

NAGPUR MUNICIPAL CORPORATION, Nagpur
Quotation Notice

Commissioner NMC invites Quotations. These Quotations can be Physically Submitted by the manufacturers, dealers and contractors . Rates Quoted by the manufacturers, dealers and contractors as per the item list available on Nagpur Municipal Website (www.nmcnagpur.gov.in)

1) Right to reject any or all quotation without assigning any reason is reserved by the Municipal Commissioner N.M.C. Nagpur.

2) For any details regarding project, contact to Executive Engineer (Project) , 5 th floor NMC Building, Civil Lines, Nagpur 440001. Email ID- eeprojectnmc@gmail.com

3) Quotations submit before 08-11-2023 up to 4.00 PM

Sr No	It no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
		A:- SANITARY FIXTURES :				
1	19	Providing, fixing, testing & commissioning of Automatic sensor for urinal with 15 mm dia control cock, C.P. brass flush pipe, nuts, vacuum breaker set with coupling nut, clamp and screws, C.P. spreader and wall flange including complete connection to urinal complete as required. (NON SSR)				
	A	LOWER AND UPPER GROUND	10.00	Nos		
	B	FIRST FLOOR	6.00	Nos		
	C	SECOND FLOOR	6.00	Nos		
	D	THIRD FLOOR	6.00	Nos		
	E	FOURTH FLOOR	6.00	Nos		
2	20	For Urinal's Sensors 1.5 sq.mm and 3 core concealed wiring shall be provided with all necessary works. (5Meter length) (NON SSR)				
	A	LOWER AND UPPER GROUND	10.00	Nos		
	B	FIRST FLOOR	6.00	Nos		
	C	SECOND FLOOR	6.00	Nos		
	D	THIRD FLOOR	6.00	Nos		
	E	FOURTH FLOOR	6.00	Nos		
3	21	Providing and fixing solid state, no touch operating, fully hygienic hand dryer of approved shade with single blower, with time delay, summer & winter control, music while drying, volume ON/OFF controls including providing necessary brackets, cable from drier to Plug, Plug top key and lock etc, complete as required. (NON SSR)				
	A	LOWER AND UPPER GROUND	4.00	Nos		
	B	FIRST FLOOR	4.00	Nos		
	C	SECOND FLOOR	4.00	Nos		
	D	THIRD FLOOR	4.00	Nos		
	E	FOURTH FLOOR	4.00	Nos		

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4	22	Providing, fixing, testing and commissioning of C.P Brass coat hook with screws on cleats including cutting and making good the walls wherever required. Coat & Hook shall be of three way type of approved and heavy quality. Coat & Hat Hook shall be CP brass and three way hook type or minimum six way patti type of 125 mm x 30 mm x 6mm size. CP coating shall not be less than service grade No.2 of IS 4827. (NON SSR)				
	A	LOWER AND UPPER GROUND	13.00	Nos		
	B	FIRST FLOOR	7.00	Nos		
	C	SECOND FLOOR	10.00	Nos		
	D	THIRD FLOOR	8.00	Nos		
	E	FOURTH FLOOR	8.00	Nos		
		C:- INTERNAL WATER SUPPLY :				
5	30	Providing & fixing full way lever operated forged brass ball valve (PN 10) as per IS:1703 of brass body with forged brass hard chrome-plated steel ball tested to a pressure not less than 10 Kg / sq.cm with threaded / flanged joints complete with nuts, bolts, gaskets, washers etc. (NON SSR)				
	A	LOWER AND UPPER GROUND	8.00	Rmt		
	B	FIRST FLOOR	8.00	Rmt		
	C	SECOND FLOOR	8.00	Rmt		
	D	THIRD FLOOR	8.00	Rmt		
	E	FOURTH FLOOR	8.00	Rmt		
		D:- INTERNAL DRAINAGE :				

Sr No	It no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
6	31	Providing and fixing floor trap connection 75mm diameter plasticized polyvinyl chloride (UPVC) ultra violet stabilized deep seal Nahani trap including PVC grating confirming to IS 4985, rubber plug and piece of PVC pipes of suitable diameter and length upto outside face of wall and making all joints water tight with providing rubber socketed packing and sealing with suitable and durable water tight resins and making holes in masonry / concrete, redoing the same with cement mortar 1:4 and curing etc. complete. As directed by Engineer in charge. (NON SSR)				
	A	LOWER AND UPPER GROUND	20.00	Nos		
	B	FIRST FLOOR	20.00	Nos		
	C	SECOND FLOOR	20.00	Nos		
	D	THIRD FLOOR	20.00	Nos		
	E	FOURTH FLOOR	20.00	Nos		
	A	GROUND FLOOR	4.00	Nos		

Sr No	It no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
7	78	Providing and installing bio digester unit based on DRDO technology made of fibre reinforced plastic (FRP) having composition and following technical specifications and including necessary pipe and accessories up to 3 meter length, excluding the necessary excavation for installing the bio digester. Percentage of fibre glass (glass content in fibre glass should be minimum 30%): - 33.33%Percentage of polyester resin: - 66.67%Water absorption (as per ASTM):- 0.30%Flammability as per ASTM Tensile strength:-115 MPA Specific Gravity at 25 degree centigrade 1.45Izod impact strength:- 65KJ /M2 Heat defection/ distort temperature:-65deg C Corrosion resistance (Non Corrosive) fitted with Inlet pipe size rigid PVC: -100mm Outlet pipe size rigid PVC:-80mm Gas outlet rigid PVC with Valve: 20mm Bacteria immobilization PVC mattes (on all partition) With DRDO TOT licensee and latest batch certificate (month & year of supply) and capacity as below				
8		1)Upto 500 user size (6mx2.0mx1.6m), Capacity of Bio digester:-20000 liters, Area of top, bottom and side walls:-50.72 sq.m, Area of partition walls: 13.36 sq.m, Total weight of FRP:-917.86 Kilogram, Bacteria in oculums quantity:-7000 liters, Minimum thickness of side walls/top and bottom: 9mm, One Number of inside partitions:-4, Minimum thickness of partition wall: 4mm				
	A	GROUND FLOOR	1.00	Nos		

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
		EXTERNAL & INTERNAL ELECTRICAL WORK				
1	8.0	Supply, installation of 150mm dia. Class C, GI pipes for vertical lengths of HT cables for protection (at Tapping point/Cut point on pole near site) supported with the pole Structure as above including required clamp.	5	Rmtr.		
2	6.4	3 Nos. of Fire buckets filled with sand with stand. (At Substation Room, in Elect. Room)	2	Set		
3	6.9	11KV Danger boards of appropriate size & marking.	5	No.		
4	6.10	440V Danger boards of appropriate size & marking.	5	No.		
5	7.1	Load Sanction & co-ordination for incoming HT tapping related work with MSEDCL.	1	Job		
6	7.2	Electrical Inspectors approvals for HT & LT drawings, site visit and charging permission etc.	1	Job		
7	7.3	MSEDCL testing & Charging permission etc.	1	Job		
8		Earthing as above but using Maintenance free earth electrode, GI Pipe-in-Pipe method, 3.0mtr long Ashlok Cat. No. T39 / Alltec / UES make or equivalent with chemical treatment, including 150mm dia. boring of hole upto 6.5 mtrs in all types of strata as required & heavy duty FRP Chamber of 10T bearing capacity cover complete. (MeterKiosk-8+HTBkr-2+T/F-Body-2+T/FNeutral-2+ LTBody-2+DGBody-2*2)+(LTBodyBldg-2+BldgLPS-10)	32	Set		
9	1.4	Earthing as above but using Maintenance free earth electrode, GI Pipe-in-Pipe method, 3.0mtr long Ashlok Cat. No. T39 / Alltec / UES make or equivalent with chemical treatment, including 150mm dia. boring of hole upto 6.5 mtrs in all types of strata as required & heavy duty FRP Chamber of 40T bearing capacity cover complete.(For movement/road area)	UR	Set		

