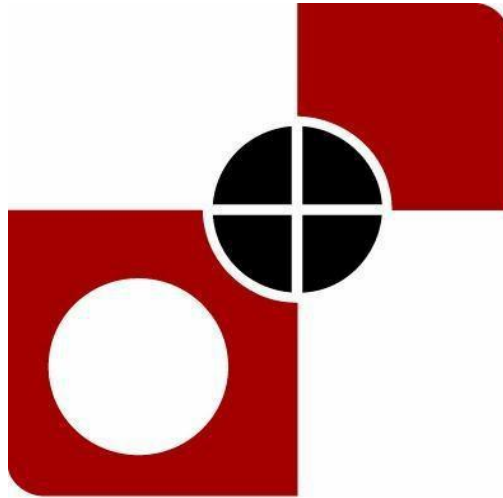


**SECURITY PRINTING AND MINTING
CORPORATION OF INDIA LIMITED, NEW DELHI**

(A Mini Ratna, Category -1, CPSE, Wholly Owned by Government of India.)



**Tender Document for Supply, Installation and Commissioning of Video
Conferencing Solution with five years Comprehensive AMC for SPMCIL**

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Standard Bidding Document(SBD)

Not Transferable

Security Classification –Non Security

**Tender Document for Supply, Installation and Commissioning of Video Conferencing Solution
with five years AMC for SPMCIL**

Tender No. SPMCIL/IT/50/17/3995

Dated: 14.10.2019

This Tender Document Contain 36 Pages

Tender Documents is sold to:

M/s _____
Address _____

Details of Contact person in SPMCIL regarding this tender:

Name, Designation : **Shri Ram Sahai ,DGM(IT)**

Correspondence Address : **Security Printing and Minting Corporation of
India Ltd, 1st Floor, Jawahar Vyapar Bhawan
New Delhi**

Phone : **0120-4758002**

Email : dgmit@spmcil.com

NOTICE INVITING TENDER**Tender No. SPMCIL/IT/50/17/3995****Dated: 14.10.2019**

1. Sealed tenders are invited from eligible and qualified tenderers for providing following Goods/services.

Brief Description of Goods/ Services	QUANTITY	Earnest Money (in Rs.) Remarks
Supply, Installation and Commissioning of Video Conferencing Solution with five years comprehensive AMC for SPMCIL	01 AU	Rs. 5,00,000(Five lakh Only)
Type of Tender	Three Bid, NCB	
Dates of sale of tender documents	From 14.10.2019 to 15.11.2019 during office hours	
Price of the Tender Document	Rs. 590/- per set (including GST)	
Closing date and time for receipt of tenders	Up to 15.00 Hrs till 15.11 .2019	
Time and date of opening of tender	At 15.30 Hrs on 15.11.2019	
Place of opening of tenders	Security Printing and Minting Corporation of India Ltd, 16 th Floor ,Jawahar Vyapar Bhawan, STC, Janpath New Delhi-110001	
Pre-bid Meeting	At 11:00AM on 24.10.2019 at Security Printing and Minting Corporation of India Ltd, 16 th Floor ,Jawahar Vyapar Bhawan, STC, Janpath New Delhi-110001. All Pre-bid queries by bidders may be sent in written to dgmit@spmcil.com by 22.10.2019 before 3.30PM.Any verbal queries other than the written ones pre-submitted.	
Nominated Person/ Designation to receive Bulky Tenders	DGM (IT)	

2. Bidder may visit our website at <https://spmcil.com> for further details.
3. Tender documents can be downloaded and cost/price of tender document should only be submitted along with the tender in the form of account payee demand draft/ cashier's cheque/certified cheque, drawn on a scheduled commercial bank in India, in favour of Security Printing and Minting Corporation of India Ltd payable at New Delhi.
4. Tenderer may also download the tender documents from the website www.spmcil.com and submit tenders by utilizing the downloaded document, along with the required non-refundable fee as mentioned in para 3 above.
5. Tenderers shall ensure that their tenders, duly sealed & signed complete in all respects, as per instructions contained in this tender document are dropped in the tender box located at the address given below on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.
6. In the event of any of the above mentioned dates being declared as a holiday/ closed day for the Organization, the tenders will be received/ opened on the next working day at the appointed time.

7. Tender by Telegram/Fax/E-mail shall not be accepted. Tender by Post/Hand/courier received on or before the due date and time shall be accepted. Postal delay/delay by courier service etc. shall not be condoned.
8. The tender documents are not transferable.
9. No Conditional Tender shall be accepted.
10. As per the amendments to Companies Act 2013, companies are required to make certain disclosure pertaining to vendors registered under Micro, Small and Medium Enterprises Development Act 2006 (MSMED Act 2006). If your firm/company is registered under MSMED Act 2006, please attach a copy of the registration certificate.
11. Security Printing and Minting Corporation of India Ltd reserves the right to accept any tender and to reject any or all tenders, to accept in part or in full any tender or reject any tender without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, what so ever to the affected tenderer or tenderers
12. Any security breach by the contractor, will lead to:
 - a. Termination of Contract.
 - b. Payment of Damages.
13. Service Providers or their nominees may be present at the time of opening of the tender. Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority as per the format in SBD XVII from the corresponding tenderers.
14. As per provisions contained M/o Finance, Dept. of Expenditure O.M. No.1(2)(1)/2016-MA dt.10th March 2016, relaxation shall be given of prior turnover and prior experience with respect of Micro & Small Enterprises (MSEs) subject to meeting of quality and technical specifications.

Note:

1. All other terms and conditions of NIT (including GIT, SIT, GCC and SCC) shall remain as per SPMCIL procurement manual.
2. General instructions to tenderer (GIT) and General Conditions of contract (GCC) shall also form a part of this tender document.

For details regarding GIT and GCC please refer links as below:

<http://www.spmcil.com/spmcil/UploadDocument/GIT.pdf>

<http://www.spmcil.com/spmcil/UploadDocument/GCC.pdf>

SECTION - I to XIX: APPLICABLE, EXCEPT SECTION: XIII & XVIII .

