

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB

NAME OF THE WORK :- SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AIR- CONDITIONERS , LIGHTNING PROTECTION SYATEM, SOUND SYSTEM AND STAGE LIGHTING AT AUDITORIUM BUILDING, COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY, OUAT, BHUBANESWAR IN THE DISTRICT OF KHURDA.

BID REF NO :- 82/PM/ELECT/OPHWC/2022-23

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-A	AIR CONDITIONER				
1	40006065 Supply of 8.5Tr Ductable AC(1 No. Indoor Unit & 1 No Outdoor Unit with Scroll Compressor & Corded remote control)-R410A Gas Make-	NO	8	171,875.00	1,375,000.00
2	40006067 Refrigerant copper piping,respective condensing unit & evaporator units with refrerent grade hard drawn copper tubes complete with pipe supports complete with insulation eRefrigerant copper piping with 13 mm nitrile rubberise insulation.	MTR	60	2,150.00	129,000.00
3	40006069 Hard PVC drain pipe line	MTR	70	250.00	17,500.00
4	40006071 Inter connecting 6 Core cable outdoor unit to indoor unit	MTR	70	280.00	19,600.00
5	40006073 Design,Supply,fabrication & erection of air distribution Ducting in accordance with the approved ducting lay out drawing complete with all accessories,support etc. 24G GI Sheet	MTR	420	950.00	399,000.00
6	40006075 Supply of Jet Nozzle	NO	24	3,500.00	84,000.00
7	40006077 Supply of Acoustic insulation inside the SA Ducts with 10 mm thick	MTR	35	915.00	32,025.00
8	40006079 Providing insulation over the ducts with 13mm thick nitrile rubber insulation	MTR	300	80.00	24,000.00
9	40006081 Canvas Connection.	NO	8	2,000.00	16,000.00

10	40006083 Alluminium powder coated grill.	M2	4	8,500.00	34,000.00
11	40006085 Installation,testing & commissioing with Nitrogen leak testing & Veccuming for ductable AC.	NO	8	10,000.00	80,000.00
	TOTAL RS.(PART-A)				2,210,125.00
PART-B	LIGHTNING PROTECTION SYSTEM				
1	40002086 Air-Terminal Supply, Installation, Testing & Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal. Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area. Protection Radius :- 48 Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	99,250.00	99,250.00
2	40002089 Lightning Strike Counter Supply, Installation, Testing & Commissioning of non-electronic & non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.	NO	1	27,250.00	27,250.00
3	40002095 Supply, Installation, Testing & Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	3	16,650.00	49,950.00
4	40002098 Supply, connection &Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	MTR	18	154.73	2,785.14

5	40002101 Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	18,665.00	18,665.00
6	40002720 Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	45	1,038.57	46,735.65
	Total Rs.(PART-B)				244,635.79
PART-C	SOUND SYSTEM				
1	40006094 supply and installation of PRX-415M Passive Speaker box including all accessories and connection(Make-JBL)	NO	8	51,135.59	409,084.72
2	40006096 supply and installation of Control 28-I wall mounted speaker box including all accessories and connection.(Make-JBL)	NO	8	26,898.30	215,186.40
3	40006098 supply and installation of XTI-4002 Amplifier including all accessories and connection(Make-CROWN)	NO	2	57,031.35	114,062.70
4	40006100 supply and installation of XLI-3500 Amplifier including all accessories and connection(Make-CROWN)	NO	2	37,754.23	75,508.46
5	40006102 supply and installation of Signature -16 mixture including all accessories and connection(Make-Soundcraft)	NO	1	33,559.32	33,559.32
6	40006104 supply and installation of DBX-231S-EQ(Make-DBX)	NO	1	31,881.35	31,881.35
7	40006106 supply and installation of SVX-288/PG-58 Dual Cordless microphone(Make-Shure)	NO	2	49,042.37	98,084.74
8	40006108 supply and installation of SVX 14/PG-31(Make-SHURE)	NO	2	27,686.44	55,372.88
9	40006110 supply and installation of Speaker cable-3087(Make-MX)	NO	3	7,627.11	22,881.33