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
10	2.0	Supply, fixing/placing of PVC pipe of 150mm dia.as casing to the earthing pit only for filling portion to retain surrounding soil. Casing shall remain permanent for this filling area.(Quantity is tentative.)	20	Rmt		
11	3.8	25mm x 3 mm thick CU strip in PVC sleeve	60	Rmt		
12	3.10	25 x 3 mm. Gl. strip supported on Porcelain insulator at every 1.5 mtr interval for building Lightning protection.	1105	Rmt		
13	3.13	8 SWG Cu wire in PVC sleeve.(Pit-EB UPS neutral)	UR	Rmt		
14	4.0	Supply and installation of earth busbar box consisting of 50 x 6 mm, 300mm long Cu. Strip with multiple tapping(8mm holes at every 45mm) and nut bolt arrangements etc. mounted on SMC insulators. Box shall be fabricated from M.S. sheet including powder coated, clear acrylic hinged door etc. complete.(LV body in each LV shaft all floors_6*1, @LV.rm_2+UPSRm_1 +Server Rm_1 + Hall_2 + Terrace nr. ACMDB +1_Spare)	15	Set		
15	5.0	Supply and installation of earth busbar consisting of 50 x 6 mm size, 300mm long GI. Strip with multiple tapping(8mm holes at every 45mm) and nut bolt arrangements etc. mounted on SMC insulators etc. complete. (Ltbody in each elec. shaft all floors_6*2, above tray @elec.rm_2 +HVAC unitbody_2+Each LMR_6+1_S/S room+Hall_2+2_Spare)	27	No.		
16	6.0	Supplying & erecting conventional spike type Air termination suitable to carry lightning stroke made up of heavy gauge 40 mm dia copper pipe of standard length with 5 Nos. copper spikes fixed on copper ball as air terminals duly threaded in copper pipe erected on provided foundation complete. (2_each stair+4@corner of elliptical dome)	10	No.		
	1.1	MAIN LT PANEL(At Substation)	1	No.		
	1.2	RTPFC PANEL (275KVAR) As per SLD	1	No.		
	1.3	EMERGENCY PANEL	1	No.		

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	1.4	EmMDB	1	No.		
	1.5	MDB-1 (HVAC) OUTDOOR	1	No.		
	1.6	MDB-2 (RAW POWER)	1	No.		
	1.7	MLDB-1	1	No.		
	1.8	UPS INCOMING DB	1	No.		
	1.9	UPSMDB	1	No.		
	1.10	EXTERNAL LTG.DB	1	No.		
	1.11	ACMDB-HALL	1	No.		
17	2.1	LDB-1A, LDB-1B, LDB-2A, LDB-2B, LDB-3A, LDB-3B, LDB-4A, LDB-4B, RPDB-LG, RPDB-1A, RPDB-1B, RPDB-2B, RPDB-3B, RPDB-4B, ACDB IDU-2 4Way TPN PPI DB (Per Phase Isolation DB) (4 outgoing per phase) Incomer: 25A 3P MCB-1No. as per relevant IS 25A 2P RCCB (30mA)-3No.(1No. Per phase) as per relevant IS Outgoing : 10A-20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 12No.	15	Set		
18	2.2	LDB-3C 6Way TPN PPI DB (Per Phase Isolation DB) (6 outgoing per phase) Incomer:25A 3P MCB-1No. as per relevant IS 25A 2P RCCB (30mA) -3No.(1No. Per phase) as per relevant IS Outgoing: 10A-20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 18No.	1	Set		
19	2.3	RPDB-UG, RPDB-4A 6Way TPN PPI DB (Per Phase Isolation DB) (6 outgoing per phase) Incomer : 40A 3P MCB-1No. as per relevant IS 40A 2P RCCB (30mA) - 3No.(1No. Per phase) as per relevant IS Outgoing :10A-20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 18No.	2	Set		

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
20	2.4	LDB-2C, LDB-2D, RPDB-2A, RPDB-3A, RPDB-2C, RPDB-2D 8Way TPN PPI DB (Per Phase Isolation DB) (8 outgoings per phase) Incomer : 40A 3P MCB-1No. as per relevant IS 40A 2P RCCB (100mA) - 3No.(1No. Per phase) as per relevant IS Outgoing: 10A-20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 24No.	6	Set		
21	2.5	UPSDB-LG, UPSDB-2B, UPSDB-2C 4 Way TPN PPI DB (Per Phase Isolation DB) (4 outgoings per phase) Incomer : 25A TP MCB-1No. as per relevant IS 25A 2P Si RCCB (30mA)- 3No.(1No. Per phase) as per relevant IS Outgoing : 10A to 20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 12No.	3			
22	2.6	UPSDB-1, UPSDB-2A, UPSDB-3, UPSDB-4 6 Way TPN PPI DB (Per Phase Isolation DB) (6 outgoings per phase) Incomer : 40A TP MCB-1No. as per relevant IS 40A 2P Si RCCB (100mA)- 3No.(1No. Per phase) as per relevant IS Outgoing : 10A to 20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 18No.	4			
23	2.7	UPSDB-UG 8 Way TPN PPI DB (Per Phase Isolation DB) (8 outgoings per phase) Incomer: 40A TP MCB-1No. as per relevant IS 40A 2P Si RCCB (100mA)- 3No.(1No. Per phase) as per relevant IS Outgoing : 10A to 20A SP 230V AC 50Hz 10kA MCB C Curve as per SLD & IS 8828 - 24No.	1			

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24	2.8	LDB-LG & UG FL. (FLEXI. DB- 3Row-14Module) FLEXI DB with suitable modules to accommodate followings. Incomer : 40A 4P RCCB 30mA , Sub Incomer-1 : 25A TP Contactor+ Real time Timer, Outgoings : 10-20A SP MCBs-5 no. Sub Incomer-2 : 25A TP Contactor+ Real time Timer, Outgoings : 10-20A SP MCBs-6 no. Direct Outgoings : 10-20A SP MCBs-6 no. complete as per SLD.& with necessary wiring interconnections, blanking plates etc.as required.	2			
25	2.9	EM. LDB-LG & UG FL (FLEXI. DB- 2Row-14Module) FLEXI DB with suitable modules to accommodate followings. Incomer : 25A 2P RCCB 30mA , Sub Incomer-1 : 25A 2P Contactor+ Real time Timer, Outgoings : 10-20A SP MCBs-3 no. Direct Outgoings : 10-20A SP MCBs-3 no. complete as per SLD.& with necessary wiring interconnections, blanking plates etc.as required.	2			
26	2.11	Lift electrical Panel 40/63A, 4P MCB + 40/63A, 4P 300mA RCCB(for lift m/c), 16/25A DP MCB+16/25A DP 30mA RCCB(lift cabin ltg), 16/25A DP MCB+16/25A DP 30mA RCCB(lift shaft ltg.) in one readymade metal enclosure (in Lift Machine room/ as per Lift vendors guidelines).	6	Set		
27	2.12	Set of 9W LED bulkhead fixture(equivalent to Philips make fixture), 6A SP switch for Ltg. and 1No. 6/16A, 3 pin socket + switch on common good quality wooden board in lift pit.(1no.in Lift shaft at each lvl. above Lift, 1no.at intermediate location & 1 no. in Lift pit bottom as per Lift vendors guidelines).	48	Set		

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
28	2.27	Isolator MCB Box Readymade Enclosure with 125A TP 415V AC 50Hz 16kA MCCB - 1No	UR	Set		
29	2.28	Isolator MCB Box Readymade Enclosure with 160A TP 415V AC 50Hz 16kA MCCB - 1No	UR	Set		
30	4.1	Industrial type 32A 3Phase+N+E, Plug & socket with 32A TP MCB in a combined enclosure. For Electrical Room, Kitchen equipment)	4	No.		
31	4.2	Industrial type 16A 3Phase+N+E, Plug & socket with 16A TP MCB in a combined enclosure. (In Electrical Room)	1	No.		
32	4.3	Industrial type 16A 1Phase+N+E, Plug & socket with 16A SP MCB in a combined enclosure. (for EV Charging, Server Mains & Alternate power outlets, Kitchen equipment)	27	No.		
33	1.16	4C X 2.5 Sq.mm. 2XWY FRLS cable.	115	Rmt		
34	1.19	12C X 2.5 Sq.mm. 2XWY FRLS cable.	45	Rmt		
35	1.20	10C X 2.5 Sq.mm. 2XWY FRLS cable.	55	Rmt		
36	1.21	1C x 25 Sq.mm. Cu. FRLS Flexible wire (including required total End Terminations) interconnections	105	Rmt		
37	1.21A	1C x 16 Sq.mm. Cu. FRLS Flexible wire (including required total End Terminations) interconnections	45	Rmt		
38	1.21B	1C x 10 Sq.mm. Cu. FRLS Flexible wire (including required total End Terminations) interconnections	65	Rmt		
	2.1	12C X 2.5 Sq.mm. 2XWY FRLS cable.	4	No.		
	2.2	10C X 2.5 Sq.mm. 2XWY FRLS cable.	4	No.		
	3.1	600 x 50mm ladder tray, 1.5mm Thickness.	50	Rmt		
	3.2	450 x 50mm ladder tray, 1.5mm Thickness.	30	Rmt		
	4.1	450 x 50mm perforated tray (14 SWG).	110	Rmt		
	4.2	300 x 50mm perforated tray (14 SWG).	195	Rmt		
	4.3	200 x 50mm perforated tray (14 SWG).	UR	Rmt		
	4.4	150 x 50mm perforated tray (16 SWG).	85	Rmt		
	4.5	100 x 50mm perforated tray (16 SWG).	305	Rmt		
	4.6	50 x 50mm perforated tray (16 SWG).	180	Rmt		
	5.1	450 x 50mm perforated tray (14 SWG).	25	Rmt		

