

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan, Pin – 786602
Dist-Dibrugarh, Assam

AMENDMENT NO. 5 Dated 05.08.2024 to E-Tender No. CNI6661P25 for “Furnishing of the Conference Hall at the Office of Frontier Basin Project, Oil India Limited, Duliajan including interior Electrical Works, False Ceiling, Sound proof Panelling of walls, installation of furniture and Audio-Visual System”

This Amendment to the tender has been issued for the following:

- i. Extension of Dates:
 - Last Date of Bid Submission extended up to **13.08.2024 (11:00 Hrs IST)**
 - Date of Bid Opening extended up to **13.08.2024 (14:00 Hrs IST)**
- ii. Revision of few tender clauses as mentioned in **ENCLOSURE-I.**

All other Terms and Conditions of the Tender/Bid Document (including previous Amendment(s), if any) will remain unchanged.

REVISED CLAUSES OF E-TENDER NO. CNI6661P25

A. Clause No. 3.2 of Part-3 (SCOPE OF WORK/ TECHNICAL SPECIFICATIONS) in Page No. 30 of the tender stands revised as below:

Quote:

3.2 AUDIO & VIDEO SYSTEM:

- a. Supplying, installation, testing, commissioning and placing in position, including maintenance of PA system at Conference Hall compatible for Video Conferencing, comprising of the following equipment/ components of reputed brand/make and model:

(Minimum Technical Specifications required for respective components must be as per **REVISED ANNEXURE-I** to Part-3 the tender)

- i. 08 Nos. of gooseneck Microphone with shock mount with embedded mute switch along with 01 No. of Digital Controller Unit for above Microphone.
- ii. 06 Nos. of 30 W Ceiling Speaker.
- iii. 01 No. of Digital Signal Processor.
- iv. 01 No. of 200W Amplifier.
- v. 03 Nos. of Pop-Up Box for Conference Table.
- vi. 01 No. of 4x2 HDMI Auto Switcher.
- vii. 04 Nos. of HDMI patch cable -10/15 Mtr.
- viii. 01 No. 43" UHD professional display-for chairman with floor mount.
- ix. 01 No. 85" (or higher) UHD Professional Display/ Panel with bracket.
- x. 01 No. of Portable Video Conferencing System (As per dimensions of the hall 32ft L X 23ft B and 10ft H)
- xi. Lumpsum Cables & Connectors.
- xii. 01 No. Equipment Rack for above components.
- xiii. 01 No. of USB Extender over CAT-6- 50 mtrs.

Note: Bidder must submit in their technical bid, the certificates/ letters of OEM Authorisation for supply, installation and maintenance of all of the above equipment/ components.

- b. The Audio-Video System that needs to be integrated in the hall through above mentioned equipment must achieve the below mentioned functionality:
- i. Three AV input sources as listed below should provide the same output to both the Displays.
 - ii. Out of 03 inputs, 01 input shall have the facility to connect to the Video Conferencing System, while the remaining 02 inputs shall be used for local presentation (One shall be placed on the Conference Table and the other shall be on the Podium).
 - iii. The Gooseneck Microphones on the table as well as on the Podium need to be integrated in such a manner that all the microphones should work as input during a VC call.
 - iv. During Video Conferencing, far end should be audible from the ceiling speakers only. Also for local video presentation, sound should be audible from the ceiling speakers.

Note: Any additional cable or connectors required to achieve the above mentioned functionality shall have to be arranged by the contractor at no additional charges to OIL.

- c. Bidder should provide and seek OIL's approval of the internal layout of the entire wiring of PA system prior to installation. PA system should house either in a movable or fixed cabinet.

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B. REVISED ANNEXURE-I to Part-3 of the tender (in Page 33) is furnished below:

Quote:

Sl. No.	Item	Qty	Specifications	Compliance (Yes/No)
i	Gooseneck Microphone	8 Nos.	<p>Pre- polarized condenser gooseneck microphone with overall length of 450mm or better, With XLR3M- type connector, shall offer radio frequency interface (RFI) shielding against Intermodulation from wireless equipment or devices, cardioid microphone capsule with Uniform 120° angle of acceptance (-3dB) or better, frequency response of 50 Hz to 17,000 Hz or better and sound input levels handling capability of minimum 123 dB SPL or better, Nominal equivalent noise level of 26 Dba or better and output shall be low impedance balanced. To be supplied with having mute switch and color changing LED indicator.</p> <p>OEM Authorization has to be submitted along with the bid.</p>	
ii	Ceiling Speakers	6 Nos.	<p>Two Way Ceiling Speakers with Speaker type: 2-way, Acoustic suspension, Frequency range (-10dB): 65Hz - 20kHz, Nominal coverage: 110° conical , LF Component: 6" Cone, HF Component: 0.8" Soft dome, Program Power: 30W or higher, Nominal Impedence: 8 Ohms, Transformer taps on 100V: 30W, 15W, 7.5W. Sensitivity : 89dB SPL.</p> <p>OEM Authorization has to be submitted along with the bid.</p>	