SECTION - XIII BANK GUARANTEE FORM FOR EMD: NOT APPLICABLE

SECTION - XVIII SHIPPING ARRANGEMENTS FOR LINER CARGOES: NOT APPLICABLE

Shri Ram Sahai

Dy. General Manager (IT)

CORRESPONDENCE ADDRESS:

Security Printing and Minting Corporation of India Limited

16th Floor, Jawahar Vyapar Bhawan

Janpath, New Delhi – 110001

Phone: 0120-4758002

Email: dgmit@spmcil.com

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

Kindly refer <http://www.spmcil.com/spmcil/uploaddocument/git.pdf> for further details.

(GIT Contains 32 pages and will form part of this tender document)

SPECIAL INSTRUCTIONS TO TENDERER (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

S. No.	GIT Clause No.	Topic	SIT Provision												
	8	Pre-Bid Conference	<p>At 11:00 AM on 24/10/2019 Security Printing And Minting Corporation Of India Ltd.16th Floor, Jawahar Vyapar Bhawan, Janpath, New Delhi-110001.</p> <p>Pre-bid Conference & Clarifications:</p> <p>a) SPMCIL shall hold a pre-bid meeting with prospective bidders on the date, time & venue as mentioned in NIT.</p> <p>b) The bidders will have to ensure that their queries for Pre-Bid meeting should reach to Nodal Officer at email id: dgmit@spmci.com on date and time as per "NIT"</p> <p>c) The queries should necessarily be submitted in the following format:</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>RFP Document Reference & Page Number</th> <th>Content of RFP Requiring Clarifications(s)</th> <th>Points of Clarification</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>d) SPMCIL shall not be responsible for ensuring that bidder's queries have been received by them. Any requests for clarifications post the indicated date and time may not be entertained by SPMCIL.</p>	Sr. No	RFP Document Reference & Page Number	Content of RFP Requiring Clarifications(s)	Points of Clarification	1				2			
Sr. No	RFP Document Reference & Page Number	Content of RFP Requiring Clarifications(s)	Points of Clarification												
1															
2															
1	11.2	Tender Currency	Supplier is requested to quote price within 2 Decimal places. Quotation with price quote beyond 2 decimal places will be ignored.												
2	14	PVC Clause & Formula	The price should be firm & fixed during the currency of the contract.												
3	18	Earnest Money Deposit (EMD)	Tender should be accompanied with Earnest Money Deposit (Non-interest bearing) as prescribed against the schedule in the forms as given below. (a) Account Payee Demand Draft or (b) Fixed Deposit Receipt of any Scheduled commercial bank in India or (c) Banker's cheque. The earnest money shall be valid for a period of forty five days beyond the validity period of the tender.												
4	19	Tender Validity	Tenders shall remain valid for acceptance for a period of 180 days from the date of opening of Pre-Qualification Bid.												
5	20.4	Number of Copies of Tenders to be	One Original copy												

		submitted	
6	20.8	Signing and Sealing of tender	<p>(I) Pre-Qualification bid, (II) Technical bid and (III) Financial bid are to be submitted in three separate doubled sealed envelopes on or before the due date of submission of tenders. It may be noted that the price is not to be quoted either in the pre-qualification or in technical Bid. It shall only be quoted in price bid. Non-adherence to this shall be making tender liable for rejection. The envelopes containing bids shall be super-scribed Pre-qualification bid, Technical bid and Price bid. The sealed envelopes shall again be put in another sealed cover and should be super-scribed with the words “Supply, Installation and Commissioning of Video Conferencing Solution with five years Comprehensive AMC for SPMCIL” and TENDER number SPMCIL/IT/50/17/3995 dt -14.10.2019 mentioning on the Envelope that it contains Pre-Qualification Bid, Technical - Bid, Price Bid indicating NIT Date & Due date and to be addressed to the DGM (IT), SPMCIL 16th Floor, Jawahar Vyapar Bhawan, Janpath, New Delhi 110 001.</p> <p>Note- Tender received without Earnest money and Tender cost shall not be evaluated and will be rejected. MSME firms are exempted from EMD and Tender document fees.</p> <p>Tenders shall be submitted in Part I,II and III along with documents as detailed below in sealed separate cover:-</p> <p><u>PART I: PRE-QUALIFICATION BID –</u></p> <p>A) For MSE Firms:</p> <p>i) Certificate of registration</p> <p>ii) Power of Attorney/ Authorization with the seal of the company of person signing the tender documents.</p> <p>iii) Duly filled in Tender Form as per Section X. No price details to be given in this tender.</p> <p>iv) Bidder shall submit the documents for the capability criteria as per Section- IX.</p> <p>v) No Exemption will be given for depositing of security deposit (S.D) to any DIC/SSI/MSME/NSIC Registered Firm.</p> <p>vi) Exemption will be given depositing of only Tender Fees & EMD to any DIC/SSI/MSME/NSIC Registered Firm.</p> <p>vii) The bidder should not have been black listed by any of Government Authority or Public Sector Undertaking (PSUs). The bidder shall give an undertaking (on their letter head) that they have not been black listed by any of the Govt. Authority or PSUs</p> <p>B) For Non-MSE Firms:</p> <p>i) EMD and Tender document fees as per NIT</p> <p>ii) Power of Attorney/ Authorization with the seal of the company of person signing the tender documents.</p> <p>iii) Duly filled in Tender Form as per Section X. No price details to be given in this tender.</p> <p>iv) Experience & Past Performance certificates and capability documents as per PQB criteria section - IX of this tender document.</p> <p>v) All financial standing data should be certified by C.A. for financial year 2016-17, 2017-18 & 2018-19 as per Section-IX.</p>