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	5.2	300 x 50mm perforated tray (14 SWG).	40	Rmt		
	5.3	200 x 50mm perforated tray (14 SWG).	UR	Rmt		
	5.4	150 x 50mm perforated tray (16 SWG).	25	Rmt		
	5.5	100 x 50mm perforated tray (16 SWG).	75	Rmt		
	5.6	50 x 50mm perforated tray (16 SWG).	50	Rmt		
39	6.0	Providing and fixing of Ø 10mm GI Threaded Rods assembly (1 set of 2 nos. rod Approx.1.0m height at every 1.5mtr. interval Center to center) for supporting of 450mm to 600mm width Cable tray. Threaded rods assembly shall include fastener to be fixed at ceiling for holding threaded rod, horizontal GI Strut channel-AMTEK, 41x41x2mm support for resting tray including necessary required nut, bolt, washer etc. & drilling as required etc.	95	Set		
40	7.0	Providing and fixing of Ø 8mm GI Threaded Rods assembly (1 set of 2 nos. rod Approx.1.0m height at every 1.5mtr. interval Center to center) for supporting of 50mm to 300mm width Cable tray. Threaded rods assembly shall include fastener to be fixed at ceiling for holding threaded rod, horizontal GI Strut channel-AMTEK, 41x41x2mm support for resting tray including necessary required nut, bolt, washer etc. & drilling as required etc.	642	Set		
41	8.0	Supply, fabrication, installation of M.S. angle supports for Channels, frames, mounting brackets wherever required etc. including necessary painting with 2 coats of primer and 2 coats of enamel paint and required hardware including anchor fasteners for fixing of supports etc complete.	1500	Kg.		
42	9.0	Supply and installation of LT Cable route markers oval shape cast iron with 350mm long, 20 mm Ø G.I. pipe support grouted in 150 x 150 x 150mm PCC block etc.	35	No.		

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43	1.11	Point wiring as above but for Propeller Fan/VRV IDU points with 6A socket with 2x2.5+1x1.5 Sq.mm. Cu FRLSH wires in FRLS Grade HMS, PVC conduit dia. 25mm size from Distribution Board, including 6A, 3pin socket outlet + 6A SP modular switch complete near VRV unit(Approx. 4 to 6 points looped on a circuit from respective area VRV DB.)	17	Pt.		
44	1.12	Point wiring as above but for Propeller Fan/VRV IDU points with 6/16A socket with 2x2.5+1x1.5 Sq.mm. Cu FRLSH wires in FRLS Grade HMS, PVC conduit dia. 25mm size from Distribution Board, including 6A, 3pin socket outlet + 6A SP modular switch complete near VRV unit(Approx. 4 to 6 points looped on a circuit from respective area VRV DB.)	31	Pt.		
45	1.13	Point wiring as above but for 6/16A Raw/UPS power socket with 2x2.5+1x1.5 Sq.mm. Cu FRLSH wires in FRLS Grade HMS, PVC conduit dia. 25mm size from Distribution Board, including 6/16A, 3pin socket outlet + 16A SP modular switch complete. (Projector, Audio Visual, Kitchen eqpt., HD, Conv. Soc. etc)	146	Pt.		
46	1.14	Point wiring as above but for 20A, AC Point for Split units with 2x4.0+1x2.5 Sq.mm. Cu, FRLSH, wires in FRLS Grade HMS, PVC conduit dia. 25mm size from Distribution Board, including 20A, 3pin industrial socket outlet + 20A SP MCB complete)	3	Pt.		
47	1.15	Point wiring for Emergency Primary staircase Light points MCB controlled, directly from UPSDB/ MCB Box near Staircase i.e wiring to 1st point with necessary, ceiling rose, connector, accessories as above complete.	5	Pt.		
48	1.16	Point wiring for Emergency Secondary staircase Light point MCB Controlled from 1st/primary light point with necessary ceiling rose, accessories as above complete.	103	Pt.		

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49	1.17	Point wiring for Primary light point in LG, UG Floor/ Parking area approx. 5 to 8 points controlled by a SP MCB in DB	28			
50	1.18	Point wiring for Secondary light point from 1st/primary light point in LG, UG Floor/ Parking area approx. 5 to 8 points controlled by a SP MCB in DB	118			
51	2.2	2No. 6A, 5Pin Socket (Universal), 1No. 6A Switch (on UPS)+ 1No. 6A, 3Pin Socket & Switch (on Raw Power) in readymade Pop up Box. (Conference Table socket cluster)	12	Set		
52	2.3	2No. 13A, 5Pin Socket (Universal), 1No. 6A Switch (on UPS)+ 1No. 6A, 3Pin Socket & Switch (on Raw Power) (Workstation socket cluster)	UR	Set		
53	2.5	2No. 13A, 5Pin Socket (Universal), 1No. 6A Switch (on UPS)+ 1No. 6A, 3Pin Socket & Switch (on Raw Power) in readymade Pop-up Box. (Conference Table socket cluster)	UR	Set		
54	3.1	4 Way.	UR	No.		
55	3.2	6 Way.	UR	No.		
56	3.3	8 Way.	UR	No.		
57	4.7	25 mm dia 16 SWG GI Conduit concealed in wall/floor.(Provisional qty for LV wiring/cabling)	UR	Rmt		
58	6.0	5.0 kW Dimmer for individual & Group control of lighting circuits for Main Hall.	1	No.		
59	1.1	Supplying and erecting anodized aluminium corridor / passage light Decorative Batten LED fitting (1 feet) Max. 5W with high transitivity diffuser with system lumens output of Min.450 lumens , min. efficacy of 90 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs. at L70B50, including driver, with end caps on provided PVC Block / wooden board with 3 years warranty.	14	No.		
60	1.8	Supplying and erecting LED square / circular Max. 32 W down lighter having pressure die-cast aluminium housing,	36			

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		polystyrene diffuser having system lumens output of Min. 3200 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty. (Equivalent to Wipro Cat no.LD56-381-060-57-XX- LED Adjustable Down Light/60deg)				
61	1.11	20W Surface type LED decorative Batten fixture equivalent. to Wipro Cat No. LL24-251-XXX-57-XX	140			
62	1.12	40W LED linear industrial batten equivalent to Wipro Cat No. LL24-541-XXX-57-CD	6			
63	1.13	35Watt, LED Industrial Well glass Light with Lighting fixtures equivalent to Wipro Cat. no. LE07-501-XXX-57-XX (at Substation area & Terrace near stair case)	8			
64	1.16	Supply, installation, testing & commissioning of Emergency Exit Sign light (all directions) Self-contained double sided for ceiling suspended mounting with 1W, LED non maintained battery backup min. 3 hour duration with all suitable mounting accessories etc. including wiring connection, supports as required etc. complete. PROLITE or equivalent make. Note : This item & actual qty shall be procured only after confirmation from Architects.	UR			
65	1.17.1	1W LED Down Direction	50			
66	1.17.2	1W LED Left Direction	UR			
67	1.17.3	1W LED Right Direction	UR			
68	1.18	10W LED warm Profile Lights (triac dimmable) Wipro/ Philips/ Bajaj/ Syska/ Corvi/ Leksa (inside Pelmet)	135			

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69	3.0	Supplying and erecting energy saving ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF	187			
70	8.0	Supply, installation testing of 150mm exhaust fans with mounting frame & louvers. Make : Almonard	19			
71	9.1	Wall mounted, PIR based Motion sensor, 3.0 mtr. Radius Range, 180°, 230V 50Hz AC, (capable for lighting +fan load of 500W) Sensor shall be with facility of blinder/cover, retriggering function, variable time setting & bypass switch. Standard time of 10 minutes shall be set unless otherwise mentioned.	17			
72	9.2	Ceiling mounted, PIR based Motion sensor, 3.0 mtr. Radius Range, 360°, 230V 50Hz AC, (capable for lighting +fan load of 500W). Sensor shall be with facility of blinder/cover, retriggering function, variable time setting & bypass switch. Standard time of 10 minutes shall be set unless otherwise mentioned.	10			
73	10.1	100 x 100 x 50 mm. IP 65 for Well Glass on outer wall	8			
74	10.2	150 x 150 x 50 mm. IP65	UR			
75	10.3	100 x 100 x 50 mm.	UR			
76	10.4	150 x 150 x 50 mm.	UR			
77	3.1	1 No. RJ 45 socket outlet with modular box & modular plate.	105			
78	3.2	1 No. RJ 11 sockets with 1M box & modular plate.	UR			
79	4.1	5 Pair Box.	UR			