10	40006112 supply and installation of Signal Cable-1976(Make-MX)	NO	3	9,152.54	27,457.62
	Total Rs.(PART-C)				1,083,079.52
PART-D	STAGE LIGHTING SYSTEM				
1	40005970 Supply Premium quality LED PARCAN Light with latest RDM technology for user friendly operation with below specifications: • Light Source : Single COB LED Source • Power Factor : >0.95 @ 230V AC 50Hz • Color Temperature : 3200K with CRI & TLCI Value > 90 • Power cable: 3 core 1 sq. mm. copper PVC insulated • Channels: 1/2 DMX-512 Channel Modes • Beam angle: 9°/15°/20°/25°/30° Manually Selectable • Control mode: RDM, DMX512 & Manual, Master/Slave, Auto run • Fully RDM Compliant in DMX Mode for the Lighting Console mentioned in this project. • LUX @ 2m: > 40,000 @ 9° Beam Angle • Flickering Rate : more than 10000 FPS • Dimming: 0 - 100% Electronic Dimming • Function: Strobe, Dimming • Housing : Spun Aluminium Housing with black epoxy polyester powder coated finish. • Accessory slot for Gel frame and Barndoor should be available or else fixture will be rejected. • Power and DMX: Loop in and loop out compulsory • DMX in & Out Through : 5 Pin XLR connectors • Certification: CE / BIS (Make-Canara Lighting / Shenoy Lighting / Phillips / Elation Model-CAN LED PARCAN 100	NO	10	30,763.00	307,630.00
2	40005975 SITC of 150wt of CE Certified LED RGBW Cyclorama Wash Light with RDM protocol and Laser cut aluminium body duly epoxy polyester powder coated in black matt texture finish with following specifications - • LED : 480x0.5W RGBW LED (120R + 120G + 120B+ 120W) Nichia or Lumiled Make LED • Beam Angle : 96° • Detachable Assymmetric reflector with 64°, 62° for uniform wash. • Light Out put : 3000 Lux at 1 Mtrs without assymmetric reflector. • User Interface : 4 Nos High Precision Tactile type selector switch with Seven Segment Display • Fully RDM Compliant when in DMX mode • Dimming : 0 to 100% 8 Bit Linear Dimming • DMX data IN / OUT: 5 pin locking XLR • Natural Cooling System. No fan, No noise. • 2.5 m Power In + 0.5 m Power out or 3 Mtr 3 core 1 mm ² FRLS & ISI mark cable with 3pin IEC Male Plug • 3 mtr DMX loop cable with cable mount 5 pin locking XLR • CE Certificate should be enclosed to ensure the required quality and safety of the products.(Make-Canara lighting/shenoy lighting/ philips/Elation),Model-CAN LED CYC 150	NO	4	56,500.00	226,000.00