			<p>vi) The bidder should not have been black listed by any of Government Authority or Public Sector Undertaking (PSUs). The bidder shall give an undertaking (on their letter head) that they have not been black listed by any of the Govt. Authority or PSUs</p> <p>PART II: TECHNICAL - BID -</p> <p>i. The tenderer shall submit detailed scope of work as per Section VI of this tender document.</p> <p>ii. The tenderer shall submit the acceptance of Technical specification as per Section VII of this tender document.</p> <p>iii. The tenderer has to submit the acceptance of all terms & conditions of the tender document without any deviation.</p> <p>iv. The tenderer has to submit acceptance of all sections of this tender document (GIT, SIT, SCC, Tender form, Questionnaire, etc.)</p> <p>PART- III: PRICE BID –</p> <p>The bidders shall quote the price as per the format given in Section XI of this tender document Insertion, post script, addition and alteration shall not be recognized unless confirmed by the bidder.</p>
8	33	Evaluation	Evaluation shall be done on the basis of all inclusive prices quoted as per Section-XI of this tender document.
	18.2, 35.3	EMD, Price Preference	<p>Micro and Small Enterprises are eligible to get the benefits under “Public Procurement Policy for Micro & Small Enterprises (MSEs) Order 2012” as notified by the Government of India, Ministry of Micro, Small & Medium Enterprises, New Delhi vide Gazette Notification dated 26.03.2012. The major benefits allowed are as under:</p> <p>i. Issue of tender sets free of cost,</p> <p>ii. Exemption from payment of Earnest Money Deposit (EMD).</p>
	51.2	Pre-qualification Bidding	This is a three bid tender. Initially the first packet containing PQB will be opened and evaluation would be done as per Section IX of the tender document. Thereafter, rest of the tender would be handled as a two bid system for only those bidders who qualify in PQB

GENERAL CONDITIONS OF CONTRACT (GCC)

Kindly refer <http://www.spmcil.com/spmcil/uploaddocument/gcc.pdf> for further details.

(GCC Contains 28 pages and will form part of this tender document)

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special conditions will modify/ substitute/ supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

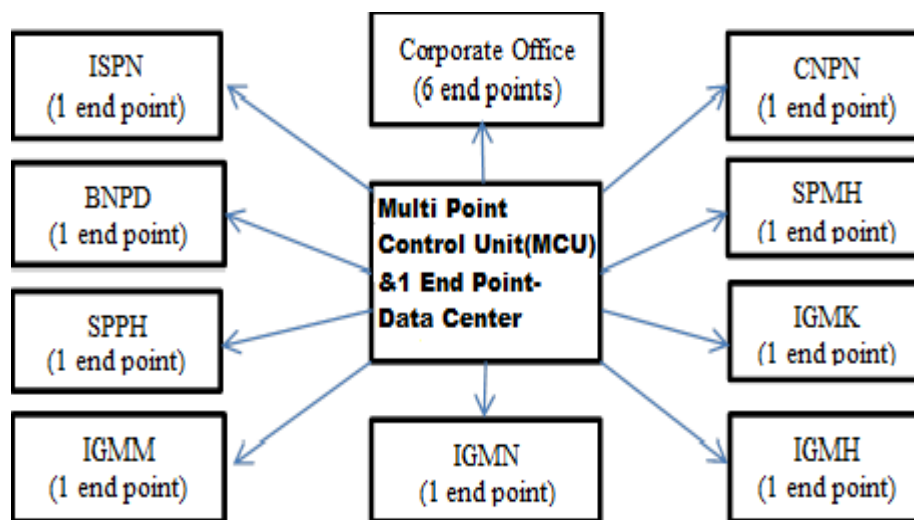
(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit.)

S. No.	GCC Clause No.	Topic	SCC Provision
1	6	Performance Bond/ Security	The contractor shall furnish the performance security amount/ Security Deposit (S.D) (10% of the ordered value) valid up to sixty days after the date of completion of all contractual obligations by the supplier, before executing the contract after issue of LOI/Work order by SPMCIL. SD is to be submitted in favor of Security Printing & Minting Corporation of India Ltd payable at New Delhi. The performance security will be returned without any interest to successful tenderer after the completion of all contractual obligations.
2	10.1	Terms of Delivery	Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract and as mentioned in Section-VI and VII of this tender document.
3	19.3	Option Clause	The purchaser reserves the right to increase the Value of contract by 25% at any time, till final date of completion of the contract.
4	22, 22.1, 22.2, 22.3, 22.4, 22.6	Terms and Mode of Payment	i) 100% on Supply, successful installation & commissioning and acceptance of goods and on production of all required documents by the supplier. ii) The payment of AMC shall be on quarterly basis. The vendor shall submit his bill in triplicate duly pre- receipted to the concerned officer SPMCIL. iii) No extra pay and allowance and other facilities etc. will be provided by SPMCIL to the contracted firm in any circumstances.
5	24.1	Quantum of LD	If the supplier fails to deliver any or all of the goods or fails to perform the goods/services within the time frame incorporated in the contract. SPMCIL shall, without prejudice to other rights and remedies available to SPMCIL under the contract, deduct from contract price, as liquidated damages, as sum equivalent to the 0.5% of the delivered price of the delayed goods and/or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed goods or services contract price(s).

LIST OF REQUIREMENTS

SPMCIL is looking for a technologically advanced Video Conferencing system to connect its 9 units across India and Data center in Noida with Corporate office at New Delhi. The system should be capable to connect multiple units with corporate office in conference also within units and should have multiple screen facilities in single window. SPMCIL Data center is connected with all units and corporate office with MPLS connectivity with following bandwidth details

- a) All units including corporate office connected with Data center Noida via 2 Mbps bandwidth. (Primary 2 Mbps and Secondary 2Mbps)
- b) Data Center is having bandwidth of 20Mbps.
- c) **The Video Conferencing solution provided by the selected bidder must be functional with existing above mentioned bandwidth details.**
- d) **Connectivity Diagram**



- e) **Brief description of requirement**

Sr. No	Item Description	Qty (No's)
1.	Multi Point Control Unit(MCU)	1
2.	High Definition End Points with HD PTZ camera.	16
3.	LED 4K Display Monitor (TV) with 65"	12

- f) Multi Point Control Unit will to be installed in Data center, IGM Noida.
- g) High Definition End Point will be installed in the following locations

h) Corporate office, New Delhi: - 6 No's of End points.

