

**OIL INDIA LIMITED**

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

**CORRIGENDUM**

Corrigendum No. 2 dated 11.09.2019 to IFB No. CDI2008P20

This Corrigendum No. 2 dated 11.09.2019 to IFB No. CDI2008P20 for “Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.” is issued to notify the following:-

1. Bid Closing Date & Time : Extended up to 26.09.2019 [11.00 Hrs (IST)]
2. Bid Opening Date & Time : Extended up to 26.09.2019 [14.00 Hrs (IST)]
3. Amendment of Clauses as per **Annexure-R**.
4. New Price Bid Format uploaded under ‘Notes and Attachments’ tab.

All others terms and conditions of the Bid Document remain unchanged. Details can be viewed at [www.oil-india.com](http://www.oil-india.com)

---

Manager-Contracts

Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.

S.No.	Tender Clause No.	Existing Tender Clauses	Amendments
<b>FORWARDING LETTER</b>			
1	Note under forwarding letter clause No. 3.0	<p>OIL has appointed Shri Rajiv Mathur, IPS (Retd.), Shri Satyananda Mishra, IAS (Retd.) and Shri Jagmohan Garg, Ex-Vigilance Commissioner as Independent Monitors (IEM) for a period of 03 (three) years to oversee implementation of Integrity Pact in OIL. Bidders may contact the Independent External Monitors for any matter relating to the IP at the following addresses:</p> <p>a. Shri Rajiv Mathur, IPS (Retd.), Former Director, IB, Govt. of India E-mail: rajivmathur23@gmail.com</p> <p>b. Shri Satyananda Mishra, IAS (Retd.), Former Chief Information Commissioner of India &amp; Ex-Secretary, DOPT, Govt. of India E-mail: satyanandamishra@hotmail.com</p> <p>c. Shri Jagmohan Garg, Ex-Vigilance Commissioner, CVC E-Mail id: jagmohan.garg@gmail.com</p>	<p>OIL has appointed Shri Rajiv Mathur, IPS (Retd.), Shri Jagmohan Garg, Ex-Vigilance Commissioner and Shri Rudhra Gangadharan, IAS(Retd.) as Independent Monitors (IEM) for a period of 03 (three) years to oversee implementation of Integrity Pact in OIL. Bidders may contact the Independent External Monitors for any matter relating to the IP at the following addresses:</p> <p>a. Shri Rajiv Mathur, IPS(Retd), Former Director, IB, Govt. of India E-mail: rajivmathur23@gmail.com</p> <p>b. Shri Jagmohan Garg, Ex-Vigilance Commissioner, CVC E-Mail id: jagmohan.garg@gmail.com</p> <p>c. Shri Rudhra Gangadharan, IAS(Retd.), Ex-Secretary, Ministry of Agriculture; E-Mail: rudhra.gangadharan@gmail.com</p>
2	Note under forwarding letter clause No. 4.0	<p>The Bank Guarantee issuing bank branch shall ensure the following:</p> <p>a) The Bank Guarantee issued by the bank shall be routed through SFMS platform as per the following details:</p> <p>i) "MT 760/MT 760 COV" for issuance of bank guarantee. ii) "MT 760/MT 767 COV" for amendment of bank guarantee.</p> <p>The above message/intimation shall be sent through SFMS (indicating the Tender/Contract Number, as applicable) by the BG issuing bank branch to Axis Bank, Duliajan Branch, IFS Code: UTIB0001129, Branch address: AXIS Bank Ltd., Duliajan Branch, Daily Bazar, Jyotnagar, Duliajan, District Dibrugarh, PIN: 786602.</p> <p>b) Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.</p>	<p>The Bank Guarantee issuing bank branch shall ensure the following:</p> <p>a) The Bank Guarantee issued by the bank shall be routed through SFMS platform as per the following details:</p> <p>i) "MT 760/MT 760 COV" for issuance of bank guarantee. ii) "MT 760/MT 767 COV" for amendment of bank guarantee.</p> <p>The above message/intimation shall be sent through SFMS (indicating the Tender/Contract Number, as applicable) by the BG issuing bank branch to HDFC Bank, Duliajan Branch, IFS Code: HDFC0002118, Branch address: HDFC Bank Limited., Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, District Dibrugarh, PIN: 786602.</p> <p>b) Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank of India shall not be acceptable.</p>

Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.

S.No.	Tender Clause No.	Existing Tender Clauses	Amendments
<b>GENERAL CONDITIONS OF CONTRACT (GCC)</b>			
3	Note under GCC clause No. 10.0	All Invoices are to be sent to the following address: Chief General Manager – Geophysics Oil India Limited, P.O. Duliajan-786602 Dist. Dibrugarh, Assam.	All Invoices are to be sent to the following address: General Manager – Public Affairs Oil India Limited, P.O. Duliajan-786602 Dist. Dibrugarh, Assam.
<b>PART-II SOQ, ANNEXURE-A to PART-II SOQ AND PRICE BID</b>			
4	PART-II SOQ, ANNEXURE-A to PART-II SOQ & Price Bid Format	PART-II SOQ, ANNEXURE-A to PART-II SOQ and Price Bid Format of the original tender.	PART-II SOQ, ANNEXURE-A to PART-II SOQ have been revised and attached hereunder. New Price Bid Format is also uploaded under ' <b>notes and attachment</b> '.

OIL INDIA LIMITED			
(A Government of India Enterprise)			
Duliajan, Assam			
Revised (SOQ) Schedule of Work, Unit and Quantity			
<p><b>DESCRIPTION OF WORK/ SERVICE:</b>Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting &amp; crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.</p>			
Item No.	Description of Services	UOM	Quantity
10	<p>Supply, Installation, Testing and Commissioning of Active DI Boxes for electronic instruments.</p> <p><b>Technical Specification :</b> Input Connections 2 x 1/4" TS phone, 1 x XLR, Output Connectors 1 x XLR, Input Level 30dBu, Output Level 10dBu with load &gt;2kΩ</p> <p>Controls -30dB input pad, Ground lift switch, Frequency Response 20Hz to 20kHz, +0.5/-1.0 dB. Noise -100dBu, 20Hz to 20kHz unweighted, Power +48VDC phantom power. Housing/enclosure should be rustfree powder coated steel frame.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	Number	2.00
20	<p>Supply, Installation, Testing and Commissioning of Floor box with 3 x XLR connector for Microphone Connectivity, Customised or any other equivalent make.</p>	Number	8.00
30	<p>Supply, Installation, Testing and Commissioning of Floor box with 2 x XLR connector for Monitor Connectivity, Customised or any other equivalent make.</p>	Number	4.00
40	<p>Supply, Installation, Testing and Commissioning of 32 channel analog console.</p> <p><b>Technical Specification :</b> 32 Line Inputs, 6 AUX Sends + 2 FX Sends, 8 PROGRAM, PARAMETER control, MIC: 24, 48V phantom power per channel, USB Device, Frequency response - +0.5/-1.0dB 20Hz - 20kHz, refer to the nominal output level @1kHz, -128 dBu Equivalent Input Noise, -94 dBu Residual Output Noise, 86W max.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	Number	1.00
50	<p>Supply, Installation, Testing and Commissioning of 10-in/6-out Digital Audio Loudspeaker Processor with 8 AEC Inputs, USB audio Interface, Digital Audio connectivity over Shielded CAT5e or better cable and RS232 control for third party control system.</p> <p><b>Technical specification : Analogue Input :</b> Number of channels 10 (8 AEC enabled), Analogue, electronically balanced Euroblock connectors, Maximum input level +24 dBu, Phantom power +48 VDC.</p> <p><b>Analogue Output:</b> Number of channels 6, Analogue, electronically balanced Euroblock connectors, Maximum output level -31 dBu to +24 dBu, <b>USB Audio:</b> Number of channels 2 in / 2 out, Resolution 24-bit, Sampling rate 48 kHz, Type Audio Class 1.0 compliant, asynchronous.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	Number	1.00
60	<p>Supply, Installation, Testing and Commissioning of FOH Cluster.</p> <p><b>Technical specification :</b> Full Range Passive/Bi-amp Q-Centric 12" Dual Concentric loudspeaker with RMS output Passive/LF/HF - 350W @ 8 Ohms, Frequency Response (-3 dB) 70 Hz - 25 kHz, Frequency Range (-10 dB) 55 Hz - 30 kHz, 75 x 40 degree dispersion, System Sensitivity: Passive LF: 123 dB continuous, 129 dB peak, Maximum SPL 126 dB continuous, 132 dB peak, Frequency response :70 Hz - 25 kHz ±3 dB, 55 Hz - 30 kHz -10 dB, <b>Power handling:</b> Passive 500 W continuous, 2,000 W peak, Bi-amp HF: 127 dB continuous, 133 dB peak</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 18 months to be specified by the bidder.</p>	Number	4.00
70	<p>Supply, Installation, Testing and Commissioning of Flying Arrangement for FOH cluster as per line item 60 above - Custom/OEM make as per site requirement, complete with yoke bracket inserts and Flying inserts for portrait or landscape mounting.</p>	Number	2.00
80	<p>Supply, Installation, Testing and Commissioning of Stage Front Fill : Full Range Passive Dual Concentric loudspeaker.</p> <p><b>Technical specification :</b> RMS power 200 W @ 8 Ohms, Frequency Response (-3 dB) 80 Hz - 35 kHz, Frequency Range (-10 dB) 60 Hz - 45 kHz, 93 dB System Sensitivity, 90 degrees conical dispersion, Maximum SPL 116 dB Average, 122 dB Peak. Power handling: Passive 200 W continuous, 800 W peak.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	Number	4.00
90	<p>Supply, Installation, Testing and Commissioning of Mounting arrangement for Stage Front Fill Loudspeaker as per line item 80 above, OEM Make to meet the requirement of line item 80 above.</p>	Number	4.00
100	<p>Supply, Installation, Testing and Commissioning of Full Range Passive 12" Dual Concentric Loud Speaker.</p> <p><b>Technical specification :</b> RMS output 200 W @ 8 Ohms, Frequency Response (-3 dB) 70 Hz - 25 kHz, Frequency Range (-10 dB) 55 Hz - 38 kHz, 97 dB System Sensitivity, 90 degrees conical dispersion, Maximum SPL 120 dB Average, 126 dB Peak. Power handling: Passive 200 W continuous, 800 W peak.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	Number	4.00
110	<p>Supply, Installation, Testing and Commissioning of Mounting arrangement for Upper Balcony Speaker as per line item 100 above. OEM/custom Make to meet the specific requirement of line item 100 above.</p>	Number	4.00