3	<p>40005977 SITC of 400wt Premium quality LED Blinder Effect Light with latest RDM technology for user friendly operation with below specifications: • Light Source : Quad LED COB Source • Power Factor : >0.95 @ 230V AC 50Hz • Color Temperature : 3200K, CRI & TLCI Value > 95 • R9 Value > 94 • Power cable: 3 core 1 sq. mm. copper PVC insulated • Channels: 4/8 DMX-512 Channel Modes • Beam Angle : 40° • Control mode: RDM, DMX512 & Manual, Master/Slave, Auto run • Fully RDM Compliant in DMX Mode for the Lighting Console mentioned in this project. • Lux output at 2 Mtr : > 4,000 Lux @ 40° • Flickering Rate : more than 10000 FPS • Dimming: 0 - 100% Electronic Dimming • Power and DMX: Loop in and loop out compulsory • DMX in & Out Through : 5 Pin XLR connectors • Certification: CE / BIS .(Make-Canara lighting/shenoy lighting/philips/Elation),Model-CAN LED BLDR 400</p>	NO	8	38,295.00	306,360.00
4	<p>40005979 SITC of 162wt Premium quality LED PAR Light with latest RDM technology for user friendly operation with below specifications: • Base Color RGBW Color Mixing • LED Configuration : Multiple Nos Individual RGBW LED Configuration • Power cable: 3 core 1 sq. mm. copper PVC insulated • Channels: 8 DMX-512 • CRI : > 90 • Beam angle: 15° • Control mode: RDM, DMX512 & Manual, Master/Slave, Auto run, Sound Active • Fully RDM Compliant in DMX Mode for the Lighting Console mentioned in this project. • LUX @ 2m: >10,500 @ 15° Beam Angle • Dimming: 0 - 100% Electronic Dimming • Function: strobe, dimming, sound active and Master slave. • Housing: Die Casted Aluminium or Metal Housing with black epoxy polyester powder coated finish. • Accessory slot for Gel frame and Barndoor should be available or else fixture will be rejected. • Power and DMX: Loop in and loop out compulsory • DMX in & Out Through : 5 Pin XLR connectors • Certification: CE / BIS .(Make-Canara lighting/shenoy lighting/philips/Elation),Model-CAN LED PAR 543 Ground Floor</p>	NO	12	13,813.00	165,756.00
5	<p>40005983 Supply of 200wt Premium quality LED Profile Spot Light with latest RDM technology for user friendly operation with below specifications: • Light Source : Single LED COB Source • Power Factor : >0.95 @ 230V AC 50Hz • Color Temperature : 3200K, CRI & TLCI Value > 95 • R9 Value > 94 • Power cable: 3 core 1 sq. mm. copper PVC insulated • Channels: 1/2/3 DMX-512 Channel Modes • Beam Angle : 19° or 15° • Control mode: RDM, DMX512 & Manual, Master/Slave, Auto run • Fully RDM Compliant in DMX Mode for the Lighting Console mentioned in this project. • Lux output at 2 Mtr : > 20,000 Lux @ 19° or 15° • Flickering Rate : more than 10000 FPS • Dimming: 0 - 100% Electronic Dimming • 4 Beam shaping shutters • Accessory slot for Gobo and gobo holder, Iris & Color Frame should be available or else fixture will be rejected. • Housing: Metal Housing with black epoxy polyester powder coated finish or PVC Body with matt black finish • Power and DMX: Loop in and loop out compulsory • DMX in & Out Through : 5 Pin XLR connectors • Certification: CE / BIS (Make-Canara Lighting / Shenoy Lighting / Phillips / Elation model-CAN LED PRO 219</p>	NO	2	79,100.00	158,200.00

