

Tender No & Date: SDI9675P16 Dtd. 19.12.2015

Amendment No. 1 dtd. 22.01.2016 to ANNEXURE-IA

NOTE: Document No. Amendment No 1 dated 22.01.2016 to ANNEXURE-IA shall supersede the previous document ANNEXURE-IA. Bidders are requested to quote as per document Amendment No. 1 dated 22.01.2016 to ANNEXURE-IA only.

TECHNICAL SPECIFICATIONS WITH QUANTITY.

	Complied / Not Complied. (Remarks if any)
<p>ITEM NO. 10, VIDEO CONFERENCE SYSTEM, (QTY. – 1 NO.)</p> <p>The proposed video conferencing system should be standalone unit supplied with HD 1080p Codec, HD Camera, & necessary accessories, cables. The system should be capable of working on IP (H.323), SIP & H.320 and also capable of delivering 1080p@30fps from day-1.</p> <p>Must have support for following Specifications:</p> <p>Video Standards & Protocols:</p> <ul style="list-style-type: none"> # H.264 # H.263++ # H.261 # H.239 / People+Content # H.263 and H.264 Video Error Concealment # H.264 & H.264 Higher Version of protocols like H.264 High Profile <p>People Video Resolution:</p> <ul style="list-style-type: none"> # On IP H.323 should deliver: 1080p@ 30fps from 1024 kbps onwards 720p@ 60fps from 832kbps onwards 720p@30fps from 512 kbps onwards 4SIF (704 x 480)/4CIF (704 x 576) from 128 Kbps onwards # Should support resolution SIF (352 x 240), CIF (352 x 288) QSIF (176 x 120), QCIF (176 x 144),4CIF, HD 720p, HD 1080p all at @ 30fps & 720p @60fps on IP,SIP,H.320 <p>Content Video Resolution:</p> <ul style="list-style-type: none"> # HD Content at full frame rate # Up to HD 1080p # Input: SXGA (1280x1024), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480) # Output: XGA (1024x768), SVGA (800x600) <p>Camera Specifications:</p> <ul style="list-style-type: none"> #1080p Camera - 1/3 2 CMOS - 12x optical zoom - 70 deg FOV at min zoom - 1920 X 1080 resolution <p>Audio Standards & Protocols:</p> <ul style="list-style-type: none"> # StereoSurround # 2 channels of 22 kHz or more stereo surround audio 	

14kHz bandwidth with 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
Automatic Gain Control
Automatic Noise Suppression
Instant Adaptation Echo Cancellation
Audio Error Concealment
Other ITU-Supported Standards & Protocols:
Other ITU-Supported Standards
H.221 communications
H.224/H.281 far-end camera control
H.323 Annex Q far-end camera control
H.225, H.245, H.241, H.331
H.239 dual stream
H.231 in multipoint calls

Compliance

H.243 chair control
H.460 NAT/firewall traversal
BONDING, Mode 1

Network:

Interface
- 2-port 10/100 auto NIC switch, RJ45 connectors
H.323, SIP up to 6 Mbps
H.320 (To be supplied with inbuilt card or external module or gateway)

~~# ISDN PRI-E (Deleted)~~

~~# ISDN BRI (Deleted)~~

QoS
Packet Loss Recovery protocol for QoS

Video and Audio inputs and outputs

Minimum 4 Video Inputs:

Main HD Camera (HDMI/HDCI/DVI)
Second HD Camera (HDMI/HDCI/DVI)
Aux/Doc (S Video)
Content (DVI-I)

Minimum 3 Video Outputs:

Monitor 1 (DVI-I/HDMI)
Monitor 2 (DVI-I/HDMI)
VCR (SVideo)

Minimum 3 Audio Inputs:

2 X Microphone Input in direct or in array.
2 X RCA for VCR/Aux (In Stereo)
1 X Mini Stereo or RCA for PC Audio

Minimum 2 Audio Outputs:

- # 2X RCA for Main Audio (In Stereo)
- # 2 X RCA for VCR/Aux (In Stereo)
- # RS232
- # USB
- # RJ-11 Analog Line Audio PSTN Integration
- # VOIP Conference Phone Integration

Content Sharing

- # People and Content both shared in High Definition
- # People+Content or standards based H.239 ensures interoperability in the industry
- # Dual images allows the far end to see the presentation and the speaker at the same time
- # Optional Content feature allows for users to become part of their presentations
- # Flexibility to choose the amount of bandwidth to dedicate to Content or People based upon what is being shown
- # System will automatically adjust bandwidth allocation when sharing content based upon content being shown
- # Very powerful for users who share a wide range of content during a video call

User Interface

- # Directory Services
- # System Management
 - Web-based
 - SNMP

CDR

Security

- # Secure Web
- # Secure Telnet
- # Security mode
- # Embedded AES, H.235V3 and H.233/234
- # Secure password authentication

Packet Loss Recovery Protocol

- # Communications remain intact even on disruptive networks
- # Smooth, continuous video without interruptions
- # Activates automatically, only when needed

Other Features

- One touch recording and playback buttons on remote control
- LCD Display on remote unit for better understanding of features
- Mute button on mic for ease of use
- Must have an option to connect Digital Ceiling Microphones.