Revised (SOQ) Schedule of Work, Unit and Quantity			
DESCRIPTION OF WORK/ SERVICE: Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliyaj including supply of all materials.			
Item No.	Description of Services	UOM	Quantity
120	Supply, Installation, Testing and Commissioning of High Power Ditect Radiating 2 x 18" Subwoofer. <b>Technical Specification</b> : 2000 W rms @ 4 ohms, Frequency Response (-3 dB) 31 Hz - 600 Hz, Frequency Range (-10 dB) 24 Hz - 1.5 kHz, System Sensitivity Sensitivity 103 dB (1 W @ 1 m), Maximum SPL 136 dB continuous, 142 dB peak, Nominal Impedance 2 x 8 Ohms. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	4.00
130	Supply, Installation, Testing and Commissioning of Flying Arrangement for Subwoofer in Stack of two as per line item 120 above. OEM/custom Make to meet the specific requirement of line item 120 above, complete with yoke bracket inserts and Flying inserts for portrait or landscape mounting.	Number	2.00
140	Supply, Installation, Testing and Commissioning of Stage Monitor. <b>Technical Specification</b> : Co-axial 1,100 Watt 2 Way 12" Stage Monitor, Nominal Dispersion - 60°H x 40°V @ 6dB Points, Maximum SPL - 130 dB Peak, Max. Power O/P- 2500W, Type - Class D, Control - DSP, LCD Display, Equalization - High & low shelving EQ, Shielded CAT5 Cables, Short Circuit & Thermal protection. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	4.00
150	Supply, Installation, Testing and Commissioning of Compact 4" Coaxial Surface Mount Loudspeaker. <b>Technical Specification</b> : Low insertion loss 30 W transformer, 110 degree controlled conical dispersion, Frequency Response (-3 dB) 75 Hz - 20 kHz, 60 Hz - 30 kHz Frequency Range (-10 dB), Sensitivity 84 dB, Crossover 3.9 kHz - 2nd order LF, 2nd order HF, Maximum SPL 100 dB Average; 106 dB Peak, Transformer Taps 70 V: 30 W / 15 W / 7.5 W / 3.75 W, 100 V: 30 W / 15 W / 7.5 W, Rated Maximum SPL (2) 100dB (average), Amplifier Power 80W @ 6 Ohms, Enclosure ABS, Grille Aluminium, Painted, Connectors Euroblock type removable locking connector with screw terminals. Speaker should have facility to be mounted vertically or horizontally and to be supplied with Yoke bracket or any mounting accessories. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	4.00
160	Supply, Installation, Testing and Commissioning of 4-Channel 10000 W power amplifier. <b>Technical specification</b> : Delivery 2500 W @ 2 Ohms, 2100 W @ 4 Ohms, 1300 W @ 8 Ohms, 5000 W @ 4 Ohms bridged, 4200 W @ 8 Ohms bridged, Class TD, THD + N 20 Hz- 20 kHz for 1 W <0.1 %, Signal-to-Noise ratio >112 dBA, Channel separation at 1 kHz >70 dB, Frequency Response 6.8 Hz - 34 kHz, Signal to Noise Ratio >112 dBA, Input impedance 20 kOhm, Operating voltage- 230 V / 115 V nominal 3 130-265 V / 65 -135 V, Minimum power-up voltage- 230 V / 115 V 171 V / 85 V, Finish -Black painted steel chassis with black painted steel / aluminum front Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	2.00
170	Supply, Installation, Testing and Commissioning of 2-Channel 2400 W power amplifier. <b>Technical Specification</b> : Integrated DSP delivering 800 W @ 2 Ohms, 1200 W @ 4 Ohms, 600 W @ 8 Ohms, THD + N 20 Hz- 20 kHz for 1 W <0.1%, Signal-to-Noise ratio >102 dBA, Channel separation at 1 kHz >80 dB, Frequency Response 2 Hz- 42 kHz, Common Mode Rejection 50 dB, Networked control via IntelliDrive Controller™ touch-based GUI, Nominal voltage - 100 - 240 VAC, Operating voltage - 60 - 265 V AC Finish - Black, anodized aluminium front panel. Black/grey steel chassis Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	6.00
180	Supply, Installation, Testing and Commissioning of 2-Channel Class D Power Amplifier. <b>Technical Specification</b> : Delivery 60W output power into 8,4,2 Ohms, 30W into 16 Ohms, Signal-to-Noise Ratio >98 dBA, Frequency Respose 5Hz - 22 kHz, Input impedance 10 kOhm, CMR 40 dB, Max total output all channels driven - 120 W, Channel separation (Crosstalk) at 1 kHz >60 dBA, Windows and Mac software wizard for initial set-up, and advanced editor for preset configuration (LUCIA connection via USB) and configuration with the Application Browser software, Input processing block 4 EQ sections per input, Nominal voltage 100 - 240 VAC, Operating voltage 85 - 265 VAC, Cooling provision, Aluminum front and rustfree painted steel chassis. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	1.00
190	Supply, Installation, testing and commissioning of a wireless RF transmission system consisting of a stationary receiver and a handheld vocal radio microphone with a microphone head of transducer principle. <b>Technical Specification</b> : Dynamic Sensitivity 1.8 mV/Pa, Sound pressure level 154 dB SPL, Pick-up pattern supercardioid The system should feature at least 20 fixed frequency banks with up to 32 compatible frequency presets and 6 user banks with up to 32 user programmable frequencies. Sensitivity shall be < 2 V for 52 dBA eff S/N. Intermodulation attenuation shall be ? 70 dB (typical); blocking shall be ? 75 dB. Signal-to-noise ratio at 1 mV and peak deviation shall be ? 115 dBA. Total harmonic distortion (THD) shall be < 0.9 %. RF output power at 50 Ω typ. 10/30 mW, switchable. Audio frequency response shall range from 80 - 18,000 Hz. Signal-to-noise ratio (1 mV, peak deviation) ≥ 110 dBA. Total harmonic distortion (THD) shall be < 0.9 %. Input sensitivity shall be adjustable within a 48 dB range in steps of 6 dB. current consumption shall be typical 180 mA at nominal voltage. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	4.00

Revised (SOQ) Schedule of Work, Unit and Quantity			
DESCRIPTION OF WORK/ SERVICE: Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
Item No.	Description of Services	UOM	Quantity
200	Wireless microphone system. <b>Technical Specification</b> : Feature a true-diversity receiver with 36 MHz of available tuning bandwidth with a total of 1,680 frequencies accessible in 25 kHz steps. The wireless microphone receiver must feature two BNC antenna inputs, one for each receiver module in the true diversity system. The wireless microphone transmitter must have access to 1,680 frequencies tuned in 25 kHz steps across a defined 42 MHz bandwidth. The wireless microphone transmitter must feature a backlit display that displays frequency information, AF level, battery level. The wireless microphone transmitter must transmit a pilot-tone squelch. The wireless microphone transmitter must have a specified RF output power of 30mW. The wireless microphone receiver must accept 12V DC power via BNC antenna inputs. THD, total harmonic distortion < 0.9 %, Signal-to-noise ratio > 115 dB(A), RF output power 10/30 mW, Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	2.00
210	Supply, Installation, Testing and Commissioning of Dynamic microphone (supercardioid) for vocals. <b>Technical specification</b> : With On/Off switch, Frequency response (Microphone) 40 - 16000 Hz, Nominal impedance 350 Ω, Sensitivity in free field, no load (1kHz) 1,8 mV/Pa. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	6.00
220	Supply, Installation, Testing and Commissioning of Dynamic microphone (cardioid) for instruments. <b>Technical Specification</b> : Nominal impedance - 100 Ohm, Min. terminating impedance 2000 Ohm, Phantom powering 12 - 48 V / 3 mA, Max. Sound pressure level (active) 35 dB(A), Frequency response 40 - 20000 Hz. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	4.00
230	Supply, Installation, Testing and Commissioning of Condenser gooseneck microphone with shock mount (cardioid). <b>Technical Specification:</b> Impedance < 100 Ω, Frequency response (Microphone) 50 Hz - 20 kHz, Pick-up pattern cardioid, Equivalent noise level 26 dB (A), Power supply P12 - P48 V. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	2.00
240	Supply, Installation, Testing and Commissioning of Antenna Distribution system. <b>Technical Specification</b> : Attenuation 0 dB, RF frequency range 470 - 870 MHz, Operating voltage (stand alone) 13,8 V DC Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	2.00
250	Supply, Installation, Testing and Commissioning of Directional Active Antena. <b>Technical Specification</b> : Impedance 50 Ohm, Pick-up pattern directional, Frequency range 450 - 960 MHz, Antenna gain 4 dBi. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	Number	2.00
260	Supply, Installation, Testing and Commissioning of Equipment 19" Rack atleast 32U or Higher, Floor Mounted 800 mmW, 1000 mmD with front & rear enclosure, Power Distribution Unit & other accessories, to house the various PA system items as per line items 10 through 250 above as per site requirement. Enclosure should be with rust free treatment and painted with approved quality. Make either Custom or reputed brand make like Spider/APC or equivalent. Bidder to specify make and Technical specifications of the offered item.	Number	1.00
270	Supply, Installation, Testing and Commissioning of Speaker cable, 2 x 4 Sq. MM High Flexible Speaker Cable For Power Amplifiers Up To 4000 Watts. 224 Strands Of 0.15 mm Bare Copper Wires. Quantity as per site requirement. Bidder to specify make and Technical specifications of the offered item.	Lot	1.00
280	Supply, Installation, Testing and Commissioning of Speaker Cable - 2 x 2.5 Sq.mm High flexible Speaker cable for power amplifiers upto minimum 500 Watt , Jacket - PVC, ø 0.32 in, black Conductor - Stranded bare copper wires, 140x35 AWG (13AWG). Quantity as per site requirement. Bidder to specify make and Technical specifications of the offered item.	Lot	1.00
290	Supply, Installation, Testing and Commissioning of <b>Microphone Cable - 23/0.2mm</b> , Quantity as per site requirement. Audio Signal Cable; Balanced microphone cable with single shield, high flexible, velvet faint PVC-Jacket , Conductor: Stranded bare copper wires 28 x 0.10 mm (0.22mm <sup>2</sup> ) , Jacket: PVC, 6.0 mm max. Ø. Bidder to specify make and technical specifications of the offered item.	Lot	1.00
300	Supply, Installation, Testing and Commissioning of <b>Twisted Pair shielded CAT6 cable</b> , Quantity as per site requirement. CAT6 Cable With 23 AWG solid bare copper conductors, Max. Capacitance Unbalance 90 pF/100m, Max. Conductor DCR 77 Ohm/km, Max. DCR Unbalance. Bidder to specify make and Technical specifications of the offered item.	Meter	100.00
310	Supply, Installation, Testing and Commissioning of Various Connectors for items as per line items 10 through 300 above, for satisfactory performance of all items, equipment and accessories as per site requirement, 100 pair Male-Female connectors quantity as required. Bidder to specify make, item specification & quantity of offered item.	Lot	1.00