Sr.No	Location details	Qty(No's)
1	Office of CMD (End Point with Display Monitor)	1
2	Office of Director(T)	1
3	Office of Director(HR)	1
4	Office of Director(F)	1
5	Office of CVO	1
6	Board Room	1

i) 9 Units and 1 Data Center- 10 No's (End points with Display Monitors)

Sr. No	Location Details	Qty (No's)
1.	Bank Note Press, Dewas	1
2.	India Security Press, Nashik	1
3.	Currency Note Press, Nashik	1
4.	Security Printing Press, Hyderabad	1
5.	India Government Mint Hyderabad	1
6.	Security Paper Mill, Hoshangabad	1
7.	India Government Mint, Kolkata	1
8.	India Government Mint, Mumbai	1
9.	India Government Mint, Noida	1
10.	Data center , India Government Mint, Noida	1

j) **Licensing:**

Vendor should provide requisite number of licenses along with Hardware & Software, so that no extra license is required for making system operational. Vendor should clearly specify licensing of various features.

k) **Comprehensive-Annual Maintenance Contract (AMC) Terms and Conditions.**

S. No.	Description
1	The complete systems should be under 5 (Five) years of AMC for all items. The vendor should provide free on-site comprehensive support service.
2	During AMC period besides service/maintenance of Hardware and System Software, all software up gradation, bugs/patches and services shall be provided free of cost by the vendor.
3	Supplier will maintain enough spares in India, so as to provide satisfactory on-site comprehensive maintenance services during the AMC period.
4	Vendor would provide the helpdesk support services through telephone/e-mail where users can lodge their complaint.
5	Any failure in the equipment supplied/ any accessories thereof should be rectified within maximum period of two working days.
6	If any of the systems is down beyond two working days penalty will be charged Rs.2000/- per day per Item.

l) **Delivery Period:**

The successful bidder has to complete Supply, Installation, Commissioning and User training of Video Conferencing Solution at Corporate Office, Data Center and 9 units of SPMCIL within 3 months from the date of issue of LOI or purchase order whichever is earlier.

m) **EMD:**

Tender should be accompanied with Earnest Money Deposit (Non-interest bearing) of Rs **5,00,000(Rupee five lakh only)** in any of the following forms (a) Account Payee Demand Draft or (b) Fixed Deposit Receipt of any Scheduled commercial bank in India or (c) Banker's cheque. The earnest money shall be valid for a period of forty five days beyond the validity period of the tender.

n) **Training:**

The successful bidder has to conduct Training in all locations & cost will be beared by supplier only.

o) **OEM/ Bidder declaration:**

The OEMs/ bidders must assure their ability to support the products/ items for a period of 5 (five) years from the date of commissioning. The same should be certified by OEM only.

p) **Address for delivery:**

1. SPMCIL, Corporate Office
16th Floor, Jawahar Vyapar Bhavan
Janpath New Delhi , Delhi - 110001.
2. India Government Mint
D-2, Sector-1
P.O. Box No. 78
Noida , Uttar Pradesh - 201301.
3. India Government Mint
Shahid Bhagat Singh Marg Fort
Mumbai , Maharashtra - 400001
4. India Security Press
Nashik Road
Nashik , Maharashtra - 422101
5. Bank Note Press
Dewas , Madhya Pradesh - 455001
6. Currency Note Press
Nashik Road, Nashik , Maharashtra - 422101
7. Security Paper Mill
Hoshangabad , Madhya Pradesh - 461005
8. India Government Mint
Alipore, Kolkata , West Bengal - 700053

9. India Government Mint
IDA, Phase-II
Cherapally, (R.R district)
Hyderabad , Telangana - 500051

10. Security Printing Press
A Unit of Security Printing and Minting Corporation of India Ltd.
Mint Compound, Saifabad
Hyderabad , Telangana - 500063

TECHNICAL SPECIFICATIONS**1. Multi Point Control Unit (MCU):**

Sr.No	Description	Specification Parameter
1.1	General Requirement & System Capacity	a) MCU Port size should be with Minimum 20 ports. Which should support HD video conferencing at speed of 2Mbps per site in continuous presence mode at live video resolution of 1080p30 for both transmit as well as receive. b) There should not be any port loss while doing simultaneous conferences on MCU. All the end points should be able to show all the MCU features (H.239 data collaboration, etc) without any port loss. c) All core components of video conferencing system like camera, codec, MCU, End Point should be from same manufacturer.
1.2	Video Standards and Protocols:	a) H.323 and SIP standards compliant. b) Should support video protocols as H.263/H.263+/H.263++/ H.264 AVC/SVC/ H.264 High Profile / H.264 Baseline Profile/ H.265. c) System shall support content sharing employing dual video using standard. d) H.239 and Binary Flow Control Protocol (BFCP) over SIP. System should also support audio from PC used for content sharing.
1.3	Video Resolution	a) Should support for CIF, 4CIF and HD 720p30 and HD1080p30. b) It should support 1080p 60fps, 1080p 30fps, and 720p60fps and 720p30fps. c) H.239 and BFCP dual stream standards for simultaneous sending or receiving content/ presentation of resolution up to 1080p along with HD live video using H.263 /H.264 video coding with auto selection. d) High Definition (HD) and Standard Definition (SD) VC system to participate in same call at the highest resolution supported by each endpoint. e) Support transcoding of audio and video protocols for each endpoint connected to MCU with various protocols and speeds.
1.4	Network Interface	a) Should work with IP4 and IP6 address schemes. b) System shall support Packet loss recovery, dynamic jitter buffering for optimum video and audio quality. c) The system must support H.323 and SIP (Video and Content). d) Equipment shall have status LED to monitor status of equipment. e) Equipment shall support H.323, AES (Advance Encryption Standard), SRTP, H.239 (Dual Video) and