Technical Specification for 40 Inch LED Professional Monitor(4 No.s)

Dual Display (Monitor) System must be provided with each video conference system.

Diagonal Size: minimum 101.6cm (40 inch)

Type:60Hz LED BLU

Resolution: 1,920 x 1,080 (16:9)

Pixel Pitch (mm): 0.15375 (H) x 0.46125(V)

Active Display Area (MM): 885.6 (H) x 498.15 (V)

Brightness(Typ): 350nit

Contrast Ratio (Dynamic):100,000:1 (AV Mode)

Viewing Angle(H/V):178/178°

Response Time(G-to-G): 8ms

Display Colors: 16.7M

Color Gamut: 72%

Contrast Ratio: 5,000:1

Connectivity:

INPUT: RGB - Analog D-SUB, DVI-D (Dual Link)

VIDEO -Component, CVBS, HDMI

AUDIO - Stereo mini Jack

EXTERNAL CONTROL: RS232C (In/Out),RJ4

Power Supply: AC 100 - 240 V~(+/- 10 %), 50/60 Hz

Operating Temperature: #0# Degree to #40# Degree

Humidity: 10~80%

Processor: Cortex-A8 Single Core CPU with NEON DSP

Clock Speed: 800MHz

Main Memory Interface: Dual 32bit DDR3-667 (1,333MHz)

Graphics: 2D & 3D Graphics Engine

- Up to 1,920 x 1,080. 32bpp

- Supports OpenGL ES

Multimedia: Video Decoder

- MPEG-1/2, H.264/AVC (Dual)

- VC-1, JPEG, PNG Audio DSP (Decoder)

- AC3 (DD), MPEG, DTS and etc.

Environment: ENERGY STAR 5.0 (USA)

Accessories To be included: Quick Setup Guide, Warranty Card ,
Application CD, D-Sub cable, Power Cord, Remote Controller, Batteries

Technical Specification for Display Mounting and Camera mounting Trolley:

Physical Characteristics: i)Big case with appropriate opening

ii)Proper ventilation system

iii)Interior shelves to accommodate DVD/VCRs

iv) Tilting and sliding in front door with lock, IR
transparent for equipment control without opening

v) Proper storage place for cable etc. to ease of moving
the whole system.

vi) The trolley must support the video conference system and the two monitor(40 inch).
Otherwise individual stand for the monitors must be provided.

<p>ITEM NO. 20, INSTALLATION & COMMISSIONING, (QTY. – 1 AU)</p> <ol style="list-style-type: none"> 1. Installation and commissioning of the end point and other equipments ordered has to be carried out within 10 (ten) days of receipt of material at OIL, Kolkata Office. 2. Equipments installation will be considered complete only when the systems will work with our existing Polycomm RMX, RSS and CMA servers installed in Data Centre at Duliajan. 3. Installation and commissioning will be considered complete only after completion of training and the same duly certified by OIL, Kolkata Office 4. The bidder has to quote separately for Installation and Commissioning charges. 	
<p>ITEM NO. 30, TRAINING, (QTY. – 1 AU)</p> <ol style="list-style-type: none"> 1. The bidder has to organise training on configuration and operation of all the supplied equipment to four (4) personnel of Oil India Limited immediately after installation and commissioning on site 2. Each training session should be for a minimum period of two days. 3. The bidder has to quote separately for Training Charges. 	
<p>ITEM NO. 40, AMS FOR 4 YEARS (QTY. – 1 AU)</p> <ol style="list-style-type: none"> 1. The bidder must quote for on-site Annual Maintenance Charges (AMC) for all supplied equipments on per year basis, for a period of 4 years. 2. AMC will start after successful completion of warranty period. 3. AMC will include supply of all spares. 4. The AMC charges will be considered for Bid Evaluation 5. The bidder has to rectify any fault including replacement of spare parts within 72 hrs. of lodging a call report. 6. The bidder has to provide the contact address and phone numbers of person/ persons who will be responsible for coordinating the warranty and AMC maintenance activities at OIL, Kolkata as a single point contact for OIL. 7. The bidder must supply and install all upgrades/ new release of supplied software/ firmware/ drivers etc. during the AMC period. 	
<p>DELIVERY</p> <p>1.Items ordered will have to delivered at OIL, Kolkata Office as per the address given below:</p> <p>Oil India Limited Calcutta Branch 4 India Exchange Place Indian Chamber Of Commerce, 4th Floor Near Tea Board. Kolkata 700001</p>	
<p>WARRANTY:</p>	