Revised (SOQ) Schedule of Work, Unit and Quantity			
DESCRIPTION OF WORK/ SERVICE: Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
Item No.	Description of Services	UOM	Quantity
320	<p>Supply and installation of Auditorium Push Back Chair with proper cleaning before handover. Make/Brand: Rana/SBR/Kundan/TSI/Penworkers/Godrej/Methodex or equivalent.</p> <p>Specification:                      1.0 Center – Centre : 20" ( Minimum ) to 23" Maximum                      2.0 Back – Back (Steps) : 36" ( Minimum)                      3.0 Total height of the Back From Floor Level : 39" - 41"                      Seat &amp; Back – Inner Frames (Total weight 5.00 Kg)                      1.0 50 x 25mm Tube 16g with 3 serpentine springs                      2.0 25mm x 5mm thick MS Steel Frame with 3 zig zag springs: Weight: 3.00 Kg                      OR                      PPCP Plastic molded Seat Frame 1.50 Kg</p> <p>Seat &amp; Back Polyurethane Molded foam Cushion (Total wight 2.25 Kg). Both Seat &amp; Back Cushioned with 50 Density Non sagging molded Polyurethane foam.</p> <p>Fabric for Seat, Back &amp; Side stands: Seat, Back &amp; Side stand covered/ upholstered with "Vimal Harmony" or equivalent Brand Fire Retardant Grade fabric made by M/s Reliance Industries Limited or other reputed company.</p> <p>Fabric Lamination: Seat, Back Top and Side stand Fabric further Laminated with 6mm thick U foam with polyester lining underneath for quilting and extra strength.</p> <p>Push back system : (8.00 Kg):                      1.0 Synchronized Push back system with seam less / welding less 14g seat supporting tray.                      2.0 2 Nos. of 12G Back clamps.                      3.0 2 Nos. of 14G Roller holders with 2 Nos. 30mm rollers                      4.0 2 Nos. of 50 x 25mm M S Tubes of 16G Tubes                      5.0 4 Nos. of 25mm x 6mm MS flat arms                      Side Stand : 4.50 Kg                      1.0 16G CRC sheet 2 Nos. in Box type construction.                      2.0 Heavy gauge one piece footrest                      3.0 Covered with duly laminated upholstery fabric as used in seat &amp; back.                      Armrest: Integrated skin type polyurethane foam made arm rest without cup holder.                      Accessories: Aisle Light Boxes and seat numbers made with reflective tape.                      Paint: All steel work Epoxy powder coated painted in 55 microns.                      Back cover: PPCP Molded Back cover (Weight 1.5 Kg)                      Installation: Installation with Anchor fasteners of 16mm Dia 65mm long x 4 Nos. each side stands.                      Bidder must specify brand/make and technical specification of offered item.</p>	Number	1000.00
330	<p>Supply, Installation, Testing and Commissioning of 1000W CE certified spun aluminum PARCAN providing illumination of 48188 lux at 2 mt in spot while 18500 lux at 2 mt when operated in flood made out of spun aluminum 16 SWG in 2 piece cylindrical construction with punched slot on Par can housing for natural ventilation and floating ceramic GX16d base lamp socket, copper flexible PVC insulated power cable with 3 pin CEE plug.                      Make : Canara Lighting or ARRI or Desisti or equivalent                      Bidder must specify brand/make and technical specification of offered item.</p>	Number	10.00
340	<p>Supply, Installation, Testing and Commissioning of LED Par RGBW with high bright 7 DmX channel 25 Degree beam angle for illuminating the stage effect or mood lighting. Control DmX and Manual, LED 54 x 3W High bright, Control keypad to set address, 0 ~ 100% stage quality dimming. Make : Canara Lighting or Robe or Martin or equivalent                      Bidder must specify brand/make and technical specification of offered item.</p>	Number	10.00
350	<p>Supply, Installation, Testing and Commissioning of 4 x 100W LED Blinder effect light 3200K CCT high CRI &amp; Tlci values, DmX &amp; Manual control, 100W lamp source COB type LED's, 0 ~ 100% dimming, 30 degree beam angle, 5 Pin XLR for make and female, Power in and out. Make : Canara Lighting or Selecon or Robe or equivalent                      Bidder must specify brand/make and technical specification of offered item.</p>	Number	6.00
360	<p>Supply, Installation, Testing and Commissioning of 750W stage profile spot light powder coated diecast body with below specification                      • Lamp 750W HPL • Beam spread 19° • Dimension of 560 x 340 x 430mm • Weighing 6.2Kg, • Dichroic reflector, • G9.5 lamp base • 4 Beam shaping shutters • 3mtrs power cord with 16amps CE plug • Normal yoke with adjustable keys for tilt rotation • Fine adjustment in lamp focus position for adjustment. Make : Canara Lighting Canara Lighting or Selecon or Robe. or equivalent                      Bidder must specify brand/make and technical specification of offered item.</p>	Number	2.00
370	<p>Supply, Installation, Testing and Commissioning of Accessories For the lights consists of C Clamp and Safety Bonds for all the light fixtures, Barndoor for LED par and required name plates.</p>	Number	1.00
380	<p>Supply, Installation, Testing and Commissioning of Extruded MS "C" track size 50x40 made up of TATA/SAIL/Jindal make or other reputed brand, undergone 7 Tank chemical treatment to keep them rust free and powder coated, grid at top the stage area to suspend the fly bars, etc with suspender. Make Stage lighting or Stage technologies or Canara Lighting or equivalent.                      Bidder must specify brand/make and technical specification of offered item.</p>	Lot	1.00
390	<p>Supply, Installation, Testing and Commissioning of Fly bar, length 12 mtrs made using 40NB dual barrel made up of TATA/SAIL/Jindal make or other reputed brand undergone through 7 tank process with various chemical treatment to keep them rust free and powder coated. Make Stage lighting or Stage technologies or Canara Lighting or equivalent.                      Bidder must specify brand/make and technical specification of offered item.</p>	Number	3.00

<b>Revised (SOQ) Schedule of Work, Unit and Quantity</b>			
<b>DESCRIPTION OF WORK/ SERVICE:</b> Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
<b>Item No.</b>	<b>Description of Services</b>	<b>UOM</b>	<b>Quantity</b>
400	Supply, Installation, Testing and Commissioning of Fixed side bar of 6 mtrs length made using 40NB dual barrel dual construction arrangement undergone 7 Tank chemical treatment to keep them rust free and powder coated and provided with perforated trays & Suspenders. Make Stage lighting or Stage technologies or Canara Lighting, or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	2.00
410	Supply, Installation, Testing and Commissioning of MS Power Junction box made up of 22SWG CRCA sheet of TATA/Jindal/SAIL make or equivalent reputed brand undergone through various chemical treatment to keep them rust free and duly powder coated 1 way 16A IEC Socket, with suitable glands. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	Number	36.00
420	Supply, Installation, Testing and Commissioning of MS Power Junction box made up of 22SWG CRCA sheet of Jindal/TATA/SAIL make undergone through various chemical treatment to keep them rust free and duly powder coated 4 way 10A IEC Socket, with suitable glands. Make : Canara Lighting or equivalent as per site requirement.	Number	20.00
430	Supply, Installation, Testing and Commissioning of MS Signal Junction Box sheet metal fabricated DMX junction box made up of 22SWG CRCA sheet of TATA/Jindal/SAIL make or equivalent reputed brand undergone through various chemical treatment to keep them rust free and duly powder coated and fitted with 5 pin XLR DMX out connector. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	Number	14.00
440	Supply, Installation, Testing and Commissioning of MS PJB sheet metal fabricated 2-way power junction box undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish and fitted with 2 no 10amps IEC socket ON / OFF switch and necessary gland. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	Number	3.00
450	Supply, Installation, Testing and Commissioning of MS Marshaling box made up of 22SWG CRCA sheet of TATA/Jindal/SAIL make or equivalent reputed brand undergone through various chemical treatment to keep them rust free and duly powder coated , with suitable glands & Terminal Blocks. Supply voltage 230 V ~ 50 Hz, Terminal capacity 1 - 4 mm2, Load per circuit 16 A. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	Number	1.00
460	Supply, Installation, Testing and Commissioning of Well designed & engineered Wall mount 3 feeder motor control centre panel with necessary meterings,contactors & relays to control the curtain motors along with 3-way wired remote control panel to control the Curtain system (MCCP/RCP-3). Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification..	Number	1.00
470	Supply, Installation, Testing and Commissioning of Electrical Distribution Box Well designed and engineered wall mount type power distribution DB with necessary outgoing feeders and 200 amps incomer And 32 way MCB Panel module mount internally wired to control individual light points with fabricated panel rack. The enclosure should be treated with rustfree treatment and welpainted Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification..	Number	1.00
480	Supply, Installation, Testing and Commissioning of Internal earthing network related to work. Customised as per site requirement. Earthing value must be within the limit as set by CEA. All internal earthing work should be of Copper.  Supply, installation & testing of Copper Plate earth station with 600 Each 2 mmx600 mm x3 mm copper earth plate with necessary 40 mm dia. G.I. medium duty watering pipe with G.I. Fittings such as Socket, Tee, elbow,nipple and 50 mmx40 mm G.I. reducing socket for funnel including locking arrangement with 300 mmx300 mmx6 mm C.I. hinged coverplate complete with digging of earth pit, construction of brick chamber and plastering of both inner & outer surface of wall as specified and directed by the department.  Supply, fitting & fixing 20 mmx3 mm Copper strips drawn on vertically or horizontally on building wall/parapet wall in surface system complete with supply of Brass Nuts & Bolts, Screws etc including riveting,soldering and making connection as approved by the Deptt. with earth electrode copper strips and Lightning Arrestor etc. as specified and directed by the department.	Lot	1.00
490	Supply, Installation, Testing and Commissioning of Installation hardwares such as clamps, connectors, glands, lugs, ferruels etc. All items should be made rust free and duly powder coated in black matt texture finish. Custom make as per site requirement. Bidder must specify brand/make and technical specification of offered item.	Lot	1.00
500	Supply, Installation, Testing and Commissioning of MS perforated trays with lid undergone through 7 tank chemical treatment to keep them rust free and duly powder coated in black matt texture finish of Size 75x40mm. Make : Stage lighting or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	60.00
510	Supply, Installation, Testing and Commissioning of MS perforated trays with lid undergone through 7 tank chemical treatment to keep them rust free to keep them rust free and duly powder coated in black matt texture finish of Size 300x40mm. Make :Stage lighting or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	30.00



