

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**

CIN NO. U40109MH2005SGC153646

**Office of The Chief Engineer**  
**Maharashtra State Load Dispatch Center,**  
Thane-Belapur Road, P.O. Airoli,  
Navi Mumbai Pin – 400 708.  
Tele :91-22-27601765 / 1766  
Fax :91-22-27601769  
Email : cesldc@mahasldc.in

Ref: CELDK/ IT/VC 2017/

No 00072

Date- 11 JAN 2017

To,  
**M/S SM Networks & Solutions Pvt. Ltd.**  
67, Universal Industrial Estate,  
7 B Patel Road, Goregaon East.,  
Mumbai 400063,

**Sub: Work order for Supply, installation, commissioning and configuration of Video Conferencing device at SLDC Kalwa.**

**Ref:** 1. eEnquiry CELDK/IT/VC 2016/2198 Dated 22.11.2016.  
2. Your quotation dated 02.12.2016

Dear Sir,

With reference to e-Enquiry referred above, we are pleased to inform you that, your bid for Supply, installation, commissioning and configuration of Video Conferencing device as per the technical specification mentioned in Annexure-A at SLDC Kalwa has been accepted by this office on following terms and conditions.

**General Terms & Conditions:**

**1) Order Value:** Total value of the order for the above work is Rs. **2,97,990/-** (In Words- Rupees Two Lakh Ninety Seven Thousand Nine Hundred and Ninety Only.) Please refer Price Schedule Annexure-D.

**2) Scope of Work-**As per Annexure- B.

**3) Taxes and Duties-**The rates are accepted inclusive of all taxes and duties.

**4.) Work Completion Period:** Work should be completed successfully within 30 days from the date of issue of order.



**5.) Security Deposit-** You will have to pay security deposit amounting to **5% of the ordered value** within 7 (Seven) days from date of receipt of work order otherwise it will be deducted from your first bill. The same will be refunded to you on satisfactory execution of order. No interest will be paid on this Security Deposit while refunding Security Deposit. In the event of unsatisfactory performance of the contract or non-compliance to T&C, Scope of Works this amount will be forfeited.

**6.) Terms of payments:** You should submit your Bills in triplicate after successful execution of the work order along with Work Completion Certificate duly certified by SLDC IT Engineer and payment will be made within 30 days, subject to availability of the funds. No advance payment will be made.

**7) Other Terms and Conditions:** As per Annexure-C.

**8)** All the expenses towards visit of maintenance person & maintenance cost shall be borne by the Contractor.


**9)** Income tax, work contract tax and other taxes if applicable will be deducted as per rates applicable. Registration of service Tax is essential. Service tax will be deducted as per reverse charge mechanism if applicable.

**10) Signing of Contract Agreement:** You will have to enter an agreement with MSLDC MSETCL, in the prescribed format on bond paper of **Rs. 500/-** at your cost within 7 days from the date of the receipt of this order as per the D O ltr no. Mudrank- 2009/2707/Pra.Kra./326/M-1 dtd 09.10.09. And Co. 's Adm. Circular no. 207 dtd 17.04.10. The MSLDC, MSETCL will not be liable to pay nor shall you be entitled to claim any bill amount due or payable under the contract until the agreement is executed with MSLDC, MSETCL. The necessary Stamp Duty for the agreement shall be borne by you.

**11) Acceptance of the order.** -If agreeable to the above terms and condition, please communicate the acceptance of this order within 7(Seven) days, failing which it will be presumed that the order has been accepted by you.

Thanking You,

Yours faithfully

  
11.01.17

Chief Engineer

MSLDC, Airoli, M.S.E.T.C.L

**Encl:-** Annexure 'A'- Technical Specification

Annexure 'B'-Scope of Work

Annexure 'C'- Terms & Conditions

Annexure 'D'- Price Schedule

**Copy to:-** 1) AGM (F&A), MSLDC Kalwa

2) Master File.