6	<p>40005985 Supply of 162wt Premium quality LED PAR Light with latest RDM technology for user friendly operation with below specifications: • Base Color 3200K Color Mixing • LED Configuration : Multiple Nos Individual 3200K LED Configuartion • Power cable: 3 core 1 sq. mm. copper PVC insulated • Channels: 1 DMX-512 • Beam angle: 15° • Control mode: RDM, DMX512 & Manual • Fully RDM Compliant in DMX Mode for the Lighting Console mentioned in this project. • LUX @ 2m: >7,500 @ 15° Beam Angle • Dimming: 0 - 100% Electronic Dimming • Function: strobe, dimming, sound active and Master slave. • Housing: Die Casted Aluminium or Metal Housing with black epoxy polyster powder coated finish. • Accessory slot for Gel frame and Barndoor should be available or else fixture will be rejected. • Power and DMX: Loop in and loop out compulsory • DMX in & Out Through : 5 Pin XLR connectors • Certification: CE / BIS (Make-Canara Lighting / Shenoy Lighting / Phillips / Elation model-CAN LED PAR 543T</p>	NO	8	13,813.00	110,504.00
7	<p>40005986 Supply of 150W LED Beam, Spot, Wash MOVING Light with RDM protocol and Hi grade plastic body black color with following specifications - • LED : 150W • Beam Angle : 3°~7° , Zoom Angle : 7°~21° • Power Consumption : 150W ± 10% • Light Out put : 19,000-20,000 Lux at 2 Mtrs • Color Wheel : Minimum 7 Colors and open or More • Fixed Gobo Wheel : Minimum 10 Fixed Gobos or More • Rotating Gobo wheel : Minimum 6 Rotating Gobos or More • User Interface : 4 Nos High Precision Membrane type selector switch with LCD Display • Fully RDM Compliant when in DMX mode • Dimming : 0 to 100% 16 Bit Linear Dimming • DMX data IN / OUT: 5 pin locking XLR • Cooling system with low noise fan for forced ventilation • 3 Mtr 3 core 1 mm² FRLS & ISI mark cable with 3pin IEC Male Plug with proper earthing • 3 mtr DMX loop cable with cable mount 5 pin locking XLR Make-Canara Lighting / Shenoy Lighting / Phillips / Elation,Model-CAN LED MH 150P</p>	NO	1	90,400.00	90,400.00
8	<p>40005988 Supply of Die cast Aluminium C - Clamp with safety chain duly epoxy polyester powder coated in black matt texture finish and safe working load of 100kg with below specifications. • Lock - MS threaded Galvanized lock key, • Plastic Glass filled nylon moulded M6 key. • Receptacle - 28mm standard TV spigot. • Safety - MS Galvanized chain with pin. • Finish - Pretreated and black epoxy polyester powder coated. • Self-weight - 0.54Kg Make-Canara Lighting / Shenoy Lighting / Manfrotto / Avengers,Model-ACC-10</p>	NO	46	1,081.00	49,726.00
9	<p>40005990 Supply of Safety bond with lock clip 1.5 Mtr Long made with twisted pair of GI wire rope, 2mm or 3mm Thickness with sleeve to be fixed around the grid to avoid fall of the material in case if the "C" clamp is not locked properly. SWL 150Kgs. Make-Canara Lighting / Shenoy Lighting / Manfrotto / Avengers,Model-SB-15</p>	NO	46	315.00	14,490.00

10	<p>40005992 Supply of 79mm Round Identification name plate duly epoxy polyester powder coated in matt texture finish. Make-Canara Lighting / Shenoy Lighting / Manfrotto / Avengers,Model-INP-79</p>	NO	46	190.00	8,740.00
11	<p>40005994 Supply of MS Pipe of Class 'B' 48mm OD to be used for making 1x1mtr square matrix grid used for suspending Lighting fixtures and other equipment for fulfilling all the requirement for Studio Lighting. Make-Shenoy Lighting / Canara lighting Jindal / Tata Model-B40NB Ground Floor</p>	MTR	225	678.00	152,550.00
12	<p>40005996 Supply of Customized MS Suspenders made up of • MS fish plate 150 x 150 x 6 mm with hardware's if required as per site condition • MS Angle 40 x 40 x 5 mm or higher size required length as per site condition to Hold the "C" track rigidly held With SWL of 200kg. (As per site requirement). • Height adjustable M12 stud of suitable length as per site requirement along with suitable hardware's with pipe coupler clamp. (As per site requirement). • All the materials under gone through 7 tank process with various chemical treatment to keep them rust free with and duly epoxy polyester powder coated in black matt texture finish. Make-Custom</p>	NO	45	1,909.00	85,905.00
13	<p>40005998 Supply of Front of Stage Light Bar, length 13 Mtrs made using MS 40NB Class 'B' Pipe dual barrel construction arrangement undergone through various chemical treatment to keep them rust free and duly epoxy polyester powder coated in black matt texture finish with Below Specifications: • Dual barrel Light bar equipped with 40x75x40 Cable trenching arrangement with lid for better aesthetic look and cable safety. • Dual barrel pipe construction welded with 75x6mm MS Flat in every 1 Mtr for better strength • With Suitable Suspenders to fix the light bar with every 2mtr pitch. Make-Shenoy Lighting / Canara lighting/Jindal / Tata,Model-FLB-13M</p>	NO	1	43,362.00	43,362.00
14	<p>40006000 Supply of Main Curtain track system 16 Mtrs long, center parting with overlap of 0.9mtr arrangement undergone through various chemical treatment to keep them rust free and duly epoxy polyester powder coated in black matt texture finish with Below Specifications: • Heavy duty curtain track duly epoxy polyester powder coated in black matt texture finish. • 1.0 HP Motor, 3 Phase Motor. • GI wire ropes with steel core at center. • Curtain holding trollies placed uniformly at specific interval of 200mm /250 mm throughout the track. • Diverter pulley • MS yellow passivized Routing pulleys with ball bearing for smoother noiseless movement 165mm for outer diameter, 145mm diameter at groove base with 12mm pulley thickness. • All the materials under gone through 7 tank process with various chemical treatment to keep them rust free with and duly epoxy polyester powder coated in black matt texture finish. Make-Canara Lighting / Shenoy Lighting / Waagner Biro,Model-MCT-16M</p>	NO	1	295,058.00	295,058.00