iii	Digital Signal Processor	1 No.	<p>Digital Signal Processor should support Open Architecture Digital Signal Processor with minimum 12 Mic/Line inputs and 12 Line outputs. Shall support phantom power on each microphone input. AEC channels - 16 or more with 200ms tail length. POTS and SIP Softphone integration for Audio conferencing. USB-B port supporting AV USB Bridging for software or web-based conferencing applications emulating USB Audio (Speakerphone) and USB Video (Camera) driver. 24 bit-A/D-D/A converters or better, 48 kHz Sample rate or better, Input frequency response of 20 Hz to 20 kHz or better, Input dynamic range > 109 dB or better. The processor should support Network amplifiers and Expanders without any additional cards or accessories.</p> <p>OEM Authorization has to be submitted along with the bid.</p>
iv	Amplifier	1 No.	<p>4 Channel ENERGY STAR amplifier / Multichannel operation 60 watts into 8 Ω & 4 Ω, Bridged pair operation 200 watts into 8Ω & 4Ω, and 250 watts into 70v and 100v / 100-240 VAC Operation.</p> <p>OEM Authorization has to be submitted along with the bid.</p>
v	Pop-Up Box	3 Nos.	<p>Pneumatic Type Pop-Up Box with HDMI, Audio, USB and LAN Connections, 2X Unswitched AC Power 220V, 13 Amp Outlet.</p>
vi	4X2 HDMI Auto Switcher	1 No.	<p>Interfaces: 4 x HDMI Type A Female, Video Output: 2 x HDMI. Should support video resolution upto 4K/60 @ (4:4:). Should support HDMI 2.0 specification features include data rate up to 18 Gbps. Should have inbuilt audio-embedder .</p> <p>OEM Authorization has to be submitted along with the bid.</p>
vii	HDMI Cable	4 Nos.	<p>HDMI Cable with HDMI (3D, Deep Color, 4K); HDCP 1.4 compliant. Superior video quality – True 4K @30Hz. Gold-plated connectors for reliable transmissions. Length: 15 Mtrs.</p>
viii	43" (or higher) UHD display- for chairman	1 No.	<p>Minimum 43" HD Ready resolution LED Display with latest OS, Minimum 400 nits brightness, Cortex A55 1.1Ghz processor, Mali G31 MP2, Open GLES3.2, 1.5 GB DDR RAM, 8 GB Memory, Wi-Fi Type support both 2.4 & 5G Standard, Dolby Audio, Built in Wi-Fi and Chromecast, HDMI CEC, HDMI ARC, Built-in Bluetooth, Hotel mode, Meeting Mode, 20W built in speakers, HDMI 2.0 X 2, AV</p>

			<p>X 1, USB X 2, RJ45 X 1, SPDIF Out x 1, 24/7 operational. Certificate/Regulation: CE, UL, BIS, EMC-Class B or better, ENERGY STAR 8.0, EPEAT, IP Rating IP5x or better, Safety 60950-1/62368-1 (or better) And ISO: 9001, 14001, 45001, 27001, 27701 required</p> <p>OEM Authorization has to be submitted along with the bid.</p>	
ix	85" (or higher) UHD Professional Display/ Panel	1 No.	<p>UHD Professional LED Display with built-in latest OS, Diagonal size: 85 inch or higher Resolution: 3840 x 2160 (4K) 16:9 Brightness: 400 nits or higher Contrast Ratio: 4000:1 Dynamic Contrast ratio: Mega Viewing angle (H x V): 178 x 178 degree Bezel Width(mm): 13.9mm(even) or less Response Time: 8 ms or better Display Colors: 16.7M or better Color Gamut: NTSC 72% or better Audio/Speaker: Built in Speaker (10W+10W) Input type: HDMI 2.0 (3), USB 2.0 x 2 & HDCP2.2 Duty Cycle: 16 x 7 or higher Special Features Required: - Hardware: HAZE 2%, Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Signage New Home Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode Upgradable Web-Engine Video Conference Solution HDR Support Internal Player Features: 1.3Hz Quad Core CA53 or better CPU, 8GB Storage File Support: Direct viewing of PPT, Word, PDF, Images and Video from pen drive Remote Controlling of Device: Laptop / Desktop should be controlled remotely by external Keyboard and mouse through display Operating Temperature: 0°C~ 40°C</p> <p>Certificate/Regulation: CE, UL, BIS, EMC-Class B or better, ENERGY STAR 8.0, EPEAT, IP Rating IP5x or better, Safety 60950-1/62368-1 (or better) And ISO: 9001, 14001, 45001, 27001, 27701 required.</p> <p>OEM Authorization has to be submitted along with the bid.</p>	

<p>x</p>	<p>Video Conferencing System</p>	<p>1 No.</p>	<p>Should be Portable, and integrated with AV System of the Hall.</p> <p>CAMERA: Smooth motorized pan, tilt and zoom, controlled from remote or console (260°pan, 130° tilt, minimum 10x optical & digital lossless HD zoom, Full HD 1080p 60fps)</p> <p>REMOTE CONTROL: (Dockable remote control, 8.5m/28-foot range)</p> <p>SPEAKERPHONE: (Full-duplex performance, Acoustic echo cancellation)</p> <p>Microphones: (Tx) (Four omni-directional microphones supporting, 20-foot diameter range, Also required additional extension Mic)</p> <p>Speakers (Rx): (Frequency response: 120Hz – 14KHz)</p> <p>HUB / CABLE: (Central mountable hub for connection of all Components)</p> <p>COMPLIANCE AND TOOLS: (USB 3.0 compliant). Also has to be Compatible with Windows, Mac OSX, Linux and Android.</p> <p>OEM Authorization has to be submitted along with the bid.</p>	
<p>xi</p>	<p>Cables and Connectors</p>	<p>As per requirement</p>	<p>Installation Signal Cable, 1.5 Sqr MM ATC Double Insulated Speaker Cable, Cat6 UTP Cable, XLR Connectors, TRS Connectors, EP Connectors and RJ 45 Connectors.</p>	
<p>xii</p>	<p>Equipment Rack</p>	<p>1 No.</p>	<p>17U Floor Mount Equipment Rack with, 2 Nos of PDU, 2 Exhaust Fans, Caster Wheels with Lock, Mounting Hardware and Cable Manager.</p>	

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