Revised (SOQ) Schedule of Work, Unit and Quantity			
DESCRIPTION OF WORK/ SERVICE: Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
Item No.	Description of Services	UOM	Quantity
520	Supply, Installation, Testing and Commissioning of Rack mount 12 channel (12chx2.5KW) Dimmer pack <b>Technical Specifications:</b> Automatic frequency sensor can detect power frequency (45Hz - 63Hz) in different areas and stabilizes the dimming output. Output can be limited from 50% to 100% for over load protection. The thermo-controlled fan will be activated automatically when the temperature is over 45°C. Power Supply: 100-240V AC, 45-63Hz. Output: Maximal 20A per channel. Control: DMX 512 protocol. Size (appx): 482 x 132 x 316mm, Weight: 13.5Kg (appx). Make: Liteputer or Avolite or Zero88 or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	2.00
530	Supply, Installation, Testing and Commissioning of Grid mount photo isolator DMX splitter unit 1 DMX 2 input and 8 isolated output with following specifications: Power Supply: 90-240V AC, 45-63Hz. Control: DMX 512 protocol, Control Signal input: 5 pin XLR female, Size: 482 x 44 x 128mm Weight: 2Kg (appx), Mains 3.15A Slow Blow Fuse, Input Power 80W, Make: Liteputer or Avolite or Zero88 or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	2.00
540	Supply, Installation, Testing and Commissioning of 96 Channel DmX controller complete with DMX 512 protocol control for lighting fixtures 24x4 pages total 4 page buttons, Scene and Chase modes, direct access faders and flash keys, Master fader and blackout key, LCD display, lock and unlock functions, Patching and controlling 96 dimmer channels. Make: Liteputer or Avolite or Zero88 or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
550	Supply, Installation, Testing and Commissioning of 5 pin XLR male & female connector. Quantity 15 pairs. Make Neutrik or Amphenol or Switchcraft or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	15.00
560	Supply, Installation, Testing and Commissioning of 5 Pin XLR Termination plug. Quantity 15 pairs. Make Neutrik or Amphenol or Switchcraft or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	15.00
570	Supply, Installation, Testing and Commissioning of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade conforming to IS694 size 3cx2.5 sq mm. Brand should be a reputed one. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	1700.00
580	Supply, Installation, Testing and Commissioning of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade conforming to IS694 size 12c x 2.5 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	400.00
590	Supply, Installation, Testing and Commissioning of PVC Copper armoured flexible FRLS insulated multicore cable 1100V grade conforming to IS694 size 4c x 4 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	20.00
600	Supply, Installation, Testing and Commissioning of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade conforming to IS694 size 7cx1.5 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	80.00
610	Supply, Installation, Testing and Commissioning of 5 core DMX signal cable for DMX network. Cable should meet the required CAE norms. Make: Falcon/Beldon/Polycab or equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	400.00
620	Supply, Installation, Testing and Commissioning of Main Scallop fixing arrangement using 40NB made up of SAIL/Jindal or equivalent reputed make 2 mm thick, 11 mtr in length MS pipe, undergone through 7 tank process with various chemical treatment to keep them rust free duly powder coated with matt black texture finish with mounting brackets. Make: Waagner Biro or Stage Technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Set	1.00
630	Supply, Installation, Testing and Commissioning of Main Curtain track system. <b>Technical Specification:</b> 12 mtr long, centre parting with overlap of 0.9 mtr provided with Heavy duty extruded aluminium I track of 48x84mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 3PH INDUCTION MOTOR, VFD DUTY, 1.1KW, 3000RPM, 90B5 FLANGE MOUNT GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center Curtain holding Nylon wheel trollies consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track. Nylon moulded 6201 Ball bearing Diverter pulley with 90mm for outer diameter, 72 mm diameter at groove base, 19mm pulley thickness & MS yellow passivated Routing pulleys with 165mm for outer diameter, 150mm diameter at groove base with 12mm pulley thickness. Make: Waagner Biro or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00

Revised (SOQ) Schedule of Work, Unit and Quantity			
DESCRIPTION OF WORK/ SERVICE: Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
Item No.	Description of Services	UOM	Quantity
640	Supply, Installation, Testing and Commissioning of Rear Curtain track system. <b>Technical Specification</b> : 12 mtr long, centre parting with overlap of 0.9mtr provided with, Heavy duty extruded aluminium I track of 48x84mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 3PH INDUCTION MOTOR, VFD DUTY, 1.1KW, 3000RPM, 90B5 FLANGE MOUNT GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center Curtain holding Nylon wheel trollies consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track. Nylon moulded 6201 Ball bearing Diverter pulley with with 90mm for outer diameter, 72mm diameter at groove base, 19mm pulley thickness & MS yellow passivated Routing pulleys with 165mm for outer diameter, 150mm diameter at groove base with 12mm pulley thickness. Make: Waagner Biro or Stage Technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Set	1.00
650	Supply, Installation, Testing and Commissioning of MS, Wing Dual frame construction, made out of 25X25mm MS square pipe with 2mm in thickness powder coated of size 9m x 2m , provided with 1.5meter wing track of 48X84mm with gridmount brackets made of 40X50X40mm C track Pivotal 4wheeler suspension trolley Adjustable floor locking screw jacks with rubber grips Inverted 4-Wheeler Trolley with Flexi Adaptor Clamp Extruded track Aluminium I Profile to be laid through out the dept of the stage. Make: Waagner Biro or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	4.00
660	Supply, Installation, Testing and Commissioning of Cyclorama arrangement using aluminium extruded "I" track of 48 x 84mm duly powder coated in black texture finish to use as straight cyclorama track with MS fabricated Grid/wall mount bracket constructed of C track of dimension 40X50X40mm duly powder coated to hold the track, MS fabricated Tie down railing cut length 3 mtr duly powder coated to keep the cyclorama in drum tight arrangement, 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track, MS powder coated Leading edge frame to keep the cyclorama in drum tight arrangement of Size 8mtr x 6Mtr. Make: Waagner Biro or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
670	Supply, Installation, Testing and Commissioning of MS Fabricated made up of 22SWG CRCA sheet of SAIL/TATA/Jindal make or equivalent brand undergone through 7 tank process with various chemical treatment to keep them rust free, duly powder coated with Matt black texture finish power junction box (PJB) to terminate the Motorized section power connections. Make : Canara Lighting /ABB/SCHNEIDER /or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	2.00
680	Supply, Installation, Testing and Commissioning of Well designed and engineered Wall mount 2 feeder motor control centre panel / Remote control system with necessary meterings and contactors and relays to control motorised system (MCCP / RCP -2) Make : Canara Lighting or ABB or SCHNEIDER or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
690	Supply, Installation, Testing and Commissioning of Fire retardant velvete fabric with lining 300% gathering for main scallop with approved color duly stitched. Size : 11mtr x 1.5mtr. Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
700	Supply, Installation, Testing and Commissioning of Fire retardant velvete fabric with lining, 100%(Double) gathering for Main curtain with approved color duly stitched and with eyelets. Size: 12mtr x 9mtr Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
710	Supply, Installation, Testing and Commissioning of Fire retardant velvete fabric with lining, 50% gathering for Rear curtain with approved color duly stitched and with eyelets. Size: 12mtr x 9mtr Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
720	Supply, Installation, Testing and Commissioning of cotton fabric with lining, 50% gathering for frill with approved color duly stitched and with eyelets. Size: 9.5mtr x 1.5mtr Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	3.00
730	Supply, Installation, Testing and Commissioning of cotton fabric wing duly stiched with 0% gathering. Size: 9 mtr x 2 mtr. Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	4.00
740	Supply, Installation, Testing and Commissioning of Perforated plastic cyclorama screen with perforation on 1 side. Brand Canara Lighting or Qflex or Modern Stage or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
750	Supply, Installation, Testing and Commissioning of FRLS PVC copper multistrand flexible cable 7 core x 1.5 sq.mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex/Equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	100.00
760	Supply, Installation, Testing and Commissioning of PVC Copper armoured flexible FRLS insulated multicore cable 1100V grade conforming to IS694 size 4cx4 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex/Equivalent. Bidder must specify brand/make and technical specification of offered item.	Meter	40.00

Revised (SOQ) Schedule of Work, Unit and Quantity			
DESCRIPTION OF WORK/ SERVICE: Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
Item No.	Description of Services	UOM	Quantity
770	Providing, fitting and fixing 16 seater conference table. <b>Technical Specification:</b> Made of 19 mm / 12 mm thick ISI marked phenol bonded ISI marked anti termite BWP grade board and finished with 1.0 mm thick veneer sheets complete with internal painting, external PU polish, accessories, etc. Brand should be a reputed one. Bidder must specify brand/make and technical specification of offered item.	Number	1.00
780	Supplying and installation of vertical blinds with all fittings as per approved colour and shade complete in all respect for the windows. Exact Size is to be measured at Site. Brand should be a reputed one. Bidder must specify brand/make and technical specification of offered item.	Square meter	8.00
790	Supplying and fixing of reclined back revolving chairs with * Click High back chair * Synchro Mechanism, * Two Way Adjustable Arms * Nylon Base. Make: Featherlite or Godrej or Methodex or Harman Miller or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	16.00
800	Supplying and fixing of reclined back revolving chairs with * Telemate Medium Back * Synchro Mechanism 8828 1324 7504 * Two Way Adjustable Arms each * Nylon Base Make: Featherlite or Methodex or Godrej or Harman Miller or equivalent. Bidder must specify brand/make and technical specification of offered item.	Number	20.00
810	Supply and installation of Fine wood wool panel of reputed brand like HERADESIGN or ANUTONE or ARMSTRONG or equivalent brand of size 1200 x 600 x 15mm mounted on proprietary supplied G I Frame work consisting of basic profile, main profile, edge profile and spacer. The fabric of approved colour.  Mounting of the edge profiles C: attach the edge profiles C at the specified distance from the floor, align them and screw each with two stainless steel drilling screws of the dimension 4.8 x 20 mm to the basic profiles. Put the drilling screws in the groove  Mounting of the acoustic panels and main profiles B: the acoustic panels with edge design SY-02 and the main installed piece by piece while paying attention to the grid dimension and equally sized end fields. Start mounting the Hera boards.  When installing, pressure join the panel joints with the help of an installation block and hammer. Take note of the installation directions marked on the back of the panel. Installation patterns in cross joints require more effort to mount.  Glass wool backfilling: a requisite glass wool backfilling of 50 mm thickness 24 kg density per m3 is installed step by step with the acoustic panels. If necessary, the lowest layer should be secured against downward movement.  Linear expansion with temperature changes of up to 30°C: To compensate for this, there has to be a free distance of at least 5 mm at the longitudinal joints of basic sections or main profiles for lengths of over 6 m. With temperature changes of over 30 Degree C.  Corrosion protection requirements: the dowels and screws have to be chosen according to the existing corrosion load. In order to avoid contact corrosion, stainless steel screws have to be used to connect the aluminium sections with each other.  At least three spacers have to be set per basic profile of 3000 mm length. If the basic profile is mounted with only two spacers, the maximum distance between these must not exceed 800 mm.  Fabric : FR grade fabric of specified shade or shades shall be stretched on the HERADESIGN or ANUTONE or ARMSTRONG Fine 15 mm panels using Vinyl Tracks Stretching System. Stretch Perimeter Track half wrap/ full wrap 15 mm and Mid Seam Track 15 mm shall be staple-fixed to the wood Tile Specification : Magnesite bonded wood wool acoustic panel with fibre width of 2mm. 1200 * 600 * 15mm thickness Edge Detail : Square Edge Humidity Resistance : 90%. Reaction to fire acc to EN 13501-1 B-s1,d0 NRC = 0.85 Thickness/Weight : 15 mm 8.2 Kg/m2 Bidder must specify brand/make and technical specification of offered item.	Square meter	537.00
820	Supply and installation of 595 x 595 x 15 mm thick ( having density 100 Kg/m3, NRC 0.95, fire rating Class 1/A & light reflectance of 85%) black glasswool tiles suspended by using T15 ceiling system which includes G.I Main-T MT15W36 at every 1200 c/c and Cross-T CT15W12 at 600 mm c/c & CT15W06 at 1200mm c/c. Wall angle is fixed along the perimeter of wall with fasteners. The suspension is done with all accessories like , leveling clips & wire rods as per the drawing. Bidder must specify technical specification of offered item.	Square meter	210.00