15	<p>40006002 Supply of Rear Curtain track system 12 Mtrs long, center parting with overlap of 0.9mtr arrangement undergone through various chemical treatment to keep them rust free and duly epoxy polyester powder coated in black matt texture finish with Below Specifications: • Heavy duty curtain track duly epoxy polyester powder coated in black matt texture finish. • 1.0 HP Motor, 3 Phase Motor. • GI wire ropes with steel core at center. • Curtain holding trollies placed uniformly at specific interval of 200mm /250 mm throughout the track. • Diverter pulley • MS yellow passivized Routing pulleys with ball bearing for smoother noiseless movement 165mm for outer diameter, 145mm diameter at groove base with 12mm pulley thickness. • All the materials under gone through 7 tank process with various chemical treatment to keep them rust free with and duly epoxy polyester powder coated in black matt texture finish. Make-Canara Lighting / Shenoy Lighting / Waagner Biro,Model-RCT-12M</p>	NO	1	282,500.00	282,500.00
16	<p>40006004 Supply of MS, Wing frame made out of 25X25mm or higher size made of MS square pipe with 2mm in thickness undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish with Below Specifications: • Wing Frame Size 3.5 x 1.5 Mtr • 1.5meter wing track of 48x84mm with grid mount 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, • Heavy duty wing track to be laid for minimum length of 1.5mtr, along the width of the stage. • 360° Rotatable and can move in unidirectional • All the materials under gone through 7 tank process with various chemical treatment to keep them rust free with and duly epoxy polyester powder coated in black matt texture finish. Make-Canara Lighting / Shenoy Lighting / Waagner Biro,Model-WF-3515M</p>	NO	6	31,390.00	188,340.00
17	<p>40006006 Supply ofCyclorama frame arrangement of size 9 Mtr x 3.5 Mtr undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish with Below Specifications: • Heavy duty Cyclorama 9Mtr Length duly epoxy polyester powder coated in black matt texture finish to use as straight cyclorama track • MS fabricated Grid/wall mount bracket constructed of C track of dimension 40X50X40mm duly powder coated to hold the Cyclorama 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/250mm throughout the track to hold the cyclorama screen • MS powder coated Leading edge pipe of 25NB, 33.4MM OD, 2mm thickness to keep the cyclorama in drum tight arrangement. • All the MS materials under gone through 7 tank process with various chemical treatment to keep them rust free with and duly epoxy polyester powder coated in black matt texture finish. Make-Shenoy Lighting / Canara lighting / Jindal / Tata,Model-XF-0935M</p>	NO	1	75,209.00	75,209.00

