Officer of the Bank)

.....  
(Name and designation of the officer)

Seal

Name, Address of the Bank (Head Office) with Phone/Fax Nos.

Name & Address of the Branch with Phone/Fax Nos.

Form No. DOS:PM:26  
(Refer Ch.10.4)

PROFORMA FOR  
**ACKNOWLEDGEMENT/ORDER ACCEPTANCE**

**ACKNOWLEDGEMENT/ORDER ACCEPTANCE**

(This form should be signed and returned by the supplier/tenderer/Contractor to the Purchase & Stores Officer, ..... (name & address of the Centre/Unit)

From:

.....  
.....  
.....  
.....

(name & address of the Supplier)

To:

Purchase & Stores Officer

.....  
.....

(name & address of the Centre/Unit)

**Subject: P.O. No. ..... dated .....**

The supply of Stores/Plant/Machinery/Service will be taken in hand in terms of the subject Purchase Order and supply will be made within the delivery period stipulated.

Date of receipt of the PO: .....

Signature of the Supplier  
(with Official seal and date)

