

SCHEDULE-B						
ELECTRICAL DIVISION						
S/N	Description	Qty	Rate		Unit	Amount
			In Fig.	In Word		In Fig.
1	Point wiring for Light / Bell with 21.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories	1700			point	
2	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories	65			point	
3	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories make pipe vray wire wincab acce vinay	310			point	
4	Point wiring for Plug point with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type 16 switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 16A Plug with 2 x 4.00 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories	140			No.	
5	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge					
a	16 Amp. SP one way switch	10			No.	
b	25/32 Amp. DP one way switch for AC	45			No.	
c	6/16Amp. Universal socket	55			No.	
d	Blank Plate Single	160			No.	
e	Two Pin/RJ-11 Telephone Socket	50			No.	
f	TV Co-axial Socket outlet	30			No.	
g	Modem Jack for Computer Open RJ-45	100			No.	
6	Supplying & erecting approved make 2 pair 0.5 mm telephone cable of following size in including pvc mms pipe as per direction	3800			MTR	
7	Supplying & erecting approved make LAN cable cat -6 of following size in including pvc mms pipe as per direction	14650			MTR	

8	Supplying & erecting approved make 6CORE OFC FIBER NETWORK CABLE of following size in including pvc mms pipe as per direction	1260			MTR	
9	Providing & fixing following concealed wiring for single phase sub-circuit from the main switch / meter/ DBs / MCBs to the switch board with copper conductor of following sizes to be used as phase & neutral and bare copper wire as earthing as per					
(a)	With 2 x 2.5 Sq.mm. copper conductor	9200			Meter	
(b)	With 2 x 4.0 Sq.mm. copper conductor	4300			Meter	
(c)	With 2 x 6.0 Sq.mm. copper conductor	2250			Meter	
(d)	With 4 x 6.0 Sq.mm. copper conductor	1050			Meter	
10	Supply at site 4 Core, LT armoured aluminium conductor XLPE cable of 1.1kV grade of following type & size as per					
(a)	4 Core X 240 Sq.mm	400			Meter	
(b)	4 Core X 120 Sq.mm	50			Meter	
(c)	4 Core X 25 Sq.mm	100			Meter	
(d)	4 Core X 16 Sq.mm	600			Meter	
(e)	4 Core X 4 Sq.mm	140			Meter	
11	Laying, Testing & Commissioning of HT & LT XLPE cables of various sizes through following and as per					
(a)	Laying of Cable through RCC Cable Trench	70			Meter	
(b)	Laying of Cable the cable was dug in a trench 0.6 mtr deep , covered with river sand and bricks , and then buried	550			Meter	
(c)	Laying of cable in G.I. Perforated Cable tray	110			Meter	
(d)	Laying of cable on wall Gi sandling klamp fitting & dresing	60			Meter	
(e)	Laying of Cable through horizontal boring (16") in RCC Road /Rail/Jetty/RCC surface by providing HDPE pipe of suitable size as per	20			Meter	
12	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used)					
(a)	10 way double door single phash db box	20			No.	
(b)	6 way double door three phash db box	13			No.	
13	Supply & Fixing of following type of MCCB, RCCB & MCBs as per					
(a)	6-32 A SP MCB with 10kA Breaking Capacity in 'C' Series					
(i)	Supply	300			No.	
(ii)	Fixing	300			No.	
(b)	40 A 2-Pole MCB with 10kA Breaking Capacity in 'C' Series					
(i)	Supply	65			No.	
(ii)	Fixing	65			No.	
(c)	40 Amp 2-Pole, RCCB					
(i)	Supply	22			No.	
(ii)	Fixing	22			No.	
(d)	40 A 4-Pole MCB with 10kA Breaking Capacity in 'C' Series					
(i)	Supply	15			No.	
(ii)	Fixing	15			No.	
(e)	40 Amp 4-Pole, RCCB					
(i)	Supply	15			No.	
(ii)	Fixing	15			No.	

14	Supply & fixing Perforated GI Cable Tray Of Size 300 x 50 x 2MM Thick in Passages, Including Cost Of Coupler Strip For Jointing the Part Of Cable Tray , GI Perforated C Type Channel Of size 35 x 15 x 2 mm for holding the cable tray which is to be provided @ 600mm centar to centar including cost of 8 mm Dia Gi Holding rod of full threaded of 0.4 Mtr long to be provided @ 600 mm centar to centar which are to be fixed with 8 mm Dia bullet fastner in Rcc Slab Complete with all labour & materials as Directed By Engineer in charge	600			Meter	
15	Supply & Fixing of LED Tube Light Fixture with extruded polycarbonate of following wattage and size with complete accessories as per					
(a)	20 Watt, 1.15 Mtr. Long					
(i)	Supply	20			No.	
(ii)	Fixing	20			No.	
(b)	10 Watt, 0.6 Mtr. Long					
(i)	Supply	30			No.	
(ii)	Fixing	30			No.	
16	Supply & Fixing of 3 watt LED indor typ foot light with complete accessories as per selection of architect.					
(a)	foot light					
(i)	Supply	85			No.	
(ii)	Fixing	85			No.	
17	Supply & Fixing of decorativ corner hangig light fixing with complete accessories as per selection of architect.					
(a)	corner hanging light					
(i)	Supply	5			No.	
(ii)	Fixing	5			No.	
18	Supply & Fixing of decorativ hangig light fixing with complete accessories as per selection of architect.					
(a)	hanging light					
(i)	Supply	55			No.	
(ii)	Fixing	55			No.	
19	Supply & Fixing of decorativ bed side table lamp with complete accessories as per selection of architect.					
(a)	side table lamp					
(i)	Supply	18			No.	
(ii)	Fixing	18			No.	
20	Supply & Fixing of 17 mm profile light complet strip led driver with complete all accessories as per selection of architect.					
(a)	17 mm profile light					
(i)	Supply	600			Meter	
(ii)	Fixing	600			Meter	
21	Supply & Fixing of Led strip light ( Rop light ) with led driver & complete accessories as per selection of architect.					
(a)	rop light					
(i)	Supply	1300			Meter	
(ii)	Fixing	1300			Meter	
22	Supply & Fixing of 1200mm sweep BLDC decorative cealing fan with all accessories as per selection of architect.					
(i)	Supply	65			No.	
(ii)	Fixing	65			No.	
23	Supply of 35 Watt LED post top Lantern Light complete with 4 meter GI pole and accessories as per Technical Specification as per selection of architect.					