18	<p>40006008 Supply of Main Valance Bar, length 16 Mtrs made using 40NB, 48mm OD construction arrangement 2mm Thickness undergone through various chemical treatment to keep them rust free and duly epoxy polyester powder coated in black matt texture finish with suitable suspenders. Make-Shenoy Lighting / Canara lighting / Jindal / Tata,model-FVB-16M</p>	NO	1	26,118.00	26,118.00
19	<p>40006010 Supply of MS Fabricated 4 way 10A, 250V A.C, IEC, Lighting Junction box made up of 22SWG CRCA for LED lighting fixtures with Pipe clamp arrangement for fixing on pipe grid or Raul plug arrangement for wall/floor fixing, duly black epoxy polyester powder coated texture finish.Make-Canara Lighting / Shenoy Lighting / Nutrik / Amphenol / ABB / Havels / L&T Model-JB-410IEC Ground Floor</p>	NO	15	678.00	10,170.00
20	<p>40006012 Supply of MS Fabricated 2 way 10A, 250V A.C, IEC, Junction box made up of 22SWG CRCA with rocker switch to power up splitter and console with Pipe clamp on pipe grid arrangement for fixing or Raul plug arrangement for wall/floor fixing, duly black epoxy polyester powder coated texture finish.Make-Canara Lighting / Shenoy Lighting / Nutrik / Amphenol / ABB / Havels / L&T,Model-PSB-210IEC</p>	NO	3	565.00	1,695.00
21	<p>40006014 Supply of MS Fabricated 5 pin DMX Signal IN Junction box fitted with 5 pin DMX Male socket, junction box made up of 22SWG CRCA, with Pipe clamp on pipe grid arrangement for fixing or Raul plug arrangement for wall/floor fixing, black epoxy polyester powder coated, duly black epoxy polyester powder coated texture finish. Make-Canara Lighting / Shenoy Lighting / Nutrik / Amphenol / ABB / Havels / L&T, Model-DMX-IBM5</p>	NO	1	806.00	806.00
22	<p>40006016 Supply of MS Fabricated 5 pin DMX Signal OUT Junction box fitted with 5 pin DMX female socket, junction box made up of 22SWG CRCA, with Pipe clamp on pipe grid arrangement for fixing or Raul plug arrangement for wall/floor fixing, black epoxy polyester powder coated, duly black epoxy polyester powder coated texture finish. Make-Canara Lighting / Shenoy Lighting / Nutrik / Amphenol / ABB / Havels / L&T Model-DMX-OBF5</p>	NO	8	806.00	6,448.00
23	<p>40006018 Supply of Fabricated 5 pin DMX Signal loop Junction box fitted with 5 pin DMX Male & Female socket with 0.3 Mtr DMX Loop cable fitted with 5 pin DMX cable mount plug, junction box made up of 22SWG CRCA, with Pipe clamp on pipe grid arrangement for fixing or Raul plug arrangement for wall/floor fixing, black epoxy polyester powder coated, duly black epoxy polyester powder coated texture finish. Make-Canara Lighting / Shenoy Lighting / Nutrik / Amphenol / ABB / Havels / L&T Model-DMX-WLB5</p>	NO	1	2,199.00	2,199.00

24	40006020 Supply of Well designed 15 Way Direct Lighting Distribution Board made up of CRCA sheet undergone through 7 tank process with various chemical treatment to keep them rust free, duly powder coated with Matt texture finish consists of R, Y, B Indicator lamp, 32A TPN incomer, SP Mcb's and for the junction boxes fixed on the top of the light bar including wiring and busbar connection with proper earthing and Hingable door with magnetic door lock complete. Make-Canara Lighting / Shenoy Lighting // ABB / Havels / L&T Model-DLDB-24	NO	1	56,500.00	56,500.00
25	40006022 Supply of Auxiliary marshalling box for power and signal cable termination in grid level and in Motorised Light bar • CE Marked FC/PG cable entry gland required Nos as per cable entry. • MS channel arranging to fix terminal connector, required nos with separation plate and each end is completed with adding end plate with end cap. • Grey terminal connector with each line having P, N, E Indication for each line incoming and out going cable connectors. • Box door must be made with Hingeable door with screw lock. • Made up of 20SWG CRCA sheet undergone through 7 tank process with various chemical treatment to keep them rust free, duly epoxy polyester powder coated with Matt black texture finish. Make-Canara Lighting / Shenoy Lighting // ABB / Havels / L&T ,Model-AMB	NO	1	6,908.00	6,908.00
26	40006023 Supply of Motor Cable Termination box for power cable termination at grid level. • CE certified FC/PG 11 & 13.5 cable entry gland required Nos as per cable entry. • MS channel arranging to fix grey terminal connector, required nos with separation plate and each end is completed with adding end plate with end cap. • Grey terminal connector with each line having L1, L2, L3, E, 6 , 2 , 4 Indication for each line incoming and outgoing cable connectors (L1, L2, L3, E for Power supply & 6 , 2 , 4 for Limit Switch connection) • Box door must be made with Hingeable door with screw lock. • Grid mount fixing arrangement for fixing on grid or Anchor fastener for wall/floor fixing • MS Boxe made up of 20SWG CRCA sheet undergone through 7 tank process with various chemical treatment to keep them rust free, duly epoxy polyester powder coated with Matt black texture finish.make-Canara Lighting / Shenoy Lighting // ABB / Havels / L&T,Model-PJB	NO	2	1,005.00	2,010.00