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
80	1.5	Supply, Installation of 4.0mtr long 63 mm dia class 'B' G.I. pipes with base plate, including excavating of pole pit in all types of strata except hard rock, concreting foundation, coupling & earthing of pipes and with 40mm. dia, 1500 mm long G.I. pipes bend to shape in foundation for cable entry, cable loop box with 15A 4 way connector, 10 A SP MCB, interconnection cabling between connectors in cable loop box and lighting fixture with 3C x 2.5 sq.mm Cu flexible sheathed cable with PVC gland, earthing of pipe with 25mm dia. GI pipe & 8 SWG GI wire earth connection upto earthing stud, painting with 2 coats of primer & bottom with black paint & balance with silver paint. (for mounting Decorative post top lantern fixtures.)	10			
81	2.2	Supplying and erecting integrated LED Post Top 45W IP65 & IK10 class having die cast aluminium housing with UV protected polycarbonate diffuser, having system lumens output of Min.4500 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 30,000 Hrs. at L50B50, including driver complete with 2 Year warranty as per specification No FGODF/FLS2. The fixture to be mounted on gate post with necessary GI pipe support with base plate/bracket & coach screws, hardware etc.	2			
82	2.5	6W, LED Integral with Die-cast aluminium housing bush light/inground light Luminaire (IP 67) with necessary accessories complete equivalent to Wipro Cat.No. LF05-450-055-27-XXLF 05	UR			
83	1.1	1 x 30KVA, 3Phase input, 3Phase output, UPS System (for Comp. work stations, data switch/server, LV security system, Emergency, Ltg. etc. as per SLD.)	1			
84	2.1	15 minutes Battery backup for above	1			

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
		30KVA UPS System				
85	3.1	1 x 30 KVA UPS System	1			
86		Supplying, erecting, testing and commissioning of Microprocessor based Generator Control Unit (Synchronization panel) panel suitable for 2 no. of diesel generating set of 500 kVA capacity Three phase, 415 Volts, 50Hz A.C. with all standard features and safeties etc. as per SLD.	1			

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	VRV / VRF SYSTEM				
	IMPORTED EQUIPMENT				
1	All Variable Outdoor Units as per specifications for				
	Minimum Cooling Capacity as below ;				
	and suitable for operation in				
	Cooling mode.				
	with R 410-A Refrigerant				
	20.8 TR (73.5 KW)	1	No.		
	27 TR (95 KW)	1	No.		
	31.8 TR (112 KW)	1	No.		
	38 TR (134 KW)	1	No.		
	41.2 TR (145 KW)	1	No.		
	47.7 TR (168 KW)	1	No.		
2	Indoor Unit, 4 Way Regular Cassette Units,				
	with Grill, Pumping Kits, Fresh Air Connections,				
	Power Flexible cable with 3 Pintop				
	2.01 TR(7.1 KW) 830 CFM	13	Nos.		
	2.55 TR(9 KW) Vs 865 CFM	2	Nos.		
	3.18 TR(11.2 KW) 1183 CFM	2	Nos.		
3	Indoor Unit, Ductable Units with Drain Pumping Kit,				
	power Flexible cable with 3 Pintop etc.				
	2.55 TR(9 KW) VS 883 CFM	3	Nos.		
	3.18 TR (11.2 KW) VS 1130 CFM	2	Nos.		
	4.54 TR (16 KW) VS 1624 CFM	4	Nos.		
	6.36 TR (22.4 KW) VS 2400 CFM	7	Nos.		
	7.96 TR (28 KW) VS 2825 CFM	2	Nos.		
4	43 mm Floor Mounted Double Skin DX AHU				
	with Inlet EU - 4 Filter, DX Coil, Outlet EU - 8 Filter, Plug Type Blower				
	Motor, Drive Set, VFD, UV Lamps,Mixing Chamber Supply Air Damper				
	Fresh Air Damper,Relief Air and Return Air Damper, Fire Dampers				
I	DX Coil-14 TR, 5000 CFM Vs 115 mm Static				

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	In 28.2 deg.C DB / 18.5 deg.C WB				
	Out 13.8 deg.C DB / 12.9 deg.C WB	1	Nos.		
II	DX Coil-32 TR, 9000 CFM Vs 115 mm Static				
	In 27.8 deg.C DB / 17.5 deg.C WB				
	Out 10.2 deg.C DB / 9.5 deg.C WB	1	Nos.		
5	Expansion Valve Kit as per Specifications with Control Box and Temperature transmitter for				
	Minimum Cooling Capacity as below, and suitable operation in Cooling Mode				
	28.1 kW (8.0 TR)	4	Nos.		
	21 kW (6.0 TR)	1	Nos.		
	14 kW (4.0 TR)	2	Nos.		
6	Wired Controller to integrate EEV with Coil off Air Temperature Transmitter	7	Nos.		
7	Wireless Remote Controller for Cassette Units	17	Nos.		
8	Wired Remote Controller for Ductable unit	18	Nos.		
9	Central Remote Controller for Indoor Units	2	No.		
10	Piping Joints				
	1 each for Suction Line	37	Nos.		
	1 each for Liquid Line	37	Nos.		
	TOTAL :				
	Note : Prices are to be based on NIL duty, all Additions including.				
	Charges for Port Clearance & Delivery to Site to be indicated separately.				
II.	<u>INDEGENOUS EQUIPMENT :-</u>				
	Fresh Air System consisting of :				
	Epoxy Coated Cabinet Type Double Skin				

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Fresh				
	Air Fan with TEFC Weather proof Motors for Outdoor mounting with				
	Sequence Controller				
	having capacity of				
1	5500 CFM Vs 40 mm swg				
	For Fresh air (1W + 1S)	2	Nos.		
2	Exhaust Air Fan - Tube Axial Type				
	Direct Drive with Motor				
	having capacity of :				
	16000 CFM Vs 10 mm swg				
	32000 CFM Vs 40 mm swg				
	suitable for 250 deg. C X 2 Hrs Rating	1	Nos.		
3	G I Fresh Air Ducting with Frames, Flanges, Splitters, Supports etc.				
	0.63 mm Thick	500	SqM		
4	19 mm EPDM / Nitrile Rubber Class "O" Insulated with				
	Interconnecting Flexible Circular Ducting				
	150 mm	50	RMT		
5	10 mm Thick Nitrile Rubber / EPDM Class "O" Insulation				
	For Fresh Air Duct	500	SqM .		
6	Circular Ducting Clamps	100	Nos.		
7	Automatic Duct Flow Controllers				
	580 CMH	1	Nos.		
	350 CMH	8	Nos.		
	250 CMH	6	Nos.		
	150 CMH	7	Nos.		
	100 CMH	10	Nos.		
	90 CMH	3	Nos.		
8	Extruded Aluminum Powder Coated				
	FA Grill with VCD	10	Sq.M.		
9	Supply Air System consisting of :				

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Extruded Aluminum Powder Coated				
	Supply/Return Air 4 Way Diffuser with VCD				
	600 mm X 600 mm	12	Nos.		
	500 mm X 500 mm	22	Nos.		
	400 mm X 400 mm	43	Nos.		
	300 mm X 300 mm	102	Nos.		
10	Extruded Aluminum Powder Coated				
	Supply Air Grill with VCD, 15° deflection	20	SqM		
11	20 mm Thick PreInsulated Ducting with wired Supports				
	for Supply Air and Return Air	1200	SqM		
12	Inter Connecting Flexible Circular Ducting				
	Φ 250	25	RMT		
	Φ 150	25	RMT		
13	Circular ducting Clamps				
	Φ 250	25	RMT		
	Φ 150	25	RMT		
14	Extruded Aluminum Powder Coated				
	Weather Louver for Fresh/Exhaust Air	30	Sq.M.		
15	Copper Piping & Fitting for Gas Refrigerant				
	with 19 mm Nitrile / EPDM Class "O" Insulation				
	with Finish				
	41.3 mm	50	RMT		
	34.9 mm	30	RMT		
	28.6 mm	30	RMT		
	22.2 mm	30	RMT		
	19.1 mm	20	RMT		
	15.9 mm	100	RMT		
	12.6 mm	60	RMT		
16	Copper Piping & Fitting for Liquid Refrigerant				
	with 12 mm Nitrile / EPDM Class "O"				