**Annexure-A**  
**Specification for the Video Conferencing Equipment**

Sr. No	Parameter / Feature	Specification
01.	System	The proposed system should be compatible with existing MCU device of Polycom RPCS/RMX 1800.
02.	Video Standards and Protocols	Support for video protocols like H.261, H.263, H.264, H.264 High Profile. Support for content sharing using standards based H.239 and BFCP. Support for H.263, H.264 video error concealment.
03.	Inputs (Video/Audio)	Video: 1xHDCI 1xHDMI 1.3 1xVGA Audio: 1xMicrophone Array input port(Supporting a total of 2 Microphone Arrays) USB Headset Support. 1xHDCI (Camera) 1xHDMI 1x3.5mm Stereo line-in.
04.	Outputs (Video/Audio)	Video: 2xHDMI 1.3 Audio: 1xHDMI USB Headset Support. 1x3.5mm Stereo line-out.
05.	Network Interface	IPv4 and IPv6 support 1 x 10/100/1G Ethernet Auto-MDIX H.323 and/or SIP up to 3 Mbps RS232 with API support Support for integration with Microsoft OCS integration, MS ICE and MS Lync and Skype for Business support
06.	Camera	12x optical zoom, Auto Focus
07.	Video Resolution	1080p, 60 fps from 1740 Kbps 1080p, 30 fps from 1024 Kbps 4SIF/4CIF, 60 fps from 512 Kbps SIF (352 x 240), CIF (352 x 288) QSIF (176 x 120), QCIF (176 x 144) w288p from 128 Kbps
08.	Content Resolution	Input: HD (1920 x 1080i), HD (1920 x 1080p), HD (1280 x720p), XGA (1024 x 768), WSXGA, SXGA, UXGA, SVGA Output: HD (1920 x 1080i), HD (1920 x 1080p), WSXGA ,SXGA, XGA
09.	Audio Standard and Protocols	22 kHz bandwidth G.719 (Live Music Mode) Siren™ 14 technology, G.722.1 Annex C



		7 kHz bandwidth with G.722, G.722.1 3.4 kHz bandwidth with G.711, G.728, G.729A
10.	Other Supported Standards	H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460 BFCP (RFC 4582) TIP
11.	Security	Media Encryption (H.323, SIP):AES-128, AES-256 Authenticated access to admin menus, web interface, and telnet API H.235.6 support FIPS 140-2 Validated Cryptography(Validation Certificate #1747) PKI/Certificate Management: -- SSL 3.0, TLS 1.0, 1.1, 1.2 -- Self-signed and CA-signed certificate support -- CRL and OCSP-based certificate revocation checking Network intrusion detection system Local account password policy configuration Security profiles Web UI/SNMP Whitelists Local account and login port lockout API via Telnet and secure SSH interfaces




## ANNEXURE 'B'

### Scope of Work

Scope of works includes but not limited to the following tentative works

1. Supply, Installation, commissioning and configuration of the equipment mentioned in Annexure-A as per the requirement of MSETCL.
2. Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment's and/or needed for erection, completion and safe operation of the equipment's as required by applicable codes though they may not have been specifically detailed in the tender document, unless included in the list of exclusions. All similar standard components/parts of similar standard equipment's provided shall be interchangeable with one another.
3. The Bidder shall be responsible for providing all materials, equipment's, and services, specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within his quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force of the date of award of this contract.
4. The bidder shall also be responsible for deputing qualified personnel for installation, testing, commissioning and other services under his scope of work. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
5. The installation of equipment shall be accepted only after installation tests are over. Integration test needs to be done by the bidder, wherein video conferencing demonstration needs to be done between 2-3 locations using MPLS/Internet links.
6. Monitors for this Video Conferencing system will be provided by the MSLDC Office.
7. Scope of Work shall also include
  - a. Powering on equipment after ensuring correctness of terminations interfaces and power supply and making the system ready for testing and commissioning.
  - b. Configuration of the equipment as per the requirements of MSETCL.
  - c. Assistance for familiarization and operation of the installed system & services for One Year after acceptance of system.
  - d. Onsite warranty for all Installation and Hardware delivered for minimum one year and extended as per OEM guarantee/warranty offered.

  
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Chief Engineer  
MSLDC, Airoli, M.S.E.T.C.L