27	<p>40006025 Supply of MS Fabricated Combined 2 Way Motor Control Center panel cum Remote Control panel for Curtain & Light bar system made up of 14SWG / 16SWG / 18 SWG CRCA sheet undergone through 7 tank process with various chemical treatment to keep them rust free, duly epoxy polyester powder coated with Matt seaman's grey texture finish with following specifications. • 16A TP or TPN Incomer. • Main Contactor of 9A 240V 4 pole contactor with 04 -06A Over Load relay for safety • 24V 4 pole Low Voltage Contactors • 240V / 24 V Step-down transformer for Low voltage Contactors • All the FRLS PVC ISI Marking cables inside the panel routed through PVC gray color cable trough. • Red Color Mushroom head push button for emergency stop • Yellow color reset push button • Master sector actuator switch with 3 Position UP, DOWN & OFF • Spring return selector switch for each hoist with UP & DOWN indication. • All the cables inside the panel routed through PVC gray color cable trough. • Panel Including wiring with proper earthing. Make-Canara Lighting / Shenoy Lighting / / ABB / Havels / L&T ,Model-MCCP/RCP-2</p>	NO	1	75,335.00	75,335.00
28	<p>40006027 Supply of RDM Compatible DMX Splitter unit with Minimum following specifications. • 1 Nos 5 Pin DMX In socket and 8 Nos 5 Pin DMX Out socket • In and out signal Optically Isolated • Atleast 8 LED Indicator for check the signal flow in each output. •Suitable for standard 19" cabinet • Duly black epoxy polyester powder coated texture finish. Make-Avolites / Liteputer / Zero 88 / Canara Lighting / Chamsys,Model-CS-81</p>	NO	1	25,113.00	25,113.00
29	<p>40006029 SITC of RDM Compatible Digital Lighting console with Minimum following specifications. • 1024 Channel, 2 Universe, • 2 nos of DMX 5 Pin output. • No. Of Direct Fixture Control : Atleast 120 • No. Of Faders : Atleast 20 • No. Of Playback : Atleast 3 • Atleast 3 Encoder Wheels • LCD Ddisplay for user interface • Should support ART-NET Port • Fully RDM Compliant in DMX Mode Make-Avolites / Liteputer / Zero 88 / Canara Lighting /Chamsys ,Model-CANDX-C96</p>	NO	1	106,724.00	106,724.00
30	<p>40006031 SITC of 5 pin XLR male / female connectors of made up of Extra high temperature resistant insulator material, Larger solder contacts for easier termination. Make-Canara Lighting / Nutrik / Amphenol / Liteputer ,Model-DMX5-CP</p>	NO	12	303.00	3,636.00
31	<p>40006033 SITC of 5 Pin XLR Termination plug made up of extra high temperature resistant insulator material, Larger solder contacts for easier termination with 120 Ohm resister with 0.25Watt for signal termination. Make-Canara Lighting / Nutrik / Amphenol / Liteputer ,Model-DMX5-TP</p>	NO	8	327.00	2,616.00
32	<p>40006035 Supply of Main Curtain Fabric : Fire retardant velvette fabric with lining 100% (2 times of the finished dimension) gathering as per the approved patern and colour, not less than 300 GSM, duly stitched along with eyelets. Make-Nexgen / Omphile / Mayur,Model-Custom 17x4 mtr</p>	NO	1	159,306.00	159,306.00