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Insulation				
	19.1 mm	70	RMT		
	15.9 mm	30	RMT		
	12.7 mm	40	RMT		
	9.5 mm	110	RMT		
	6.4 mm	70	RMT		
17	PVC Drain Piping with 6 mm Nitrile / EPDM Class "O" Insulation				
	50 mm	150	RMT		
	25 mm	100	RMT		
18	Treatment of Exposed Piping with Fevicol AC King Lag Coating				
	AF 5590	1	Lot		
19	Differential Pressure Transmitters integrated with Blower VFD				
	0 - 200 mm	2	No.		
20	Differential Air Pressure switch (for EU-4 Filters)				
	0 - 25 mm	4	Nos.		
21	Differential Pressure Transmitter for EU - 8 Filter				
	0 - 50 mm	2	No.		
22	Room Type Temperature Transmitter				
	0 - 50° C	2	Nos.		
23	DDC / PLC Controllers, DDC / PLC Panels for Air Handling Systems, for Process Monitoring, & switching On / Off of Equipment				
	Configuration as below (including 10% spare I / Os)				
	PLC AI AO DI DO				
	AHU 6 4 10 6	2	Sets		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
24	Armoured Sensors / Signal Cabling	200	RMT		
25	Panel, includes Intelligent Digital Power Meter with				
	transmission, Incoming MCB, Voltmeter, Ammeter,				
	Lamps & Switches, Contactors etc. with Transformer				
	for Supply to Controllers / Control Valves / Sensors, etc.				
	suitable for Local / Remote Operation				
	and Feed Backs with suitable Feeders for				
	2nd Floor HALL Area AHU Fan Motors, UV Lamps, Expansion valve & Spares Feeders	1	No.		
	2nd Floor Public gathering AHU Fan Motors, UV Lamps, Expansion valve & Spares Feeders	1	No.		
26	Power Distribution Panel (IP 65) for				
	with incoming Isolator, and				
	Outgoing MCBs , with Intelligent Power Meter for display of Voltages, Current And Power, with Totalizer, and Voltage Sensor, and P. F. Controller for improvement				
	to 0.95 PF with random selection and Capacitors				
	In 1 / 2 / 4 / 8 Configuration				
	For 1No. Basement exhaust fan & Spares Feeders	1	Nos.		
	For 2No. AHU, 2No.of exhaust fan & Spares Feeders (FF)	1	Nos.		
	For 4No. AHU, 3No.of exhaust fan & Spares Feeders (SF)	1	Nos.		
	For 1 No.of Kitchen exhaust fan & Spares Feeders (TF)	1	Nos.		
	For 7Nos. ODU, 2No.of fan & Spares Feeders (TERRACE)	1	Nos.		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
27	Control and Power Cabling & Earthing				
	between Panel, Equipment, for				
	Outdoors and Indoors Units	1	Lot		
28	Local Erection of Indoor & Outdoor Units				
	Outdoor Units (With Stands)	6	Nos.		
	Indoor Units (With Hangers)	35	Nos.		
29	Commissioning and additional charge of				
	R 410 - A Gas and Compressor Oil. for				
	6 Nos. Outdoor & 35 Nos. Indoor Units	1	Lot		
30	G. I. Angle, G. I. Saddles / Stand / Tray for				
	Piping supports / Cabling Supports	1	Lot		
31	Communication Cabling between				
	Outdoor Units / Indoor Units, in 25 mm				
	FRLS PVC Conduits, UV Stabilized	500	RMT		
32	50 mm TF Quality EPS Underdeck				
	Insulation with G. I. Grid for Roof	1600	SqM		
33	Any other items the Contractor feels				
	necessary for completing the Job.				
	TOTAL :				
	<u>SUMMARY SHEET</u>				
I.	IMPORTED EQUIPMENT				
II.	INDEGENOUS EQUIPMENT				
	GRAND TOTAL :				
	<u>TOILET EXHAUST SYSTEM</u>				
1	Epoxy Coated Cabinet Type Single Skin Toilet				
	Exhaust Air Blower with TEFC Weather proof				
	Motors for Outdoor mounting with				
	Sequence Controller				

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	having capacity of				
	4500 CFM Vs 40 mm swg(1W+1S)	2	Nos.		
2	Wall Mounted Exhaust fan				
	100 CFM vs 10 mm Swg	1	No.		
	75 CFM vs 10 mm Swg	10	Nos.		
3	G. I. Ducting for Exhaust Air with Splitters, Frames, Flanges, Supports etc. 0.63 mm Thick	25	SqM		
4	Circular Exhaust Air Disc Valve in Plastic Construction suitable for Toilet Exhaust with VCD Φ 150	70	Nos.		
5	Inter Connecting Flexible Circular Ducting Φ 150	15	RMT		
6	Circular ducting Clamps Φ 150	30	Nos.		
7	Extruded Aluminium Powder Coated Non Vision Type Door Louver 600 mm X 200 mm 500 mm X 200 mm 200 mm X 100 mm	5 5 41	Nos. Nos. Nos.		
8	Electrical / Control Cabling & Earthing between Panel and HVAC Equipments	1	Lot		
9	Local Erection of Fan Unit Exhaust Air Fans	8	Nos.		
10	G. I. Angle, G. I. Saddles / Stand / Tray for Piping supports / Cabling Supports	1	Lot		
11	Any other items if Contractor feels necessary for completing the Job.				

Sr No	It. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
		Acoustics & Interior work				
1	11	Providing and fixing L Shaped Pelmet made from Gypsum plain panels with required GI and Plywood frame as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour, finishing etc complete	80	Rmt		
2	12	Providing & Fixing in position, WPC/ Processed Rubber wood/ Natural wood Battens as per design detail in front of BOQ Item no. 7 & 9 using 50 x 10 mm wooden strips as spacers at 600 mm c to c, including cost of finishing & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects, as directed by the engineer in charge.	656	Sq m		

Sr. No	Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Auditorium General Lighting				
	Providing & Fixing in position Including all Accessories and Components. Complete in all aspects.				
1	15 w LED lights warm down lighters Wipro/ Philips/ Bajaj/ Syska/ Corvi/ Leksa	102	No		
2	10 w LED lights warm down lighters Wipro/ Philips/ Bajaj/ Syska/ Corvi/ Leksa	108	No		
3	LED Exit lights without battery	15	No		
4	15w LED warm Profile Lights (triac dimmable) Wipro/ Philips/ Bajaj/ Syska/ Corvi/ Leksa (inside Pelmet)	157	Rmt		
5	electrical points using 2.5 sq mm cable & PVC pipe for LED lights along with termination, (8 to 12 lights in 1 cct)	270	No		
6	2.5 sq mm 2cables in Pvc pipe including the pipe	1200	mtr		
7	4 sq mm 2cables in Pvc pipe including the pipe	800	mtr		
8	5 kw dimmer	1	No		
9	Electrical Points 5/15A	253	No		