		<p>BFCP, RTP, HTTP, HTTPS, DHCP, SNMP, NTP, IPv4 and IPv6.</p> <p>f) System should support standards based lost packet recovery feature for H.323 calls, QOS IEEE 802.1P/Q.</p> <p>g) System should also provide support for NAT and firewall traversal.</p>
1.5	Conferences and Scheduling	<p>a) The MCU shall support various user privileges from administrator to simple guest.</p> <p>b) The MCU shall have a built-in address book and built-in scheduling.</p> <p>c) The MCU should always support bandwidth management features in order to have best performance at lower bandwidths.</p> <p>d) The MCU shall support scheduled conferences and ad hoc conferencing mode at the same time.</p> <p>e) The MCU shall allow different audio and video settings on individual conference basis i.e. different conferences with different profiles must exist simultaneously.</p> <p>f) The MCU shall transcode video and audio on all ports, without loss of port count, regardless of bitrates, resolutions or codecs that endpoints connect with.</p> <p>g) The MCU should have easy to use tool on the GUI to adjust video and audio resources which should get activated without restarting the MCU.</p> <p>h) The MCU shall allow participants to change the layout they see using their endpoint's remote control. This shall not affect the layout that anyone else sees.</p> <p>i) The MCU shall support forcing the video to all the connected endpoints in PAL standard.</p> <p>j) The MCU shall support self-view when in a continuous presence layout. It shall be able to turn this on or off.</p> <p>k) The MCU shall allow the operator of a conference to define a custom layout per conference and per participant, thus customizing global layouts or personal layouts and deciding how the conference is seen on the terminals' displays.</p>
1.6	Conference Features	<p>a) It shall be able to see all sites in continuous Presence Layout or higher. It shall provide option for Personal layout. It shall support auto layout. It shall be able to choose site to see.</p> <p>b) It shall have provision to choose from multiple Layout skins. It shall be able to select lecture and presentation mode. It shall support multiple Conference profiles. It shall have conference templates.</p> <p>c) It shall have Gathering Slide/Customized Welcome Slide/ It shall have Far-end camera control (FECC).</p> <p>d) It shall allow conference participants to perform certain actions like mute/unmute, enable roll call/disable roll call, terminate conference, secure/unsecure a conference using the remote control or Graphic User Interface of video</p>

		<p>system.</p> <p>e) It shall support conference chairperson. It shall have customizable GUI. It shall have speaker notification.</p> <p>f) Shall be possible display overlay text to all sites in conference and to individual sites.</p> <p>g) Easy IVR support for auto attendant or entry queue based conferences.</p> <p>h) Separate personal layout selection for different endpoints.</p> <p>i) Should support down-speeding and packet error/loss concealment methods to ensure optimum video and audio quality.</p> <p>j) Should support a mix of resolutions in both Voice Activated mode and Continuous Presence. Each endpoint shall receive at the maximum of its capacity without reducing the capacity of another.</p> <p>k) The system shall have Dynamic CP layout adjustment (MCU will choose the best video layout according to the number of participants in the conference). It must support embedded site naming, Active speaker with border highlight and active speaker indication for active video participant</p> <p>l) Chair control.</p>
1.7	Security	<p>a) Media Encryption (H.323, SIP): AES-128/AES-256.</p> <p>b) The system should support standard based Directory services, SNMP and CDR.</p> <p>c) The MCU should have strong password policy which can maintain password`s history check and their expiration time.</p> <p>d) System shall have login access levels for web interface, whitelist feature for secure access i.e. list of IP addresses that can connect to codec over web interface.</p> <p>e) It should be possible to define the system access password policy, disable web based remote access for security reasons.</p>
1.8	Cables	STP (Shielded Twisted Pair) CAT-6 Cable should be compliant with latest EIA/TIA-568-B.2-1 standard for CAT 6 cable.
1.9	Power Cables	Power Cable 3 Core, 2.5 sq mm, multi strand copper conductor, PVC insulated, Unarmoured, conforming to IS: 694:1990 reaffirmed 1995 or latest shall be provided.
1.10	Licensing:	<p>a) Vendor should provide requisite number of licenses along with Hardware & Software, so that no extra license is required for making system operational.</p> <p>b) Vendor should clearly specify licensing of various features.</p>
1.11	Any Other item	Any other item(s) required for completion of video conferencing system shall be arranged by vendor.

2. High Definition End Point

Sr.No	Description	Specification Parameter
2.1	Package	<ul style="list-style-type: none"> a) Type of End Point will be Point to Point upgradable. b) The proposed system must support PAL with a PTZ camera, wireless remote control, etc. c) The codec must be based on industry standards such as the H.323 and SIP standards for IP-based audio/video. d) All the devices proposed should support 100/1000 mbps auto speed Ethernet port and IPV4 and IPV6 support. e) Full HD 1080p camera, codec, Microphone Array, cables, and remote control/touch panel.
2.2	Video Standards and Protocols	<ul style="list-style-type: none"> a) System should support video protocols as H.263/ H.263+/ H.263++/ H.264 AVC/SVC/ H.264 High Profile / H.264 Baseline Profile/ H.265. b) System shall support content sharing employing dual video using standard. c) H.239 and Binary Flow Control Protocol (BFCP) over SIP. System should also support audio from PC used for content sharing.
2.3	Video Resolution	<ul style="list-style-type: none"> a) The system should support HD 1080p, HD 720p, 4CIF to CIF video resolution. b) It should support 1080p 60fps, 1080p 30fps, 720p 60fps and 720p 30fps. c) Shall work in HD video resolutions of 1080p 60fps for live video for both transmit and receive.
2.4	Content Standards and Resolution	<ul style="list-style-type: none"> a) The system should support HD 1080p, HD 720p, WSXGA, SXGA, XGA and SVGA content resolutions. b) H.239 /BFCP dual live stream for simultaneously sending or receiving HD content / presentation along with HD live video on to different HD monitors at 1080p30. Video resolution should be maintained at 1080p30fps for both video and content while sharing presentation in a point-to-point call.
2.5	Audio Standard	<ul style="list-style-type: none"> a) The system should support minimum 20 kHz bandwidth with crystal clear audio, stereo sound. b) It should support G.711/ G.728/G.729A/ G.722/ and G.722.1, AAC-LD or better. c) Equipment shall have automatic Gain Control and automatic noise suppression. d) Equipment shall have keyboard noise reduction and instant adaptation echo cancellation. e) Equipment shall have voice prompts for Auto Attendance.