33	40006037 Supply of Main Valance Fabric : Fire retardant velvette fabric 100% (2 times of the finished dimension) gathering as per the approved patern and colour, not less than 300 GSM, duly stitched along with eyelets. Make-Nexgen / Omphile / Mayur,Model-Custom 16x1.4mtr	NO	1	45,246.00	45,246.00
34	40006039 Supply of Rear Curtain Fabric : Fire retardant cotton fabric 50% gathering for as per the approved patern and colour, not less than 250 GSM, duly stitched along with eyelets. Make-Nexgen / Omphile / Mayur,Model-Custom 13x4 mtr	NO	1	96,954.00	96,954.00
35	40006041 Supply of Frill Fabric : Fire retardant cotton fabric 50% gathering as per the approved patern and colour, not less than 250 GSM, duly stitched along with eyelets. Make-Nexgen / Omphile / Mayur,Model-Custom 14x1.2mtr	NO	2	31,324.00	62,648.00
36	40006043 Supply of Wing Fabric : Fire retardant cotton fabric 0% gathering for as per the approved patern and colour, not less than 250 GSM, duly stitched along with eyelets. Make-Nexgen / Omphile / Mayur,Model-Custom 3.5x3.1mtr	NO	2	13,488.00	26,976.00
37	40006045 Supply of Perforated plastic Cyclorama screen with seam welded, off white, with eyelets along all four sides, perforated plastic screen with eyelets. Make-GTC / Canara Lighting / Showtex,Model-Custom	NO	1	79,100.00	79,100.00
38	40006047 SITC of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 3cx1.5 sq mm. Make-Walna /Polycab / KEI / SBEE	MTR	650	128.00	83,200.00
39	40006049 SITC of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 7cx1.5 sq mm. Make-Walna /Polycab / KEI / SBEE,Model-Custom	MTR	60	266.00	15,960.00
40	40006051 SITC of PVC Copper unarmoured flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 4cx 4 sq mm. Make-Walna /Polycab / KEI / SBEE	MTR	20	410.00	8,200.00
41	40006053 SITC of FR Grade DMX Signal 4 core + Ground shielding Cable with CE mark for the Signal network. Make-Falcon / Deepcab / Beldon	MTR	250	153.00	38,250.00
42	40006055 SITC of MS perforated tray of Size 40 x 75 x 40mm & 1.6 mm Thickness undergone through 7 tank process with various chemical tr eatment to keep them rust free, duly epoxy polyester powder coated with Matt black texture finish along with clamping arrangement. Make-Ricco / Canara Lighting / Plico,Model-PCTL-0752	MTR	75	818.00	61,350.00

43	40006057 SITC of Internal earthing copper bare conductor of size 14 SWG for power network related to work coming under our scope.	NO	1	10,360.00	10,360.00
44	40006059 SITC of Installation hardware's such as clamps, connectors, glands, lugs, ferrules, welding rods and miscellaneous items required during installation work.	NO	1	20,719.00	20,719.00
	Total Rs.(PART-D)				3,595,277.00
	Total Cost(PART-A+PART-B+PART-C+PART-D)				7,133,117.31
	CESS @1%				71,331.17
	Total Estimated Cost				7,204,448.48
	Total Estimated Cost in Figures				7,204,448.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____ %
	Quoted Amount in Figure				
	Quoted Amount in words				

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

Sd/-
Asst. Project Manager [Elect.]

Sd/-
APM (Elect.) Hqr.

Sd/-
Project Manager(Elect.)