Sr No	Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Acoustics & Interior work- Seating System				
	following work is to be done at any floor and all heights				
1	Providing & fixing in position, heavy duty fully upholstered Auditorium chairs 520-570 mm c to c tip-up type. Height of back should be less than 1030 mm with plastic protective cover on back and bottom having teak wood handles. Back to back distance is 1000mm. The auditorium chairs should be of following specifications 1. Powder Coated Heavy duty MS Stand. 2. Individually moulded , ergonomically designed seat and back cushions. 3.Moulded Polyurethane Foam cushion. PU foam density 48 – 52 Kilograms/cu.mtr 4. Moulded Polyurethane Foam manufactured in certified ISO 9001 facility to ensure consistency in density for longevity .5.Upholstered in Foam laminated stretch sandwich Fabric for clean finish and soft comfortable feel as per the colour & pattern selected by the client. 6.Seat and Back should have moulded synthetic protective cover. 7. Wooden or PU armrest 65mm x 20mm - 330mm long . 8.Mounted using Anchor fasteners	182.00	No.s		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	AV System Townhall Assembly				
SH-1	CONFERENCE SYSTEM				
1	Supply of 19" rack mountable digital audio central control unit with hot stand by for management and control of conference system, built in recording, integrated web server, facility for operator control, supports dante audio via optional dante card, daisy chain and redundant closed loop cabling, button starts or stops the recording of the floor and up to 3 other languages with an internal recording capacity of 8 GB, over 100 hours of audio (single-stream, 128 kbps MP3 recording) can be recorded. USB port for expandable memory to record longer meetings (volumes up to 500 GB), Integrated dynamics processor with programmable threshold, ratio, attack and release of noise gate, AGC and limiter functions, Supports interpretation with a default of 11 languages + floor (can be extended to 63 + floor through add on licenses), 1 Balanced XLR audio input, 1 Balanced XLR audio output, 2 Unbalanced Cinch audio inputs, 2 Unbalanced Cinch audio outputs, Aux out balanced : Frequency response 20-20,000 Hz, THD @ nominal level 0.1%, Dynamic range > 90 dB, Load impedance > 600 Ω , Maximum output level +24 dBu, Nominal output level +4 dBu, LAN port , USB 2.0 port, 2 x Redundant Dante port, 4 x conference network ports. (1 Working + 1 Std by)	1	Set		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
2	Supply of extension power supply unit for powering contribution units like delegate , chairman and interpreter unit, 19" rack mount 48 VDC/1000W power supply, On/Off rocker switch with built-in indicator, 48 V LED, Protection : Short circuit, Overload Temperature, Over voltage, Forced cooling, Switched Mode Power Supply	1	No.		
3	Supply of 4 port network extender unit for extending the network power ports, supports redundant loop cabling, DIP switch setting for flexible port powering, two upstream ports towards the control unit, Four powered downstream ports towards the network, Network Power Connector : Voltage 48 VDC, Current consumption : Max 8 Amp, Power Dissipation : 7W, Conference network port link speed : 1000 Mbps	6	No.		
4	Supply of Interpreter desk complies with the ISO 20109:2016 standard, Visual feedback of selected relay, outgoing channel, muted incoming and outgoing channels, floor channel, visual representation of interpretation level, Visual indication of sound level, Overlay of messages, current agenda topic, Home button to instantly display the main conference interpreting screen, Push buttons with LED indicator, Tactile and acoustic feedback for visually impaired interpreters, Hearing Protection Technology, Color screen with clear and clutter-free interface, 6 relays and A/B/C channel selection, shielded microphone is immune to mobile phone interference	4	No.		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
5	Supply of Flush mounted Digital Chairman unit for Hon,ble Chairman with GSM immune screwlock gooseneck microphone of 400 mm. Bi-color led ring indication (red / green) , integrated speaker, simultaneous interpretation & electronic voting and RFID, 3.5 mm jack socket to connect headphones or a hearing loop for the hearing impaired, information display for showing the ISO code of the selected language and the volume setting. The voting systems should have 5 voting buttons and an RFID card reader for identification and authentication, ISO 14443 MIFARE Card Reader DESfire EV1 support, ""Press to talk", "Nextin-line" and "Priority" button, Five voting buttons, Screw-lock microphone connector , Headphone volume adjustment, Language channel selector, OLED Channel information display, Display resolution : 128 x 64, Character Height : 5mm, Two RJ 45 connectors for loop through cabling, Microphone Inputs : Dynamic range > 90dB, frequency response : 20 to 20000 Hz, THD @ nominal level : 0.1 %, Speaker Output : Maximum output power > 1W, Size should not be more than (mm) : 275 (w) × 100 (h) × 80 (d) fitted on a metal / steel plate.	2	No.		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
6	Supply of Flush mounted Digital Delegate unit for Hon,ble members with GSM immune screw lock gooseneck microphone of 400 mm. Bi-color led ring indication (red / green) , integrated speaker, simultaneous interpretation & electronic voting and RFID, 3.5 mm jack socket to connect headphones or a hearing loop for the hearing impaired, information display for showing the ISO code of the selected language and the volume setting. The voting systems should have 5 voting buttons and an RFID card reader for identification and authentication, ISO 14443 MIFARE Card Reader DES fire EV1 support, "Press to talk button for microphone on/off, Five voting buttons, Screw-lock microphone connector , Headphone volume adjustment, Language channel selector, OLED Channel information display, Display resolution : 128 x 64, character Height : 5mm, Two RJ 45 connectors for loop through cabling, Microphone Inputs : Dynamic range > 90dB, frequency response : 20 to 20000 Hz, THD @ nominal level : 0.1 %, Speaker Output : Maximum output power > 1W, Size should not be more than (mm) : 275 (w) × 100 (h) × 80 (d) fitted on a metal / steel plate	228	No.		
7	Supply of Headset for Interpreter with back electret omnidirectional microphone, Single 4 pin 3.5 mm jack according to CTIA standard, Headphone : Impedance 32 Ω ±15%, Sensitivity 102 ±3 dB SPL/mW (@ 32 Ω), THD @ nominal level < 1% (@ 1 kHz @ 1 mW), Frequency Range 50-15,000 Hz, Microphone : Frequency Range 50 to 20000 Hz , Sensitivity 8.5 mV/Pa, Signal to Noise Ratio >62 dB(A), Free Field Sensitivity -41.5 ± 3 dBV @ 1 Pa	6	No.		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	1kHz, Electrical Impedance 2200 Ω				
8	Supply of lightweight dynamic Headphone for Hon'ble Members with Adjustable headband, Rotating ear cups with replaceable foam ear pads for comfort and convenience, Single steel core cable for minimal disturbance to the user, 1.5 m connection cable with 3.5 mm stereo jack connector, Transducer principle Dynamic, Nominal input 40 mW, Sensitivity 105 dB/mW (+ 3 dB at 1 kHz), THD @ nominal level < 0.3% (200-2,000 Hz), Frequency range 20-20,000 Hz	228	No.		
9	Supply of channel selector unit for press visitor gallery with 3.5 mm jack socket is available to connect headphones or a hearing loop for the hearing impaired, buttons for channel selector and headphones volume adjustment, information display shows the channel number and ISO code of the selected language and the volume setting, Two RJ 45 connectors for loop through cabling,	10	No.		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
10	Supply of Conference system software License complete with i5 PC, 32" Monitor , 8GB RAM, 1 TB HDD, wireless Keyboard and Mouse to manage the meeting, speakers and request lists, start/stop voting sessions and view the reports and meeting history. The software should have below facility / features Setup Wizard, Devices Setup License Setup Interpretation configuration Audio configuration Diagnostics Multilingual interface Room Layout User Roles Meeting Template Delegate Information Voting Signage Meeting Reports	1	Set		
11	Supply of 3 mtr CAT-5/6 Cable for connectivity of Delegate in daisy chain (loop in loop out)	113	No.		
12	Supply of 5 mtr CAT-5e/6 STP cable for connectivity of Delegate in daisy chain (loop in loop out)	15	No.		
13	Supply of CAT-5e/6 STP cable for connectivity of Delegate in daisy chain (loop in loop out) with main Control unit and ccontribution units.	300	Mtr		