<p>1. The bidder has to provide minimum 1 year on site comprehensive warranty for all material supplied.</p> <p>2. The bidder must supply and install all upgrades/ new release of supplied software/ firmware/ drivers etc. during the warranty period.</p>	
<p>PRE- DELIVERY INSPECTION</p> <p>1.OIL reserves the right to send their personnel for pre-delivery inspection of the equipment at the bidder's/ OEM's premises at its own cost.</p> <p>2.Any item found not to conform with OIL's NIT specifications during pre-delivery inspection has to be replaced with item conforming to NIT specification before shipment.</p>	
<p>PAYMENT TERMS:</p> <p>1 80 % of material cost will be paid on completion of delivery of all items as per OIL's delivery instructions mentioned in this NIT.</p> <p>2 20 % of material cost will be paid only after successful integration and installation & commissioning of the Video Conferencing facility between OIL, Kolkata office and Other offices.</p> <p>3. The Training charges will be paid only after successful completion of training, at OIL Kolkata Office, as mentioned in the Training Clause.</p> <p>4 AMS charges will be paid on quarterly basis from the date of start of AMS services, and after successful completion of AMS services for that period.</p> <p>6 Installation & commissioning and training charges will be paid only after successful completion of Installation, Integration and commissioning of the Video Conferencing facility between OIL, Kolkata office with other offices.</p>	
<p>PENALTY TERMS:</p> <p>During the AMS/Warranty period, any failed device shall have to be repaired/ replaced with a new/ standby device within 72 hrs. of reporting the failure. Necessary configuration of the replacement device for proper operation of the device will be the responsibility of the successful bidder. During the AMS/Warranty period, the engineer attending the call shall have to submit a call report mentioning nature of the fault, action taken, any replacement of parts, serial no. of replaced equipment, serial number of replacement equipment and any other details of the call to OIL. The report has to be duly signed by OIL's IT engineer and then only the call shall be considered as attended. In case of failure on the part of the successful bidder to rectify the problem within 72 hrs of reporting it, the tenure of the AMS/Warranty will be extended on a pro-rata basis till the rectification of the fault, at no extra cost to OIL. Payment for the period during which service was not provided will be deducted from the corresponding invoice on a pro-rata basis, calculated on the nominal no. of days affected.</p>	
<p>SPECIAL TERMS AND CONDITIONS:</p> <p>Presently Oil India Limited has nine sets of video conferencing systems from Polycom, including both Hdx 7000 and Hdx 8000. Apart from this we also have Polycom RMX 2000, RSS 2000(Model E200)and CMA 4000 servers.</p>	

<p>The set of video conferencing system to be supplied by the successful bidder must be compatible with our existing video conferencing systems and related servers mentioned above. The successful bidder will have the responsibility of interfacing his supplied equipment with OIL's existing systems.</p>	
<p>GENERAL TERMS AND CONDITIONS:</p> <p>1.For each item quoted, a duly filled technical verification data sheet (TVDS) along with all supporting technical datasheets (for all sub assemblies) should be submitted along with the bid.</p> <p>2.At the time of delivery if the quoted model becomes obsolete or End-of-Sale, then bidder should replace it with the latest model of the same or higher configuration at the same quoted price and terms & conditions after approval from competent authority in OIL.</p> <p>3.Bid(s) not complying with Technical Specifications, Delivery, installation & commissioning, Training, AMS, Warranty and Payment clauses will be rejected.</p> <p>4.The Bidder has to be OEM/Joint Venture of OEM/Subsidiary of OEM/Authorized Dealer of OEM. Joint Venture companies, subsidiaries and authorized dealers must submit Authorisation certificate (in original) from OEM, as per Annexure-A, attached herewith, stating that the OEM will provide support directly or through the particular dealer during the warranty period including replacement of spares and the validity of the certificate should be for a minimum period of 18 months from the date of submission of offers/bids, failing which, their offer will be rejected.</p> <p>5. The Bidder should provide an Undertaking of authenticity of IT Hardware/Software supplies,(in original), from OEM, as per Annexure-B, should be attached, stating that no refurbished/ duplicate/ second hand components/ parts/ assembly/ software, shall be used, failing which, their offer will be rejected.</p> <p>6. Printed Technical Brochure/Product Catalogue for the make/model offered must be attached with the Bid. Bids not accompanied by technical brochures/catalogues will be rejected.</p>	

NOTE:

- a) Non-Disclosure Agreement attached.
- b)Annexure-A and Annexure-B attached

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.