2.6	Inputs (Video/Audio)	<ul style="list-style-type: none"> a) It shall have 1 no. of HD input for connecting PTZ HD camera. b) It shall have 1 no. of DVI-I/HDMI or latest input for connecting PC/Laptop to share HD content with 5 mtrs cable for connecting. c) It shall have RJ45 port. d) It shall have 2 no. of Mic input with Minimum 7.5 Meters cable each should be supplied. e) It shall have 1 no. of Line-Level stereo in (RCA or equivalent or higher) for connecting external audio device.
2.7	Outputs (Video/Audio)	<ul style="list-style-type: none"> a) It shall have 1 no. of DVI-I/HDMI HD for connecting main monitor with minimum 5 mtrs connecting cable. b) It shall have 1 no. of DVI-I/HDMI HD for connecting 2nd monitor. c) It shall have 1 no. of RCA/3.5mm Jack for main monitor audio out or to external speaker system and 1 no. of RCA/3.5mm Jack or equivalent or higher.
2.8	Camera	<ul style="list-style-type: none"> a) Should have one motorized PTZ (PAN-TILT-ZOOM) HD Camera with minimum 12x optical zoom, Auto Focus and white balance features & Pan: +/- 90 & minimum tilt +/- 15. b) Camera should be controllable from hand held remote / touch pad controller supplied as a part of Video Conferencing System. c) Mounting structures required to mount the cameras on top of LCD/Wall/Ceiling should also be supplied. d) The HD Camera should be capable of working in normal elimination condition. e) Each of the cameras should be supplied with minimum 3Mtrs connecting cable.

2.9	Security:	<ul style="list-style-type: none"> a) Media Encryption (H.323, SIP): AES-128 / AES-256. b) The system should support standard based Directory services, SNMP and CDR. c) The MCU should have strong password policy which can maintain password`s history check and their expiration time. d) System shall have login access levels for web interface, whitelist feature for secure access i.e. list of IP addresses that can connect to codec over web interface. e) It should be possible to define the system access password policy, disable web based remote access for security reasons.
2.10	Other Features	<ul style="list-style-type: none"> a) System shall support for at least 10 camera presets. The system must be able to support display of near and far end on the single display screen. b) Should work with IP4 and IP6 address schemes. c) The system should directly or through cascading, connecting at least 2 microphones without using any external audio mixer.
2.11	Cables	STP (Shielded Twisted Pair) CAT-6 Cable should be compliant with latest EIA/TIA-568-B.2-1 standard for CAT 6 cable.
2.12	Power Cable	Power Cable 3 Core, 2.5 sq mm, multi strand copper conductor, PVC insulated, Unarmoured, conforming to IS: 694:1990 reaffirmed 1995 or latest shall be provided.
2.13	Licensing	<ul style="list-style-type: none"> a) Vendor should provide requisite number of licenses along with Hardware & Software, so that no extra license is required for making system operational. b) Vendor should clearly specify licensing of various features.
2.14	Any Other item	Any other item(s) required for completion of video conferencing system shall be arranged by vendor.

3. LED 4K Display Monitor (TV) with 65 Inch.

Sr.No	Description	Specification Parameter
3.1	Make	Samsung, Sony, LG, Panasonic or equivalent.
3.2	LED screen size	LED screen size (diagonally) should be of 65"/162.5 cm
3.3	Resolution	Should support native resolution of minimum 3840x2160 pixels
3.4	Features	<ul style="list-style-type: none"> a) Should work satisfactorily with VC systems. b) Minimum one HDMI inputs along with Audio input. c) Shall have one VGA or latest input along with Audio input. d) Should be supplied with minimum 5meters HDMI and DVI-I/VGA cable with Audio. e) Shall have LAN (RJ-45), one USB. f) One HDMI port connectivity (either directly or through external device without sharing any input as specified above) to direct presentation/ applications to display on to the LED monitor. g) Easy to use infrared Remote controller. h) Duty Cycle: 24/7 Commercial segment i) OEM supplied table top stand and wall mount kits

QUALITY CONTROL REQUIREMENTS

Supply, Installation and Commissioning of Materials that are delivered not in conformity with tender specification will be treated as materials not delivered at all. Materials shall be delivered by the service provider in accordance with the terms and conditions specified in the contract failing which expenses may be levied on supplier.

QUALIFICATION / ELIGIBILITY CRITERIA

The bidders should meet the following minimum qualification criteria to submit their offer towards this tender notice. The bidders need to submit supporting documents to substantiate their eligibility.

1. Experience & Past Performance:

Bidder firm should have experience of video conferencing system supplied, Installation, Commissioning atleast one project in any Government Organization / PSU's / banks/mnc etc. in last five years.

2. Financial Standing:

- a. The average annual turn-over of the Bidder firm during the last three (3) years, ending March 31st, 2019 should be at least Rs **91,55,600** (Rupee Ninety one lakh, fifty five thousand, six hundred only).
- b. The Bidder firm should not have suffered any financial loss for more than one (1) year during the last three (3) years ending March 31st, 2019.
- c. The net worth of the Bidder firm should not have eroded by more than 30% in the last three (3) years ending March 31st, 2019.

3. Capability:

The firm should have installed atleast eight End Point/ location in any PSU/Government/bank/MNC during last 5 years.