14	Supply of RFID Card for Hon,ble Chairman and Members of the house for identification.	100	Nos.		
15	Supply of RFID badge reader / writer. Required for burning / writing information to the card.	1	Nos.		
16	Supply of 21" LED-backlit LCD monitor Monitor for interpreter booth, 1 x HDMI input, Full HD Resolution 1920 x 1080 at 60 Hz, minimum brightness 200 CD/m2, 16:9 aspect ratio, Anti Glare screen coating, minimum 160 degree by 160 degree viewing angle, minimum RoHS, CECP, EDID compatible for Assembly hall Chamber	4	No.		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	interpretation Booth With other neccessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.				
17	Supply of Audio Distribution with 2 IN x 16 OUT for analog audio , Master input level control knob/ button, output level control knob/ button. With other necessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	2	No.		
18	Supply of 24 Port 1G Layer -3 Managed Poe Network Switch with 2 x 10G SFP port, for network communication, as per OEM design of conferencing unit of Assembly hall and upper house With other neccessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	1.00	No.		
SH-II	SOUND REINFORCEMENT SYSTEM				
1	Supply of Digitally Steerable Self - Powered Column Array Loudspeaker with 12 or more driver of 2.25" - 4", Horizontal Dispersion 120 degree or better, 30 degree Vertical dispersion, 80 Hz to 17KHz or better Frequency Response, + / - 20° Beam steering, 110 dB or more Max. SPL, 12 x 50W per channel rated Power along with onboard Dante, DSP for EQ and Level control including Mounting brackets as per technical specifications etc. as required.	8	Nos		
2	Mounting brackets for FOH	8	Nos		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
3	Supply , installation , testing and commissioning of 1000w Sinlge 18" Subwoofer complete with standard accessories as per the tender specifications	2	Nos		
4	Supply of Wall Mount Speaker with 8"-woofer, 70 - 16,000 Hz or more frequency range, 200 W or more Power handling, Built in transformer, as per technical specifications etc. as required.	16	Nos		
5	Supply of 4000 w 8 Channel Power Amplifier 8 x 500 W, THD+N < 0.04%, Frequency Response: 20 Hz -20 kHz, Signal to Noise Ratio: 100 dB, Channel Separation (Crosstalk) > 85 dB, Input Channels: 4 balanced 4 digital, Input Impedance: 20 kΩ, Connectors: RJ-45, A/D and D/A Converters: 24-bit / 48 kHz, Protection: High temperature, output short, extra high frequency (EHF), complied to: FCC, CE requirements and is UL listed according to UL60065.	2	Nos		
6	SITC of Amplifier with Power: 4 x 100 W, THD+N < 0.04%, Frequency Response: 20 Hz -20 kHz, Signal to Noise Ratio: 100 dB, Channel Separation (Crosstalk) > 85 dB, Input Channels: 4 balanced 4 digital, Input Impedance: 20 kΩ, Connectors: RJ-45, A/D and D/A Converters: 24-bit / 48 kHz, Protection: High temperature, output short, extra high frequency (EHF), excessively low or high AC line voltage, complied to: FCC, CE requirements and is UL listed according to UL60065.	4	Nos		
7	Supply of 16 Ch Mixing Console complete with standard accessories as per the tender specifications.	1	Nos		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
8	Supply of Modular / Fixed Chassis based Digital signal processor with 12 input x 8 output , AES67/Dante/as per OEM Support. Wlth other neccessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	1	Nos		
SH-III	LED VIDEO WALL, VIDEO SWITCHING & AUTOMATIC CAMERA CONTROL				
1	Supply of LED Indoor Video wall (True Colour) with upto 2.5 mm Pixel pitch, size of 4071 x 2544 mm., Max Calibrated Brightness: 600 Nits, Pixel Configuration: 3 in 1 LED, Pixel density: 160,000 pixels/m2, Contrast Ratio: 5000:1, Brightness Uniformity >97%, LED lifespan: 100,000 hrs, 16-bit processing or more, Runtime: 24/7, Viewing angle 160° both horizontal and vertical, Refresh rate ≥3840Hz, Tile weight not more than 8kgs, IP 30 rating Should have Datapath redundancy and inbuilt cabling 100% front serviceable, Power consumption 326 W/m ² (max.) Should be supplied wall processor from same make with minimum 6x HDMI 2.0 Inputs, 4x HDMI 2.0 Outputs, supporting Input and output resolutions up to 4K@60Hz, Should be able to PIP of minimum 2x 4K sources with live background, should also have capabilty to provide separate output for operator view, Connectivity: 1x RJ-45. Should be supplied with minimum 6% spares at site, and OEM should ensure additional minimum 5% batch compatible LED module. Should be supplied with mounts and interconnecting cables and other installation accessories as required	2	Nos		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
2	Supply of Video over IP Encoder/ decoder Compression: 8:1, Latency: 1.5 Frames (25ms), Scaling: 1080p to 4K, 4K to 1080p, HDMI Inputs: 2 (HDMI 2.0, HDCP2.2), HDMI Outputs: 1 (HDMI 2.0, HDCP2.2), Audio Analog Stereo Line In/Out (3.5mm TRS), LAN: RJ-45 10/100/1000M PoE (PSE), Video Bandwidth: Up to 4K2K 4:2:0 @60Hz, Audio Support Up to 32 channels & Break-away Capable, RS-232 Up to 115k Baud (3.5mm TRS), IR Bi-Directional (3.5mm TRS), USB Connector: USB 2.0 Type A, USB 2.0 Type B, Interface IR or Keypad via OSD, Webserver.	12	Nos		
3	Supply of table mount modular cable manager with multi connection solution, enclosure with 1 x power socket, 1 x LAN , 1x HDMI, 1x VGA with Audio cables, 1 x USB socket for charging, along with cables and connectors and blank space for making connections and interconnections with various equipments etc. complete as required.	1	Nos		
4	Supply of 4K/30p Supportable PTZ camera with 20x optical zoom, Video output on HDMI and LAN through streaming . With other neccessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	5	Nos		
5	Supply of Remote Joystick Controller for IP based control of PTZ Cameras with minimum 100 presets, PC Software should be included for configuration. The controller should be able to control all the important settings of the cameras including Pan, Tilt, Zoom, PTZ speed, Focus, Iris, Brightness, White Balance and R/B color correction, etc. With other neccessary accessories to make	1	Nos		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	system complete as per specification/drawings and as directed by Engineer In Charge.				
SH-IV	CONTROL DEVIICE				
1	Supply of Control processor with 10" AV control touch panel, 1280 x 800 Capacitive Touch Screen, Processor Quad-Core, Memory 1GB, Storage: 8GB, Ports 1x RS-232, 1x RS-485, 4x Digital IO, 1x USB Type-A Other Microphone, Ambient Light Sensor, Stereo Speakers, Room Status Light, Operating System: Android 7.1.	1	Nos		
2	Supply of 24 Port 1G Layer -3 Managed Poe Network Switch with 2 x 10G SFP port, Campus switching. With other neccessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	1	Nos		
SH-V	CABLE & ACCESSORIES				
1	Supply of the CAT6A cable. The proposed Cat 6A (SF/UTP) solution should be tested up to 550 MHz and provides transmission performance meeting Category 6A specifications EN 50288, IEC 61156-5 and "Cat. 6 augmented" in compliance with TIA/EIA 568. The complete cabling system will be in compliance with ISO/IEC 11801 Edition 2.2 and EN 50173. Outstanding performance for the transmission of digital data signals for future coming applications up to 10GbE in compliance with the current Class EA (ISO/IEC 11801) and IEEE 802.3an standard. The difference in propagation delay between the individual pairs should be very low. With other necessary accessories to make system complete as per	800	Mtr		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	specification/drawings and as directed by Engineer In Charge.				
2	Supply of 22 AWG 2 core ATC Copper Conductor, PVC Insulated, 90% ATC Copper Braid Shielded, PVC Sheathed Microphone/ Audio Cable complete etc as required. With other necessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	500	Mtr		
3	Supply of Two core copper conductor 1.5 sq mm, speaker cable, multistrand. With other necessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	800	Mtr		
4	Supply of HDMI cable with High speed of 18Gbps or better, length from 0.9m to 15m, 24K Gold plated Connectors, resolution supported 4K@60Hz (4:4:4).To be used in all committee rooms, SG Conference rooms and cabins, Hon'r Speakers Conference rooms and cabin, Dy Chairman Conference Rooms and Cabins, other Meeting rooms, LS & RS Chambers and Control rooms and interpretation rooms, and any other location considered in AV services. With other necessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	1	Lot		