## ANNEXURE 'C'

### TERMS and CONDITIONS:

1. **Work Completion Period:** Work should be completed successfully within 30 days from the date of issue of order.
2. **Penalty for Late Delivery:** if the contractor fails to complete the work within stipulated period as above, penalty towards delay @ ½ % per week maximum extent of 10% of order value will be levied and deducted from bill for non-execution of work.
3. **Penalty for downtime:** Agency/Company should solve the problem within two working days from the time of issue reported. If this downtime exceeds more than two working days then Rs. 100/- per day maximum extent of 10% of order value will be charged as penalty.
4. **Payment:** You should submit your Bills in triplicate after successful execution of the work order along with Work Completion Certificate duly certified by SLDC IT Engineer and payment will be made within 30 days, subject to availability of the funds. No advance payment will be made.
5. **Security Deposit:** You will have to pay security deposit amounting to 5% of the ordered value , otherwise it will be deducted from your first bill. The same will be refunded to you **ONE YEARS** after satisfactory execution of the order. In the event of unsatisfactory performance of the contract or non-compliance to T&C this amount will be forfeited.
6. No extra charges for transportation, T&P, labour, material etc. will be paid, it will be arranged by you only.
7. When the configuration/ feature required is not available in a particular model, next available higher configuration model shall be offered
8. **Consignee for supply**  
The consignee are as below or his authorized representative  
Chief Engineer(SLDC), State Load Despatch Centre, MSETCL, Thane Belapur Road,  
Airoli, Navi Mumbai 400 708
9. **Support Period:** You will provide services for any technical problem in the executed work for the period of **ONE YEAR** in coordination with OEM.
10. If any dispute arises, the decision of the undersigned is final and binding on you.
11. The undersigned reserves the right to cancel any or all the quotations without assigning any reason thereof.
12. If any loss occurs to MSLDC property during execution of works, you should make it at good at your cost.
13. Income tax/WCT will be deducted as per rules.



14. No increase, decrease, discount reduction or any other changes in the price will be acceptable after the opening of the quotation.
15. Partial supply/installation/commissioning will not be accepted by the MSETCL. No any payment will be made for partially executed work.
16. Any variation in the rates, etc. will not be allowed on any ground such as mistake, misunderstanding, typographic etc. after the bid has been submitted.
17. During the period of contract, no upward revision of charges will be accepted.
18. In case of dispute, if any, the legal jurisdiction of the court shall be Mumbai only.
19. Apart from the above points, all the terms and conditions published by MSETCL in booklet "Tender & Contract of Works" are applicable here also.
20. **General Conditions:** Bidder will be deemed to be fully aware of the MSETCL's General conditions of contract for the supply of plant, equipment and material particularly in respect of security deposits, terms of payment penalty for late delivery etc. Any ignorance of these conditions will not exempt you from your liability to abide by the same. General conditions are applicable as per MSETCL Rules and regulations. Moreover, the right to reject any or all tenders in part or full without assigning any reason is reserved by the undersigned. Also the undersigned reserve the right to alter/amend /cancel any or all the terms and conditions stipulated above at any time in the interest of company without assigning any reasons thereof
21. **Signing Of Contract Agreement:** In case order is placed, you will have to enter an agreement with MSLDC, MSETCL, in the prescribed format on bond paper of Rs. 500/- amount (Amendment vide Maharashtra Stamp Act, 20 of 2015) at your cost within 7 days from the date of the receipt of order as per the D O ltr no. Mudrank-2009/2707/Pra.Kra./326/M-1 dtd 09.10.09. And Co. 's Adm. Circular no. 207 dtd 17.04.10. The MSLDC, MSETCL will not be liable to pay nor shall you be entitled to claim any bill amount due or payable under the contract until the agreement is executed with MSLDC, MSETCL. The necessary Stamp Duty for the agreement shall be borne by you.
22. **Termination:**
  - a. The contract will be reviewed in terms of the performance and services provided by you. If the performance is not found satisfactory, the contract can be terminated by MSETCL giving Fifteen Days notice to the agency.
  - b. In the event, MSETCL decides to cancel the contract due to unsatisfactory performance and Service; the Security Deposit will be forfeited.
  - c. In case of Termination of Contract by the agency before expiry of the contract period, in that case the Security Deposit will be forfeited and charges payable to the agency will not be given

  
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
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**Annexure 'D'**  
**Price Schedule**

Sr. No	Particular	Qty	Price per Unit	Total Price
1	VC device along with Camera, Remote, Cable and required accessories as per Technical Specification Annexure-A	1	2,54,000/-	2,54,000/-
2	One Year Essential Support	1	25,000	25,000/-
3	MVAT @6% on Sr.(1)			15,240/-
4	Service Tax @15% on Sr.(2)			3,750/-
	<b>Total</b>			<b>2,97,990/-</b>

(In Words: Rupees Two Lakh Ninety Seven Thousand Nine Hundred and Ninety Only. Inclusive of VAT and Service Tax)

  
 Chief Engineer  
 MSLDC, Airoli, M.S.E.T.C.L