<b>Revised (SOQ) Schedule of Work, Unit and Quantity</b>			
<b>DESCRIPTION OF WORK/ SERVICE:</b> Implementation of Acoustic Part along with arrangement of Audio equipment for auditorium, chairs for auditorium, furniture for conference room and stage furnishing, lighting & crafting arrangement with installation, testing, commissioning and hand over the project completed in all aspect of Public Auditorium at Duliajan including supply of all materials.			
<b>Item No.</b>	<b>Description of Services</b>	<b>UOM</b>	<b>Quantity</b>
830	Supplying & Fixing Parquet Teakwood flooring over stage with 150 X40 X 9 mm teakwood paraquets layed over 2 layers of levelled 12 mm thick. BWP plywood with synthetic adhesives; the plywood to be secured over stage framework; the framework to be filled with 50mm thick 48 kg per cum density fibreglass resin bonded insulation. Supplying & Fixing Parquet Teakwood flooring over stage with 150 X40 X 9 mm teakwood paraquets layed over 2 layers of levelled 12 mm thick. BWP plywood with synthetic adhesives; the plywood to be secured over stage framework; the framework to be filled with 50mm thick 48 kg per cum density fibreglass resin bonded insulation. Bidder must specify brand/make and technical specification of offered item.	Square meter	210.00
840	Supplying and installation of vertical blinds with all fittings of as per approved colour and shade complete in all respect for the windows. Exact Size is to be measured at Site. Brand should be a reputed one. Bidder must specify brand/make and technical specification of offered item.	Square meter	245.00
850	Scaffolding work for installation of different equipment and panelling. Size & quantity as per site requirement.	Activity unit	1.00
860	Supply, fixing and connection of Earthing with G.I. earth pipe 3 metre long, 100 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. Make of the GI pipe shall be Tata Steel/Zindal/SAIL or equivalent make	Number	2.00
870	Supplying, laying and connection 25 mm X 3 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm). Bidder must specify brand/make and technical specification of offered item.	Meter	20.00
880	Supply, laying/fixing and connection of 1x25 mmsq PVC 1100v grade, Heavy duty, PVC insulated, Black PVC sheathed cable with stranded, Aluminium conductor to DBs, MCC panels etc. The cable shall be approved by IS: 1554 with latest amendments. PVC insulation should be as per IS-5831. Manufacturer's name, cable size, voltage grade, ISI mark should be marked on the cable outer sheath in permanent manner at regular interval. Sequential marking should be provided on the cable outer sheath at every one meter length for measurement during use. Brand should be a reputed one with IS approved cable. Make:Finolex/havells/RR Kabel/KEI/Polycab/Equivalent IS approved cable. Bidder must specify brand/make and technical specification of offered item.	Meter	100.00
<b>Bidders also have to submit revised ANNEXURE-A to PART-II SOQ along with the technical bid specifying offered Make, Model &amp; Specification against each line item.</b>			
<b>Notes:</b>			
1. The rates shall be quoted per unit as specified in the "PRICE BIDDING FORMAT" attached under "Notes and Attachments" tab.			
2. Tenure of Agreement: 05 (Five) months from the commencement of the Contract i.e. after completion of mobilization.			
3. Mobilisation Period: 15 (fifteen) days from the date of issue of LOA.			
4. The quantity mentioned is purely for evaluation purpose only. However, payment shall be made on actuals.			

**REVISED ANNEXURE-A to PART-II SOQ**

Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
10	<p>Supply, Installation, Testing and Commissioning of Active DI Boxes for electronic instruments.</p> <p><b>Technical Specification :</b> Input Connections 2 x 1/4" TS phone, 1 x XLR, Output Connectors 1 x XLR, Input Level 30dBu, Output Level 10dBu with load &gt;2kΩ</p> <p>Controls -30dB input pad, Ground lift switch, Frequency Response 20Hz to 20kHz, +0.5/-1.0 dB. Noise -100dBu, 20Hz to 20kHz unweighted, Power +48VDC phantom power. Housing/enclosure should be rustfree powder coated steel frame.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
20	<p>Supply, Installation, Testing and Commissioning of Floor box with 3 x XLR connector for Microphone Connectivity, Customised or any other equivalent make.</p>	
30	<p>Supply, Installation, Testing and Commissioning of Floor box with 2 x XLR connector for Monitor Connectivity, Customised or any other equivalent make.</p>	
40	<p>Supply, Installation, Testing and Commissioning of 32 channel analog console.</p> <p><b>Technical Specification :</b> 32 Line Inputs, 6 AUX Sends + 2 FX Sends, 8 PROGRAM, PARAMETER control, MIC: 24, 48V phantom power per channel, USB Device, Frequency response - +0.5/-1.0dB 20Hz - 20kHz, refer to the nominal output level @1kHz, -128 dBu Equivalent Input Noise, -94 dBu Residual Output Noise, 86W max.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
50	<p>Supply, Installation, Testing and Commissioning of 10-in/6-out Digital Audio Loudspeaker Processor with 8 AEC Inputs, USB audio Interface, Digital Audio connectivity over Shielded CAT5e or better cable and RS232 control for third party control system.</p> <p><b>Technical specification : Analogue Input :</b> Number of channels 10 (8 AEC enabled), Analogue, electronically balanced Euroblock connectors, Maximum input level +24 dBu, Phantom power +48 VDC.</p> <p><b>Analogue Output:</b> Number of channels 6, Analogue, electronically balanced Euroblock connectors, Maximum output level -31 dBu to +24 dBu, <b>USB Audio:</b> Number of channels 2 in / 2 out, Resolution 24-bit, Sampling rate 48 kHz, Type Audio Class 1.0 compliant, asynchronous.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
60	<p>Supply, Installation, Testing and Commissioning of FOH Cluster.</p> <p><b>Technical specification :</b> Full Range Passive/Bi-amp Q-Centric 12" Dual Concentric loudspeaker with RMS output Passive/LF/HF - 350W @ 8 Ohms, Frequency Response (-3 dB) 70 Hz - 25 kHz, Frequency Range (-10 dB) 55 Hz - 30 kHz, 75 x 40 degree dispersion, System Sensitivity: Passive LF: 123 dB continuous, 129 dB peak, Maximum SPL 126 dB continuous, 132 dB peak, Frequency response :70 Hz - 25 kHz ±3 dB, 55 Hz - 30 kHz -10 dB, <b>Power handling:</b> Passive 500 W continuous, 2,000 W peak, Bi-amp HF: 127 dB continuous, 133 dB peak</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 18 months to be specified by the bidder.</p>	
70	<p>Supply, Installation, Testing and Commissioning of Flying Arrangement for FOH cluster as per line item 60 above - Custom/OEM make as per site requirement, complete with yoke bracket inserts and Flying inserts for portrait or landscape mounting.</p>	
80	<p>Supply, Installation, Testing and Commissioning of Stage Front Fill : Full Range Passive Dual Concentric loudspeaker.</p> <p><b>Technical specification :</b> RMS power 200 W @ 8 Ohms, Frequency Response (-3 dB) 80 Hz - 35 kHz, Frequency Range (-10 dB) 60 Hz - 45 kHz, 93 dB System Sensitivity, 90 degrees conical dispersion, Maximum SPL 116 dB Average, 122 dB Peak. Power handling: Passive 200 W continuous, 800 W peak.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
90	<p>Supply, Installation, Testing and Commissioning of Mounting arrangement for Stage Front Fill Loudspeaker as per line item 80 above, OEM Make to meet the requirement of line item 80 above.</p>	
100	<p>Supply, Installation, Testing and Commissioning of Full Range Passive 12" Dual Concentric Loud Speaker.</p> <p><b>Technical specification :</b> RMS output 200 W @ 8 Ohms, Frequency Response (-3 dB) 70 Hz - 25 kHz, Frequency Range (-10 dB) 55 Hz - 38 kHz, 97 dB System Sensitivity, 90 degrees conical dispersion, Maximum SPL 120 dB Average, 126 dB Peak. Power handling: Passive 200 W continuous, 800 W peak.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	

REVISED ANNEXURE-A to PART-II SOQ		
Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
110	Supply, Installation, Testing and Commissioning of Mounting arrangement for Upper Balcony Speaker as per line item 100 above. OEM/custom Make to meet the specific requirement of line item 100 above.	
120	Supply, Installation, Testing and Commissioning of High Power Ditect Radiating 2 x 18" Subwoofer. <b>Technical Specification</b> : 2000 W rms @ 4 ohms, Frequency Response (-3 dB) 31 Hz - 600 Hz, Frequency Range (-10 dB) 24 Hz - 1.5 kHz, System Sensitivity Sensitivity 103 dB (1 W @ 1 m), Maximum SPL 136 dB continuous, 142 dB peak, Nominal Impedance 2 x 8 Ohms. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	
130	Supply, Installation, Testing and Commissioning of Flying Arrangement for Subwoofer in Stack of two as per line item 120 above. OEM/custom Make to meet the specific requirement of line item 120 above, complete with yoke bracket inserts and Flying inserts for portrait or landscape mounting.	
140	Supply, Installation, Testing and Commissioning of Stage Monitor. <b>Technical Specification</b> : Co-axial 1,100 Watt 2 Way 12" Stage Monitor, Nominal Dispersion - 60°H x 40°V @ 6dB Points, Maximum SPL - 130 dB Peak, Max. Power O/P- 2500W, Type - Class D, Control - DSP, LCD Display, Equalization - High & low shelving EQ, Shielded CAT5 Cables, Short Circuit & Thermal protection. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	
150	Supply, Installation, Testing and Commissioning of Compact 4" Coaxial Surface Mount Loudspeaker. <b>Technical Specification</b> : Low insertion loss 30 W transformer, 110 degree controlled conical dispersion, Frequency Response (-3 dB) 75 Hz - 20 kHz, 60 Hz - 30 kHz Frequency Range (-10 dB), Sensitivity 84 dB, Crossover 3.9 kHz - 2nd order LF, 2nd order HF, Maximum SPL 100 dB Average; 106 dB Peak, Transformer Taps 70 V: 30 W / 15 W / 7.5 W / 3.75 W, 100 V: 30 W / 15 W / 7.5 W, Rated Maximum SPL (2) 100dB (average), Amplifier Power 80W @ 6 Ohms, Enclosure ABS, Grille Aluminium, Painted, Connectors Euroblock type removable locking connector with screw terminals. Speaker should have facility to be mounted vertically or horizontally and to be supplied with Yoke bracket or any mounting accessories. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	
160	Supply, Installation, Testing and Commissioning of 4-Channel 10000 W power amplifier. <b>Technical specification</b> : Delivery 2500 W @ 2 Ohms, 2100 W @ 4 Ohms, 1300 W @ 8 Ohms, 5000 W @ 4 Ohms bridged, 4200 W @ 8 Ohms bridged, Class TD, THD + N 20 Hz- 20 kHz for 1 W <0.1 %, Signal-to-Noise ratio >112 dBA, Channel separation at 1 kHz >70 dB, Frequency Response 6.8 Hz - 34 kHz, Signal to Noise Ratio >112 dBA, Input impedance 20 kOhm, Operating voltage- 230 V / 115 V nominal 3 130-265 V / 65 -135 V, Minimum power-up voltage- 230 V / 115 V 171 V / 85 V, Finish -Black painted steel chassis with black painted steel / aluminum front Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	
170	Supply, Installation, Testing and Commissioning of 2-Channel 2400 W power amplifier. <b>Technical Specification</b> : Integrated DSP delivering 800 W @ 2 Ohms, 1200 W @ 4 Ohms, 600 W @ 8 Ohms, THD + N 20 Hz- 20 kHz for 1 W <0.1%, Signal-to-Noise ratio >102 dBA, Channel separation at 1 kHz >80 dB, Frequency Response 2 Hz- 42 kHz, Common Mode Rejection 50 dB, Networked control via IntelliDrive Controller™ touch-based GUI, Nominal voltage - 100 – 240 VAC, Operating voltage - 60 – 265 V AC Finish - Black, anodized aluminium front panel. Black/grey steel chassis Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	
180	Supply, Installation, Testing and Commissioning of 2-Channel Class D Power Amplifier. <b>Technical Specification</b> : Delivery 60W output power into 8,4,2 Ohms, 30W into 16 Ohms, Signal-to-Noise Ratio >98 dBA, Frequency Respose 5Hz - 22 kHz, Input impedance 10 kOhm, CMR 40 dB, Max total output all channels driven - 120 W, Channel separation (Crosstalk) at 1 kHz >60 dBA, Windows and Mac software wizard for initial set-up, and advanced editor for preset configuration (LUCIA connection via USB) and configuration with the Application Browser software, Input processing block 4 EQ sections per input, Nominal voltage 100 – 240 VAC, Operating voltage 85 – 265 VAC, Cooling provision, Aluminum front and rustfree painted steel chassis. Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.	