S. No.	Item Description	Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
5	Supply of Av Rack, 42 U, casters wheels, cable managers, Power supply unit, lockable door included . With other necessary accessories to make system complete as per specification/drawings and as directed by Engineer In Charge.	2	set		
OPTIONAL Channel Selector for Visitor Gallery					
1	Supply of lightweight dynamic Headphone for Hon'ble Members with Adjustable headband, Rotating ear cups with replaceable foam ear pads for comfort and convenience, Single steel core cable for minimal disturbance to the user, 1.5 m connection cable with 3.5 mm stereo jack connector, Transducer principle Dynamic, Nominal input 40 mW, Sensitivity 105 dB/mW(+ 3 dB at 1 kHz), THD @ nominal level < 0.3% (200-2,000 Hz), Frequency range 20-20,000 Hz	R/O	No.		
2	Supply of channel selector unit for press visitor gallery with 3.5 mm jack socket is available to connect headphones or a hearing loop for the hearing impaired, buttons for channel selector and headphones volume adjustment, information display shows the channel number and ISO code of the selected language and the volume setting, Two RJ 45 connectors for loop through cabling,	R/O	No.		

Sr. no.	Item No	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Civil works					
1	68	Providing Wire cut brick masonry in cement mortar 1:4 in superstructure, at all positions, including striking joints, racking out joints, watering, scaffolding etc. complete. (230X110X 75) As directed by engineer in charge	1760	SQM		
2	93	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 1200 mm x 1800 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, providing spacers between tile joints, filling joints with appropriate colour grout, curing and clearing etc. complete.. a) Flooring	2784	Square Metre		
3	103	Providing and laying vitrified Matt finish tiles decorative type having size 1200 mm x 1800 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, providing spacers between tile joints, filling joints with appropriate colour grout, curing and clearing etc. complete. a) Flooring	3835	Square Metre		

Sr. no.	Item No	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
4	109	Providing and laying vitrified Matt finish tiles decorative type having size 1200 mm x 1800 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, providing spacers between tile joints, filling joints with appropriate colour grout, curing and clearing etc. complete. b) Skirting	2713	Square Metre		
5	209	Supplying and Installation of Hilti make Anchor Rod of Grade M36x500, thread rod AM33x1000 8.8zinc, along with grouting of Hilti Chemicals injectable mortar HIT-RE 500v3/500/1, at all leads and Lifts, and locations as shown in the drawing, the specifications of bolt should be as per the manufacturer etc complete	12424	NOS		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
	Specification Factory made Furniture				
1	933 3S Living Sofa Set - 3 Seater Frame: Wooden Fabric: Leatherette Legs: Wooden	8	No		
2	Elegance Metal Legs Centre Table Table Top: 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges(Straight/Reverse waterfall edge) Support: End Legs : Powder coated MS	5	No		
3	Enrich Table: 4200L X 750D X 750H mm Specifications Table Top: 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges(Straight/Reverse waterfall edge) Support: End Legs : Powder coated Al die casted Enrich legs Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: 450mm Aluminium Flip Up	2	No		
4	Enrich Table: 1800L X 750D X 750H mm Specifications Table Top: 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges(Straight/Reverse waterfall edge) Support: End Legs : Powder coated Al die casted Enrich legs Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: 450mm Aluminium Flip Up	4	No		
5	Anatom Medium Back Mesh Chair * With Headrest* AC 60 Mesh* Multiblock Mechanism* Adjustable Lumbar Support* One Way Adjustable Arms (Height)* Nylon Base * Fabric Upholstered Cushion Seat	12	No		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
6	KD-099 - METAL CUPBOARD - SZ: 2015 X 900 X 450MM Swing Door with Four Shelves 4 Levels of Box Files & 1 Locker European Design Lock with Handle for Easy Operation Lock Easy Adjustable Shelves at 20mm Pitch	68	No		
7	Astro Medium Back Mesh Visitor Chair * AC 60 Mesh * Adjustable Lumbar Support * Fixed Arms * Powder Coated Sledge Base * Fabric Upholstered Cushion Seat	24	No		
8	Genius Stackable Chair *Powder coated Legs *Can be ganged for straight line. Colour : Black & White	155	No		
9	15Nos Chairs fit in a Trolley.	11	No		
10	Enrich Table: 3600L X 750D X 750H mm Specifications Table Top: 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges(Straight/Reverse waterfall edge) Support: End Legs : Powder coated Al die casted Enrich legs Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: 450mm Aluminium Flip Up	1	No		
11	FP Invention High Back Chair *Multiblock Mechanism *Two Way Adjustable Arms (Height & Swivel)*Chrome Base *Leather Seat & Back (Body touch)	6	No		
12	FP Invention Visitors Chair *Chrome plated Sledge Base * Fixed Arms *Leatherette Seat & Back	77	No		
13	Burney Three Seater * Cushioned Tandem (Fabric) * Fixed Arms Size : L 1980 x D 690 x H 825 mm	26	No		
14	Genesis S Series Sofa, Fabric upholstery, MS Powder coated Legs/ Wooden Legs	1	No		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
15	936 Leatherette / Fabric/ Wooden Frame & wooden Legs	10	No		
16	MEETING TABLE: 4500L X 1200D Table Top: 25mm thick pre laminated particle board with 2mm PVC edge lipping. Support: End Legs: 50mm thick pre laminated particle board with 2mm PVC edge lipping & 3 equal drawer pedestal. Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: * Continuous PVC Cable Tray with provision to mount switches and sockets as per client requirement. * Vertical wire entry cover for wire uptake from floor to cable tray and Slide connect for switch access	1	No		
17	High Back Chair• Seat & Back Leatherette• Multiblock with Knee tilt Mechanism• Aluminum Fixed Arms• Aluminum Base with 60mm castors.Colour : Black, Grey & Tan	28	No		
18	E007 Leatherette / Fabric/ Wooden Frame & metal Legs 3 Seater	12	No		
19	Tranquil Metal Legs Centre Table Table Top: 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges(Straight/Reverse waterfall edge) Support: End Legs : Powder coated MS	15	No		
20	Springwood Chair HB * Fixed Arms * Leatherette Seat & Back * Metal Base * Multi Locking	6	No		
21	Round Café Table: Dia 1000 mm SS Base/ MS Powder Coated Base Table Top: Boilo Top	35	No		
22	GUSTO White Colour GUSTO chair 4 Legs *Cafeteria Stackable Chair * Polypropylene Seat & Back * wooden Powder coated Legs	140	No		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
23	Click Medium back auditorium chair * Tip up seat * Fixed Arms * Fabric Upholstered Cushion Seat	200	No		
24	W - SERIES SOFAS 1800L X 665D X 775HTWITH WOODEN LEGS THREE SEATER SOFA WITH ARMS	49	No		
25	SQUARE CENTERE TABLE SIZE:600L x 450D x 450H	17	No		
26	Mic Room Specifications:900 X 450 X 750 Table Top: 18mm Thk pre laminated particle board Back: 9mm Thk pre laminated particle board with 2mm PVC edge lipping Shutters: 18mm Thk pre laminated particle board Edge: All exposed area with 2mm thick PVC edge lipping Handle: Finger groove handle Lock: Regular lock	1	No		
27	Specifications: 1200 X 600mm Pedestal: 2D + 1 F Table Top: 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges Support: End Legs: MS powder coated legs (50X50) Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht Wire Management: Flip up with cable dump	1	No		
28	CONFERENCE TABLE: Oval Shape Specifications: Table Top: 40mm thick pre laminated particle board with matching PVC edge lipping Support: 25mm thick pe laminated particle board with matching PVC edge lipping Modesty Panel: 1200 x 450HT- 18mm thick pre laminated particle board modesty panel of 450mm Ht. Wire Management: 450mm aluminium flip up,	1	No		
29	Yoma High Back Chair* Fixed Arms * Leatherette Seat & Back * Metal Base* Multi Locking	16	No		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
30	High Back - BROWN LEATHER * Height adjustable Manager Chair * Breathable Top grain leather upholstery * Thick Double Layer board Design, Strong Supports * Solid Wood armrest with leather upholstery * Down feather surface + High Density Foam, More comfortable than traditional chairs * Title Mechanism with 4 position lock * Solid wood base, * 60 Distance TUV4 gas lift *60 mm PU castors past BIFMA Testing	5	No		
31	EBJ-01D24 Executive Desk Right Hand - 2400wx1900dx760h Table Top: 25mm thick pre laminated particle board with 2mm PVC edge lipping. Support: End Legs: 50mm thick pre laminated particle board with 2mm PVC edge lipping & 3 equal drawer pedestal. Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: * Continuous PVC Cable Tray with provision to mount switches and sockets as per client requirement. * Vertical wire entry cover for wire uptake from floor to cable tray and Slide connect for switch access	5	No		
32	Tycoon Visitor Leatherette Chair *Chrome plated Sledge Base * Fixed Arms *Leatherette Seat & Back	59	No		

Sr. no.	Description	Est Qty	Unit	Rate without GST (Rs.)	Amount (Rs.)
33	FF-D0120L Executive Desk Left Hand - 2000w x 1800d x760h Table Top: 25mm thick pre laminated particle board with 2mm PVC edge lipping.Support:End Legs: 50mm thick pre laminated particle board with 2mm PVC edge lipping & 3 equal drawer pedestal.Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht.Wire Management:* Continuous PVC Cable Tray with provision to mount switches and sockets as per client requirement.* Vertical wire entry cover for wire uptake from floor to cable tray and Slide connect for switch access	5	No		
34	High back * Global Unique Design Of synchronized functions with One body chair * Headrest with Ears Embrace, More support and Protect for Head * Upholstery: :Breathable Top grain leather upholstery * High density Transformation Project foam * synchronized mechanism with 4 positions locked * 350mm aluminum base past BIFMA Testing * Solid aluminum armrest connected to Mechanism * Adjustable Waist support with magnet *.60 cm Distance Class TUV4 gas lift * 65 mm PU castors past BIFMA Testing	5	No		
35	Cabin Table: Main Table: 1800L X 750D X 750H Side Return: 900L X 450D X 750H Table Top: 25mm thick pre laminated particle board with 2mm PVC edge lipping. Support: End Legs: 50mm thick pre laminated particle board with 2mm PVC edge lipping & 3 equal drawer pedestal. Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: * Continuous PVC Cable Tray with provision to mount switches and sockets as per client requirement. * Vertical wire entry cover for wire uptake from floor to cable tray and Slide connect for switch access	1	No		