4. MSME:

“No Exemption will be given for depositing of Security Deposit (S.D.) to any DIC/SSI/MSME/NSIC registered firm”

“Exemption will be given depositing of only tender fee & EMD to any DIC/SSI/MSME/NSIC registered firm”

NOTE:-

1. All experience, past performance and capacity/capability related data/document should be certified by the authorized signatory of the Bidder firm. The credentials regarding experience and past performance to the extent required as per the above eligibility criteria as submitted by the Bidder may be verified from the parties for whom work has been done.
2. All financial standing data should be certified by certified accountants e.g. Chartered Accountants (CA) in India and Certified Public Accountant/ Chartered Accountant of other countries.

MOST IMPORTANT NOTE: BIDDER TO FURNISH STIPULATED DOCUMENTS ALONG WITH TENDER IN SUPPORT OF FULFILLMENT OF QUALIFYING CRITERIA. FURTHER CORRESPONDENCE IN THIS REGARD WILL NOT BE ENTERTAINED FOR ANY REASON. NON-SUBMISSION OR INCOMPLETE SUBMISSION OF DOCUMENTS SHALL LEAD TO REJECTION OF OFFER.

TENDER FORM

Date.....

To

.....
.....
..... (Complete address of SPMCIL)

Ref: Your Tender document No.dated

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No. -----, dated ----- (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver..... (Description of goods and services) in conformity with your above referred document for the sum of (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V – “Special Conditions of Contract”, for due performance of the contract.

We agree to keep our tender valid for acceptance for a period up to -----, as required in the GIT clause 19, read with modification, if any in Section-III – “Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

..... (Signature with date)
..... (Name and designation)

Duly authorized to sign tender for and on behalf of

.....
.....

PRICE SCHEDULE

Firm's Ref No.....

Date:

DGM (IT),
Security Printing & Minting Corporation of India Ltd 16th Floor, Jawahar Vyapar Bhawan
Janpath, New Delhi – 110 001

Dear Sir,

Sub: Price Bid in Response to Tender Document
(Tender Document Number dated

For Supply, Installation and Commissioning of Video Conferencing Solution along with Five years comprehensive support services as mentioned in the above tender document, the following is the total lump sum price covering all taxes, duties and statutory levies as on the date of submission of the bid (Total Bid Price).

1. TOTAL QUOTED PRICE (In figures) `.
2. TOTAL QUOTED PRICE (In words) Rupees

The breakup of the above lump sum price is given in the tables below: (Table-1)

GST No of the firm: _____

Note:

1. The unit price of above components should be inclusive of all necessary accessories as per technical specification.
2. Bidder firm shall quote strictly as per Price bid format above Failing to which the offer shall be summarily been rejected.
3. In case of any difference in quoted price in word and figure, the value in words would prevail.
4. GST number of the bidder has to be quoted.
5. In case if Taxes are not applicable, tax exemption certificate should be enclosed along with the bid.

**Seal/Signature of Bidder
Name and Address of Bidder Firm**

Table-1

Sr. No	Items	Qty	Unit Price (Rs)	Price (Rs)	Tax (%)	Tax amount (Rs)	HSN/ SAC Code	Amount (Rs)	Location to be installed
		I	II	III = I*II	IV	V	VI	III+V	
1	Multi Point Control Unit(MCU)	1							Pl refer Section VI: List of Requirements.
2	High Definition End Points with HD PTZ camera.	16							
3	LED 4K Display Monitor (TV) with 65”	12							
4	C-AMC Charges for 5 years	1							
							Total Bid Price(Rs)		

QUESTIONNAIRE

The tenderer should furnish specific answers to all the questions/ issues mentioned below. In case a question/ issue does not apply to a tenderer, the same should be answered with the remark “not applicable”.

Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

In case a tenderer furnishes a wrong or evasive answer against any of the under mentioned question/ issues, its tender will be liable to be ignored.

1. Brief description and of goods and services offered:
2. Offer is valid for acceptance up to
3. Your permanent Income Tax A/ C No. as allotted by the Income Tax Authority of Government of India
Please attach certified copy of your latest/ current Income Tax clearance certificate issued by the above authority.
4. Status :
 - a. Are you currently registered with the Directorate General of Supplies & Disposals (DGS&D), New Delhi, and/ or the National Small Industries Corporation (NSIC), New Delhi, and/ or the present SPMCIL and/ or the Directorate of Industries of the concerned State Government for the goods quoted? If so, indicate the date up to which you are registered and whether there is any monetary limit imposed on your registration.
 - b. Are you currently registered under the Indian Companies Act, 1956 or any other similar Act? Please attach certified copy(s) of your registration status etc. in case your answer(s) to above queries is in affirmative.
5. Please indicate name & full address of your Banker(s)
6. Please state whether business dealings with you currently stand suspended/ banned by any Ministry/Deptt. of Government of India or by any State Govt.

..... (Signature with date)

.....
.....

(Full name, designation & address of the person duly authorized sign on behalf of the tenderer) For and on behalf of

.....
.....

(Name, address and stamp of the tendering firm)

BANK GUARANTEE FORM FOR EARNEST MONEY DEPOSIT

-----NOT APPLICABLE-----

MANUFACTURER’S AUTHORIZATION FORM

Date:

To

DGM (IT),
Security Printing & Minting Corporation of India Ltd 16th Floor, Jawahar Vyapar Bhawan
Janpath, New Delhi – 110 001

Dear Sirs,

Ref.: Your Tender document No..... dated.....

We, who are proven and reputable manufacturers of..... (name and description of the goods offered in the tender) having factories at..... here by authorize Messrs..... (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs..... (name and address of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We also hereby extend our full warranty, as applicable as per clause 16 of the General Conditions of Contract read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this tender document.

Yours faithfully,

.....
.....

[Signature with date, name and designation]

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

_____ [insert: Bank’s Name, and Address of Issuing Branch or Office]
Beneficiary: _____ [insert: Name and Address of SPMCIL] Date: _____
PERFORMANCE GUARANTEE No. _____

WHEREAS(name and address of the supplier) (hereinafter called “the supplier”) has undertaken, in pursuance of contract no..... dated to supply (description of goods and services) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

We undertake to pay SPMCIL up to the above amount upon receipt of its first written demand, without SPMCIL having to substantiate its demand.