**REVISED ANNEXURE-A to PART-II SOQ**

Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
190	<p>Supply, Installation, testing and commissioning of a wireless RF transmission system consisting of a stationary receiver and a handheld vocal radio microphone with a microphone head of transducer principle.</p> <p><b>Technical Specification:</b> Dynamic Sensitivity 1.8 mV/Pa, Sound pressure level 154 dB SPL, Pick-up pattern supercardioid The system should feature at least 20 fixed frequency banks with up to 32 compatible frequency presets and 6 user banks with up to 32 user programmable frequencies. Sensitivity shall be &lt; 2 V for 52 dBA eff S/N. Intermodulation attenuation shall be ? 70 dB (typical); blocking shall be ? 75 dB. Signal-to-noise ratio at 1 mV and peak deviation shall be ? 115 dBA. Total harmonic distortion (THD) shall be &lt; 0.9 %. RF output power at 50 Ω typ. 10/30 mW, switchable. Audio frequency response shall range from 80 – 18,000 Hz. Signal-to-noise ratio (1 mV, peak deviation) ≥ 110 dBA. Total harmonic distortion (THD) shall be &lt; 0.9 %. Input sensitivity shall be adjustable within a 48 dB range in steps of 6 dB. current consumption shall be typical 180 mA at nominal voltage.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
200	<p>Wireless microphone system.</p> <p><b>Technical Specification :</b> Feature a true-diversity receiver with 36 MHz of available tuning bandwidth with a total of 1,680 frequencies accessible in 25 kHz steps. The wireless microphone receiver mustfeature two BNC antenna inputs, one for each receiver module in the true diversity system. The wireless microphone transmitter must have access to 1,680 frequencies tuned in 25 kHz steps across adefined 42 MHz bandwidth. The wireless microphone transmitter must feature a backlit display that displays frequency informa-tion, AF level, battery level. The wireless microphone transmitter must transmit a pilot-tone squelch. The wireless microphonetransmitter must have a specified RF output power of 30mW. The wireless microphone receiver must accept 12V DC power via BNC antenna inputs. THD, total harmonic distortion &lt; 0,9 %,Signal-to-noise ratio &gt; 115 dB(A), RF output power 10/30 mW,</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
210	<p>Supply, Installation, Testing and Commissioning of Dynamic microphone (supercardioid) for vocals.</p> <p><b>Technical specification :</b> With On/Off switch, Frequency response (Microphone) 40 - 16000 Hz, Nominal impedance 350 Ω, Sensitivity in free field, no load (1kHz) 1,8 mV/Pa.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
220	<p>Supply, Installation, Testing and Commissioning of Dynamic microphone (cardioid) for instruments.</p> <p><b>Technical Specification :</b> Nominal impedance - 100 Ohm, Min. terminating impedance 2000 Ohm, Phantom powering 12 - 48 V / 3 mA, Max. Sound pressure level (active) 35 dB(A), Frequency response 40 - 20000 Hz.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
230	<p>Supply, Installation, Testing and Commissioning of Condenser gooseneck microphone with shock mount (cardioid).</p> <p><b>Technical Specification:</b> Impedance &lt; 100 Ω, Frequency response (Microphone) 50 Hz - 20 kHz, Pick-up pattern cardioid, Equivalent noise level 26 dB (A), Power supply P12 - P48 V.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
240	<p>Supply, Installation, Testing and Commissioning of Antenna Distribution system.</p> <p><b>Technical Specification :</b> Attenuation 0 dB, RF frequency range 470 - 870 MHz, Operating voltage (stand alone) 13,8 V DC</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
250	<p>Supply, Installation, Testing and Commissioning of Directional Active Antena.</p> <p><b>Technical Specification :</b> Impedance 50 Ohm, Pick-up pattern directional, Frequency range 450 - 960 MHz, Antenna gain 4 dBi.</p> <p>Bidder must specify brand/make and technical specification of offered item. Gaurantee/Warenty of the item should be minimum 12 months from the date of commissioning and any other manufacturrer warrenty more than 12 months to be specified by the bidder.</p>	
260	<p>Supply, Installation, Testing and Commissioning of Equipment 19" Rack atleast 32U or Higher, Floor Mounted 800 mmW, 1000 mmD with front &amp; rear enclosure, Power Distribution Unit &amp; other accessories, to house the various PA system items as per line items 10 through 250 above as per site requirement. Enclosure should be with rust free treatment and painted with approved quality. Make either Custom or reputed brand make like Spider/APC or equivalent. Bidder to specify make and Technical specifications of the offered item.</p>	
270	<p>Supply, Installation, Testing and Commissioning of Speaker cable, 2 x 4 Sq. MM High Flexible Speaker Cable For Power Amplifiers Up To 4000 Watts. 224 Strands Of 0.15 mm Bare Copper Wires. Quantity as per site requirement. Bidder to specify make and Technical specifications of the offered item.</p>	

REVISED ANNEXURE-A to PART-II SOQ		
Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
280	Supply, Installation, Testing and Commissioning of Speaker Cable - 2 x 2.5 Sq.mm High flexible Speaker cable for power amplifiers upto minimum 500 Watt , Jacket - PVC, ø 0.32 in, black Conductor - Stranded bare copper wires, 140x35 AWG (13AWG). Quantity as per site requirement. Bidder to specify make and Technical specifications of the offered item.	
290	Supply, Installation, Testing and Commissioning of <b>Microphone Cable - 23/0.2mm</b> , Quantity as per site requirement. Audio Signal Cable; Balanced microphone cable with single shield, high flexible, velvet faint PVC-Jacket , Conductor: Stranded bare copper wires 28 x 0.10 mm (0.22mm <sup>2</sup> ) , Jacket: PVC, 6.0 mm max. Ø. Bidder to specify make and technical specifications of the offered item.	
300	Supply, Installation, Testing and Commissioning of <b>Twisted Pair shielded CAT6 cable</b> , Quantity as per site requirement. CAT6 Cable With 23 AWG solid bare copper conductors, Max. Capacitance Unbalance 90 pF/100m, Max. Conductor DCR 77 Ohm/km, Max. DCR Unbalance. Bidder to specify make and Technical specifications of the offered item.	
310	Supply, Installation, Testing and Commissioning of Various Connectors for items as per line items 10 through 300 above, for satisfactory performance of all items, equipment and accessories as per site requirement, 100 pair Male-Female connectors quantity as required. Bidder to specify make, item specification & quantity of offered item.	
320	Supply and installation of Auditorium Push Back Chair with proper cleaning before handover. Make/Brand: Rana/SBR/Kundan/TSI/Penworkers/Godrej/Methodex or equivalent. Specification: 1.0 Center – Centre : 20" ( Minimum ) to 23" Maximum 2.0 Back – Back (Steps) : 36" ( Minimum) 3.0 Total height of the Back From Floor Level : 39" - 41" Seat & Back – Inner Frames (Total weight 5.00 Kg) 1.0 50 x 25mm Tube 16g with 3 serpentine springs 2.0 25mm x 5mm thick MS Steel Frame with 3 zig zag springs: Weight: 3.00 Kg OR PPCP Plastic molded Seat Frame 1.50 Kg  Seat & Back Polyurethane Molded foam Cushion (Total wight 2.25 Kg). Both Seat & Back Cushioned with 50 Density Non sagging molded Polyurethane foam.  Fabric for Seat, Back & Side stands: Seat, Back & Side stand covered/ upholstered with “Vimal Harmony” or equivalent Brand Fire Retardant Grade fabric made by M/s Reliance Industries Limited or other reputed company.  Fabric Lamination: Seat, Back Top and Side stand Fabric further Laminated with 6mm thick U foam with polyester lining underneath for quilting and extra strength.  Push back system : (8.00 Kg): 1.0 Synchronized Push back system with seam less / welding less 14g seat supporting tray. 2.0 2 Nos. of 12G Back clamps. 3.0 2 Nos. of 14G Roller holders with 2 Nos. 30mm rollers 4.0 2 Nos. of 50 x 25mm M S Tubes of 16G Tubes 5.0 4 Nos. of 25mm x 6mm MS flat arms Side Stand : 4.50 Kg 1.0 16G CRC sheet 2 Nos. in Box type construction. 2.0 Heavy gauge one piece footrest 3.0 Covered with duly laminated upholstery fabric as used in seat & back. Armrest: Integrated skin type polyurethane foam made arm rest without cup holder. Accessories: Aisle Light Boxes and seat numbers made with reflective tape. Paint: All steel work Epoxy powder coated painted in 55 microns. Back cover: PPCP Molded Back cover (Weight 1.5 Kg) Installation: Installation with Anchor fasteners of 16mm Dia 65mm long x 4 Nos. each side stands. Bidder must specify brand/make and technical specification of offered item.	
330	Supply, Installation, Testing and Commissioning of of 1000W CE certified spun aluminum PARCAN providing illumination of 48188 lux at 2 mt in spot while 18500 lux at 2 mt when operated in flood made out of spun aluminum 16 SWG in 2 piece cylindrical construction with punched slot on Par can housing for natural ventilation and floating ceramic GX16d base lamp socket,copper flexible PVC insulated power cable with 3 pin CEE plug. Make : Canara Lighting or ARRI or Desisti or equivalent Bidder must specify brand/make and technical specification of offered item.	
340	Supply, Installation, Testing and Commissioning of LED Par RGBW with high bright 7 DmX channels 25 Degree beam angle for illuminating the stage effect or mood lighting. Control DmX and Manual, LED 54 x 3W High bright, Control keypad to set address, 0 ~ 100% stage quality dimming. Make : Canara Lighting or Robe or Martin or equivalent Bidder must specify brand/make and technical specification of offered item.	



<b>REVISED ANNEXURE-A to PART-II SOQ</b>		
<b>Item No.</b>	<b>Description of Services</b>	<b>Make, Model &amp; Specification (to be specified by the bidder)</b>
350	Supply, Installation, Testing and Commissioning of 4 x 100W LED Blinder effect light 3200K CCT high CRI & TLCI values, DmX & Manual control, 100W lamp source COB type LED's, 0 ~ 100% dimming, 30 degree beam angle, 5 Pin XLR for make and female, Power in and out. Make : Canara Lighting or Selecon or Robe or equivalent Bidder must specify brand/make and technical specification of offered item.	
360	Supply, Installation, Testing and Commissioning of 750W stage profile spot light powder coated diecast body with below specification • Lamp 750W HPL • Beam spread 19° • Dimension of 560 x 340 x 430mm • Weighing 6.2Kg, • Dichroic reflector, • G9.5 lamp base • 4 Beam shaping shutters • 3mtrs power cord with 16amps CE plug • Normal yoke with adjustable keys for tilt rotation • Fine adjustment in lamp focus position for adjustment. Make : Canara Lighting Canara Lighting or Selecon or Robe.or equivalent Bidder must specify brand/make and technical specification of offered item.	
370	Supply, Installation, Testing and Commissioning of Accessories For the lights consists of C Clamp and Safety Bonds for all the light fixtures, Barndoor for LED par and required name plates.	
380	Supply, Installation, Testing and Commissioning of Extruded MS "C" track size 50x40 made up of TATA/SAIL/Jindal make or other reputed brand, undergone 7 Tank chemical treatment to keep them rust free and powder coated, grid at top the stage area to suspend the fly bars,etc with suspender. Make Stage lighting or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
390	Supply, Installation, Testing and Commissioning of Fly bar, length 12 mtrs made using 40NB dual barrel made up of TATA/SAIL/Jindal make or other reputed brand undergone through 7 tank process with various chemical treatment to keep them rust free and powder coated. Make Stage lighting or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
400	Supply, Installation, Testing and Commissioning of Fixed side bar of 6 mtrs length made using 40NB dual barrel dual construction arrangement undergone 7 Tank chemical treatment to keep them rust free and powder coated and provided with perforated trays & Suspenders. Make Stage lighting or Stage technologies or Canara Lighting. or equivalent. Bidder must specify brand/make and technical specification of offered item.	
410	Supply, Installation, Testing and Commissioning of MS Power Junction box made up of 22SWG CRCA sheet of TATA/Jindal/SAIL make or equivalent reputed brand undergone through various chemical treatment to keep them rust free and duly powder coated 1 way 16A IEC Socket, with suitable glands. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	
420	Supply, Installation, Testing and Commissioning of MS Power Junction box made up of 22SWG CRCA sheet of Jindal/TATA/SAIL make undergone through various chemical treatment to keep them rust free and duly powder coated 4 way 10A IEC Socket, with suitable glands. Make : Canara Lighting or equivalent as per site requirement.	
430	Supply, Installation, Testing and Commissioning of MS Signal Junction Box sheet metal fabricated DMX junction box made up of 22SWG CRCA sheet of TATA/Jindal/SAIL make or equivalent reputed brand undergone through various chemical treatment to keep them rust free and duly powder coated and fitted with 5 pin XLR DMX out connector. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	
440	Supply, Installation, Testing and Commissioning of MS PJB sheet metal fabricated 2-way power junction box undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish and fitted with 2 no 10amps IEC socket ON / OFF switch and necessary gland. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	
450	Supply, Installation, Testing and Commissioning of MS Marshaling box made up of 22SWG CRCA sheet of TATA/Jindal/SAIL make or equivalent reputed brand undergone through various chemical treatment to keep them rust free and duly powder coated , with suitable glands & Terminal Blocks. Supply voltage 230 V ~ 50 Hz, Terminal capacity 1 - 4 mm2, Load per circuit 16 A. Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	
460	Supply, Installation, Testing and Commissioning of Well designed & engineered Wall mount 3 feeder motor control centre panel with necessary meterings,contactors & relays to control the curtain motors along with 3-way wired remote control panel to control the Curtain system (MCCP/RCP-3). Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification.	
470	Supply, Installation, Testing and Commissioning of Electrical Distribution Box Well designed and engineered wall mount type power distribution DB with necessary outgoing feeders and 200 amps incomer And 32 way MCB Panel module mount internally wired to control individual light points with fabricated panel rack. The enclosure should be treated with rustfree treatment and welpainted Make : Canara Lighting or equivalent as per site requirement. Bidder to specify brand & technical specification..	

REVISED ANNEXURE-A to PART-II SOQ		
Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
480	<p>Supply, Installation, Testing and Commissioning of Internal earthing network related to work. Customised as per site requirement. Earthing value must be within the limit as set by CEA. All internal earthing work should be of Copper.</p> <p>Supply, installation &amp; testing of Copper Plate earth station with 600 Each 2 mmx600 mm x3 mm copper earth plate with necessary 40 mm dia. G.I. medium duty watering pipe with G.I. Fittings such as Socket, Tee, elbow,nipple and 50 mmx40 mm G.I. reducing socket for funnel including locking arrangement with 300 mmx300 mmx6 mm C.I. hinged coverplate complete with digging of earth pit, construction of brick chamber and plastering of both inner &amp; outer surface of wall as specified and directed by the department.</p> <p>Supply, fitting &amp; fixing 20 mmx3 mm Copper strips drawn on vertically or horizontally on building wall/parapet wall in surface system complete with supply of Brass Nuts &amp; Bolts, Screws etc including riveting,soldering and making connection as approved by the Deptt. with earth electrode copper strips and Lightning Arrestor etc. as specified and directed by the department.</p>	
490	<p>Supply, Installation, Testing and Commissioning of Installation hardwares such as clamps, connectors, glands, lugs, ferruels etc. All items should be made rust free and duly powder coated in black matt texture finish. Custom make as per site requirement. Bidder must specify brand/make and technical specification of offered item.</p>	
500	<p>Supply, Installation, Testing and Commissioning of MS perforated trays with lid undergone through 7 tank chemical treatment to keep them rust free and duly powder coated in black matt texture finish of Size 75x40mm.</p> <p>Make : Stage lighting or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
510	<p>Supply, Installation, Testing and Commissioning of MS perforated trays with lid undergone through 7 tank chemical treatment to keep them rust free to keep them rust free and duly powder coated in black matt texture finish of Size 300x40mm.</p> <p>Make :Stage lighting or Stage technologies or Canara Lighting or equivalent.</p> <p>Bidder must specify brand/make and technical specification of offered item.</p>	
520	<p>Supply, Installation, Testing and Commissioning of Rack mount 12 channel (12chx2.5KW) Dimmer pack</p> <p><b>Technical Specifications:</b> Automatic frequency sensor can detect power frequency (45Hz – 63Hz) in different areas and stabilizes the dimming output.Output can be limited from 50% to 100% for over load protection.The thermo-controlled fan will be activated automatically when the temperature is over 45oC.:Power Supply: 100-240V AC, 45-63Hz.Output: Maximal 20A per channel.Control: DMX 512 protocol. Size (appx): 482 x 132 x 316mm , Weight: 13.5Kg (appx).</p> <p>Make: Liteputer or Avolite or Zero88 or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
530	<p>Supply, Installation, Testing and Commissioning of Grid mount photo isolator DMX splitter unit 1 DMX 2 input and 8 isolated output with following specifications:Power Supply: 90-240V AC, 45-63Hz. Control: DMX 512 protocol,Control Signal input: 5 pin XLR female,Size: 482 x 44 x 128mm Weight: 2Kg (appx), Mains 3.15A Slow Blow Fuse, Input Power 80W,</p> <p>Make: Liteputer or Avolite or Zero88 or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
540	<p>Supply, Installation, Testing and Commissioning of 96 Channel DmX controller complete with DMX 512 protocol control for lighting fixtures 24x4 pages total 4 page buttons, Scene and Chase modes, direct access faders and flash keys, Master fader and blackout key, LCD display, lock and unlock functions, Patching and controlling 96 dimmer channels.</p> <p>Make: Liteputer or Avolite or Zero88 or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
550	<p>Supply, Installation, Testing and Commissioning of 5 pin XLR male &amp; female connector. Quantity 15 pairs.</p> <p>Make Neutrik or Amphenol or Switchcraft or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
560	<p>Supply, Installation, Testing and Commissioning of 5 Pin XLR Termination plug. Quantity 15 pairs. Make Neutrik or Amphenol or Switchcraft or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
570	<p>Supply, Installation, Testing and Commissioning of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 3cx2.5 sq mm.</p> <p>Brand should be a reputed one. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	
580	<p>Supply, Installation, Testing and Commissioning of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 12c x 2.5 sq mm.</p> <p>Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.</p>	