This guarantee will remain in force for a period of Sixty days after the period of currency of contract and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the authorized officer of the Bank)
..... Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch
..... Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

CONTRACT FORM

(Address of SPMCIL’s office issuing the contract) Contract No..... Dated.....
This is in continuation to this office’s Notification of Award No..... Dated

1. Name & address of the Supplier:
2. SPMCIL’s Tender document No..... dated..... And subsequent Amendment No....., dated..... (If any), issued by SPMCIL
3. Supplier’s Tender No..... dated..... and subsequent communication(s) No..... dated (If any), exchanged between the supplier and SPMCIL in connection with this tender.
4. In addition to this Contract Form, the following documents etc., which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as part of this contract:
 - (i) General Conditions of Contract;
 - (ii) Special Conditions of Contract;
 - (iii) List of Requirements;
 - (iv) Technical Specifications;
 - (v) Quality Control Requirements;
 - (vi) Tender Form furnished by the supplier;
 - (vii) Price Schedule(s) furnished by the supplier in its tender;
 - (viii) Manufacturers’ Authorisation Form (if applicable for this tender);
 - (ix) SPMCIL’s Notification of Award

Note:- The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under Section –V - „General Conditions of Contract“ of SPMCIL’s Tender document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
 - (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

Brief description of goods/ services	Accounting unit	Quantity to be supplied	Unit Price (in Rs.)	Total price (in Rs.)

Any other additional services (if applicable) and cost thereof:
Total value (in figure) _____ (In words) ____

- (ii) Delivery schedule.
- (iii) Details of Performance Security.
- (iv) Quality Control
 - (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
 - (b) Designation and address of SPMCIL's inspecting officer
- (v) Destination and despatch instructions
- (vi) Consignee, including port consignee, if any
- (vii) Warranty clause
- (viii) Payment terms
- (ix) Paying authority

.....

(Signature, name and address of SPMCIL's authorized official)

For and on behalf of.....

Received and accepted this contract

(Signature, name and address of the supplier's executive duly authorized to sign on behalf of the supplier)

For and on behalf of

..... (Name and address of the supplier)

..... (Seal of the supplier)

Date:

Place:

Letter of Authority for attending a Bid Opening

(Refer to clause 24.2 of GIT)

The DGM(IT)
Security Printing & Minting Corporation of India Ltd
Jawahar Vyapar Bhawan,
Delhi – 110 001

Subject: Authorization for attending bid opening on _____ (date) in the Tender of _____

Following persons are hereby authorized to attend the bid opening for the tender mentioned above on behalf of _____ (Bidder) in order of preference given below.

Order of Preference	Name	Specimen Signatures
I.		
II.		
Alternate Representative		
Signatures of bidder or Officer authorized to sign the bid Documents on behalf of the bidder.		

Note:

1. Maximum of two representatives will be permitted to attend bid opening. In cases where it is restricted to one, first preference will be allowed. Alternate representative will be permitted when regular representatives are not able to attend.
2. Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed above is not produced.

(SECTION – XVIII)

SHIPPING ARRANGEMENTS FOR LINER CARGOES

-----NOT APPLICABLE-----

PROFORMA OF BILLS FOR PAYMENTS

(Refer Clause 22.6 of GCC)

Name and Address of the Firm.....

Bill No.

Purchase order..... No Dated

Name and address of the

Purchaser.....

S.No.	Authority for purchase	Description of Stores	Number or quantity	Rate		Price per		Amount
				Rs.	P.	Rs.	P.	
Total								

1. Others (Please specify)
2. (-) deduction/Discount
3. G.S.T.
4. Net amount payable (in words Rs.)

Dated..... (enclosed)

Place:

Date:

Received Rs..... (Rupees).....

I hereby certify that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

Revenue stamp

Signature and of Stamp Supplier

MANDATORY CHECKLIST (To be submitted along with Tender) It is mandatory to submit all the supportive documents in respect of Past Experience, Financial Standing and other documents as mentioned in Section VI, VII & IX of tender document. Please note that if any of the documents as asked in the Section VI, VII & IX of tender document are not submitted along with your offer then your offer is liable for rejection.

1. No price component has to be mentioned in PQB, Techno-commercial Bid otherwise offer will be rejected.

S. No.	Description	Yes/No
1	Tender submitted in Three Bid (PQB, Techno Commercial and Price Bid) in separate envelopes.	
2	The Tender should be submitted in Hindi/English Language. The authenticated copies of the documents in support of the applicant's claims may be submitted in Hindi/English Language.	
3	EMD to be submitted in PQB.	
4	All experience, capability and financial standing, past performances related data e.g. work order/contract copy, invoice copy, and all experience certificate etc. to be enclosed in PQB.	
5	For financial standing criteria, enclosed Balance Sheets and Profit & Loss Accounts of required financial years i.e. 2016-17, 2017-18 and 2018-19 as mentioned in section IX duly certified by certified accountants e.g. Chartered Accountants (CA) in India & certified Public Accountant/Chartered Accountant in other countries. To be enclosed in PQB.	
6	Provided the Names of Organization(s)/Firm(s) with Address & Telephone Numbers, Fax Numbers, E-mail addresses to which they have supplied similar type of services. To be enclosed in PQB.	
7	Power of attorney/Authorization indicating that authorized signatory is competent & legally authorized to submit the tender and /or enter into legally binding contract. To be enclosed in PQB.	
8	Sealed & signed copy of tender document, as a token of acceptance of all terms & conditions. To be enclosed in Techno-commercial Bid.	
9	Copy of PAN/TAN number / VAT/TIN/GST number. To be enclosed in PQB.	
10	Tender validity 180 days given.	
11	Delivery Period accepted as per tender.	
12	Price Schedule should be submitted with Price Bid in in separate envelopes.	
Signature and Seal of bidder		

*******End of Tender Document*******