REVISED ANNEXURE-A to PART-II SOQ		
Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
590	Supply, Installation, Testing and Commissioning of PVC Copper armoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 4c x 4 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.	
600	Supply, Installation, Testing and Commissioning of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 7cx1.5 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex or equivalent. Bidder must specify brand/make and technical specification of offered item.	
610	Supply, Installation, Testing and Commissioning of 5core DMX signal cable for DMX network. Cable should meet the required CAE norms. Make: Falcon/Beldon/Polycab or equivalent. Bidder must specify brand/make and technical specification of offered item.	
620	Supply, Installation, Testing and Commissioning of Main Scallop fixing arrangement using 40NB made up of SAIL/Jindal or equivalent reputed make 2 mm thick, 11 mtr in length MS pipe, undergone through 7 tank process with various chemical treatment to keep them rust free duly powder coated with matt black texture finish with mounting brackets. Make: Waagner Biro or Stage Technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
630	Supply, Installation, Testing and Commissioning of Main Curtain track system. <b>Technical Specification:</b> 12 mtr long, centre parting with overlap of 0.9 mtr provided with, Heavy duty extruded aluminium I track of 48x84mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 3PH INDUCTION MOTOR, VFD DUTY, 1.1KW, 3000RPM, 90B5 FLANGE MOUNT GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center Curtain holding Nylon wheel trolleys consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track. Nylon moulded 6201 Ball bearing Diverter pulley with with 90mm for outer diameter, 72 mm diameter at groove base, 19mm pulley thickness & MS yellow passivated Routing pulleys with 165mm for outer diameter, 150mm diameter at groove base with 12mm pulley thickness. Make: Waagner Biro or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
640	Supply, Installation, Testing and Commissioning of Rear Curtain track system. <b>Technical Specification :</b> 12 mtr long, centre parting with overlap of 0.9mtr provided with, Heavy duty extruded aluminium I track of 48x84mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 3PH INDUCTION MOTOR, VFD DUTY, 1.1KW, 3000RPM, 90B5 FLANGE MOUNT GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center Curtain holding Nylon wheel trolleys consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track. Nylon moulded 6201 Ball bearing Diverter pulley with with 90mm for outer diameter, 72mm diameter at groove base, 19mm pulley thickness & MS yellow passivated Routing pulleys with 165mm for outer diameter, 150mm diameter at groove base with 12mm pulley thickness. Make: Waagner Biro or Stage Technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
650	Supply, Installation, Testing and Commissioning of MS, Wing Dual frame construction, made out of 25X25mm MS square pipe with 2mm in thickness powder coated of size 9m x 2m , provided with 1.5meter wing track of 48X84mm with gridmount brackets made of 40X50X40mm C track Pivotal 4-wheeled suspension trolley Adjustable floor locking screw jacks with rubber grips Inverted 4-Wheeler Trolley with Flexi Adaptor Clamp Extruded track Aluminium I Profile to be laid through out the dept of the stage. Make: Waagner Biro or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
660	Supply, Installation, Testing and Commissioning of Cyclorama arrangement using aluminium extruded "I" track of 48 x 84mm duly powder coated in black texture finish to use as straight cyclorama track with MS fabricated Grid/wall mount bracket constructed of C track of dimension 40X50X40mm duly powder coated to hold the track, MS fabricated Tie down railing cut length 3 mtr duly powder coated to keep the cyclorama in drum tight arrangement, 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track, MS powder coated Leading edge frame to keep the cyclorama in drum tight arrangement of Size 8mtr x 6Mtr. Make: Waagner Biro or Stage technologies or Canara Lighting or equivalent. Bidder must specify brand/make and technical specification of offered item.	
670	Supply, Installation, Testing and Commissioning of MS Fabricated made up of 22SWG CRCA sheet of SAIL/TATA/Jindal make or equivalent brand undergone through 7 tank process with various chemical treatment to keep them rust free, duly powder coated with Matt black texture finish power junction box (PJB) to terminate the Motorized section power connections. Make : Canara Lighting /ABB/SCHNEIDER /or equivalent. Bidder must specify brand/make and technical specification of offered item.	

REVISED ANNEXURE-A to PART-II SOQ		
Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
680	Supply, Installation, Testing and Commissioning of Well designed and engineered Wall mount 2 feeder motor control centre panel / Remote control system with necessary meterings and contactors and relays to control motorised system (MCCP / RCP -2) Make : Canara Lighting or ABB or SCHNEIDER or equivalent. Bidder must specify brand/make and technical specification of offered item.	
690	Supply, Installation, Testing and Commissioning of Fire retardant velvete fabric with lining 300% gathering for main scallop with approved color duly stitched. Size : 11mtr x 1.5mtr. Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	
700	Supply, Installation, Testing and Commissioning of Fire retardant velvete fabric with lining, 100%(Double) gathering for Main curtain with approved color duly stitched and with eyelets. Size: 12mtr x 9mtr Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	
710	Supply, Installation, Testing and Commissioning of Fire retardant velvete fabric with lining, 50% gathering for Rear curtain with approved color duly stitched and with eyelets. Size: 12mtr x 9mtr Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	
720	Supply, Installation, Testing and Commissioning of cotton fabric with lining, 50% gathering for frill with approved color duly stitched and with eyelets. Size: 9.5mtr x 1.5mtr Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	
730	Supply, Installation, Testing and Commissioning of cotton fabric wing duly stiched with 0% gathering. Size: 9 mtr x 2 mtr. Make : Rayan or Ompile or Raymonds or equivalent. Bidder must specify brand/make and technical specification of offered item.	
740	Supply, Installation, Testing and Commissioning of Perforated plastic cyclorama screen with perforation on 1 side. Brand Canara Lighting or Qflex or Modern Stage or equivalent. Bidder must specify brand/make and technical specification of offered item.	
750	Supply, Installation, Testing and Commissioning of FRLS PVC copper multistrand flexible cable 7 core x 1.5 sq.mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex/Equivalent. Bidder must specify brand/make and technical specification of offered item.	
760	Supply, Installation, Testing and Commissioning of PVC Copper armoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 4cx4 sq mm. Make: Walna/SBEE/Polycab/KEI/Havels/Finolex/Equivalent. Bidder must specify brand/make and technical specification of offered item.	
770	Providing, fitting and fixing 16 seater conference table. <b>Technical Specification:</b> Made of of 19 mm / 12 mm thick ISI marked phenol bonded ISI marked anti termite BWP grade board and finished with 1.0 mm thick veneer sheets complete with internal painting, external PU polish, accessories, etc. Brand should be a reputed one. Bidder must specify brand/make and technical specification of offered item.	
780	Supplying and installation of vertical blinds with all fittings as per approved colour and shade complete in all respect for the windows. Exact Size is to be measured at Site. Brand should be a reputed one. Bidder must specify brand/make and technical specification of offered item.	
790	Supplying and fixing of reclined back revolving chairs with * Click High back chair * Synchro Mechanism, * Two Way Adjustable Arms * Nylon Base. Make: Featherlite or Godrej or Methodex or Harman Miller or equivalent. Bidder must specify brand/make and technical specification of offered item.	
800	Supplying and fixing of reclined back revolving chairs with * Telemate Medium Back * Synchro Mechanism 8828 1324 7504 * Two Way Adjustable Arms each * Nylon Base Make: Featherlite or Methodex or Godrej or Harman Miller or equivalent. Bidder must specify brand/make and technical specification of offered item.	

**REVISED ANNEXURE-A to PART-II SOQ**

Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
810	<p>Supply and installation of Fine wood wool panel of reputed brand like HERADESIGN or ANUTONE or ARMSTRONG or equivalent brand of size 1200 x 600 x 15mm mounted on proprietary supplied G I Frame work consisting of basic profile, main profile, edge profile and spacer. The fabric of approved colour.</p> <p>Mounting of the edge profiles C: attach the edge profiles C at the specified distance from the floor, align them and screw each with two stainless steel drilling screws of the dimension 4.8 x 20 mm to the basic profiles. Put the drilling screws in the groove</p> <p>Mounting of the acoustic panels and main profiles B: the acoustic panels with edge design SY-02 and the main installed piece by piece while paying attention to the grid dimension and equally sized end fields. Start mounting the Hera boards.</p> <p>When installing, pressure join the panel joints with the help of an installation block and hammer. Take note of the installation directions marked on the back of the panel. Installation patterns in cross joints require more effort to mount.</p> <p>Glass wool backfilling: a requisite glass wool backfilling of 50 mm thickness 24 kg density per m3 is installed step by step with the acoustic panels. If necessary, the lowest layer should be secured against downward movement.</p> <p>Linear expansion with temperature changes of up to 30°C: To compensate for this, there has to be a free distance of at least 5 mm at the longitudinal joints of basic sections or main profiles for lengths of over 6 m. With temperature changes of over 30 Degree C.</p> <p>Corrosion protection requirements: the dowels and screws have to be chosen according to the existing corrosion load. In order to avoid contact corrosion, stainless steel screws have to be used to connect the aluminium sections with each other.</p> <p>At least three spacers have to be set per basic profile of 3000 mm length. If the basic profile is mounted with only two spacers, the maximum distance between these must not exceed 800 mm.</p> <p>Fabric : FR grade fabric of specified shade or shades shall be stretched on the HERADESIGN or ANUTONE or ARMSTRONG Fine 15 mm panels using Vinyl Tracks Stretching System. Stretch Perimeter Track half wrap/ full wrap 15 mm and Mid Seam Track 15 mm shall be staple-fixed to the wood</p> <p>Tile Specification :</p> <p>Magnesite bonded wood wool acoustic panel with fibre width of 2mm.                      1200 * 600 * 15mm thickness                      Edge Detail : Square Edge                      Humidity Resistance : 90%.                      Reaction to fire acc to EN 13501-1 B-s1,d0                      NRC = 0.85                      Thickness/Weight : 15 mm 8.2 Kg/m2                      Bidder must specify brand/make and technical specification of offered item.</p>	
820	<p>Supply and installation of 595 x 595 x 15 mm thick ( having density 100 Kg/m3, NRC 0.95, fire rating Class 1/A &amp; light reflectance of 85%) black glasswool tiles suspended by using T15 ceiling system which includes G.I Main-T MT15W36 at every 1200 c/c and Cross-T CT15W12 at 600 mm c/c &amp; CT15W06 at 1200mm c/c. Wall angle is fixed along the perimeter of wall with fasteners. The suspension is done with all accessories like , leveling clips &amp; wire rods as per the drawing.                      Bidder must specify technical specification of offered item.</p>	
830	<p>Supplying &amp; Fixing Parquet Teakwood flooring over stage with 150 X40 X 9 mm teakwood paraquets layed over 2 layers of levelled 12 mm thick. BWP plywood with synthetic adhesives; the plywood to be secured over stage framework; the framework to be filled with 50mm thick 48 kg per cum density fibreglass resin bonded insulation.</p> <p>Supplying &amp; Fixing Parquet Teakwood flooring over stage with 150 X40 X 9 mm teakwood paraquets layed over 2 layers of levelled 12 mm thick. BWP plywood with synthetic adhesives; the plywood to be secured over stage framework; the framework to be filled with 50mm thick 48 kg per cum density fibreglass resin bonded insulation.                      Bidder must specify brand/make and technical specification of offered item.</p>	
840	<p>Supplying and installation of vertical blinds with all fittings of as per approved colour and shade complete in all respect for the windows. Exact Size is to be measured at Site. Brand should be a reputed one. Bidder must specify brand/make and technical specification of offered item.</p>	
850	<p>Scaffolding work for installation of different equipment and panelling. Size &amp; quantity as per site requirement.</p>	
860	<p>Supply, fixing and connection of Earthing with G.I. earth pipe 3 metre long, 100 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. Make of the GI pipe shall be Tata Steel/Zindal/SAIL or equivalent make. Bidder must specify brand/make and technical specification of offered item.</p>	

REVISED ANNEXURE-A to PART-II SOQ

Item No.	Description of Services	Make, Model & Specification (to be specified by the bidder)
870	Supplying, laying and connection 25 mm X 3 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm). Bidder must specify brand/make and technical specification of offered item.	
880	Supply, laying/fixing and connection of 1x25 mmsq PVC 1100v grade, Heavy duty, PVC insulated, Black PVC sheathed cable with stranded, Aluminium conductor to DBs, MCC panels etc. The cable shall be approved by IS: 1554 with latest amendments. PVC insulation should be as per IS-5831. Manufacturer's name, cable size, voltage grade, ISI mark should be marked on the cable outer sheath in permanent manner at regular interval. Sequential marking should be provided on the cable outer sheath at every one meter length for measurement during use. Brand should be a reputed one with IS approved cable. Make:Finolex/havells/RR Kabel/KEI/Polycab/Equivalent IS approved cable. Bidder must specify brand/make and technical specification of offered item.	