(i)	Supply	30			No.	
(ii)	Fixing	30			No.	
24	Supply & Fixing of 18/20 WATT LED metal body deep down light fixture of following wattage and as per selection of architect.					
(i)	Supply	240			No.	
(ii)	Fixing	240			No.	
25	Supply & Fixing of 18/20 WATT LED COB light fixture of following wattage and as per selection of architect.					
(i)	Supply	320			No.	
(ii)	Fixing	320			No.	
26	Supply & Fixing of pvc louvers 150 mm Exhaust Fan as per selection of architect.	35			No.	
27	Supply & Fixing of 300 mm heavy duty Exhaust Fan as per selection of architect.	8			No.	
28	Supply & Fixing of Electric room air freshner with complete accessories as per selection of architect.					
(a)	air freshner					
(i)	Supply	12			No.	
(ii)	Fixing	12			No.	
29	Supply & Fixing of Electric hair dryer with complete accessories as per selection of architect.					
(a)	hair dryer					
(i)	Supply	11			No.	
(ii)	Fixing	11			No.	
30	Supply & Fixing of Electric dry iron with complete accessories as per selection of architect.					
(a)	dry iron					
(i)	Supply	15			No.	
(ii)	Fixing	15			No.	
31	Supply & Fixing of 42 inch smart 5 star rated led tv with complete accessories as per selection of architect.					
(a)	dry iron					
(i)	Supply	27			No.	
(ii)	Fixing	27			No.	
32	Supply & Fixing of 55 inch smart 5 star rated led tv with complete accessories as per selection of architect.					
(a)	dry iron					
(i)	Supply	7			No.	
(ii)	Fixing	7			No.	
33	Supplying & installation, testing of Low height storage unit consist of LG make 90 litre smart refrigerator 5 star rating as per selection of architect.					
(a)	90 litre refrigerator					
(i)	Supply	22			No.	
(ii)	Fixing	22			No.	
34	Supplying & installation, testing double door typ smart 256 litre refrigerator 5 star rating as per selection of architect.					
(a)	256 litre refrigerator					
(i)	Supply	2			No.	
(ii)	Fixing	2			No.	
35	Supplying & installation, testing double door typ deep freezer 240 litre refrigerator 5 star rating as per selection of architect.					
(a)	240 ltr deep freezer					
(i)	Supply	1			No.	
(ii)	Fixing	1			No.	

36	Supplying & installation, testing of water cooler of required capacity for drinking purpose. 150 liter capacity					
(a)	150 ltr cooler					
(i)	Supply	4			No.	
(ii)	Fixing	4			No.	
37	Supplying & installation, testing & commissioning of 250 liter/hour capacity of R.O Plant.					
(a)	250 ltr R.O Plant.					
(i)	Supply	2			No.	
(ii)	Fixing	2			No.	
38	Supplying & installation, testing of 3 hp capacity of flow 20 mt. head centrifugal pumps					
(a)	3 hp motor pump					
(i)	Supply	2			No.	
(ii)	Fixing	2			No.	
39	Supplying & installation, testing of 3 hp motor dual stater panel with digital typ amp & volt meter					
(a)	3 hp motor stater					
(i)	Supply	2			No.	
(ii)	Fixing	2			No.	
40	Supply & Installation of Chemical treated 3 mtr long 50 mm dia coper pipe in strip earthing	4			No.	
41	Supply & Installation of Chemical treated 3 mtr long 50 mm dia Gi pipe in strip earthing	12			No.	
42	Supply, Laying, connecting of Copper & GI Strips & wire Connecting earth station to the equipment as per					
(a)	50x6mm thick Copper					
(i)	Supply	40			Meter	
(ii)	Laying, connecting	40			Meter	
(b)	50x6mm thick GI					
(i)	Supply	100			Meter	
(ii)	Laying, connecting	100			Meter	
(c)	25x3mm thick GI					
(i)	Supply	150			Meter	
(ii)	Laying, connecting	150			Meter	
(d)	8 SWG GI earthing wire.					
(i)	Supply	890			Meter	
(ii)	Laying, connecting	890			Meter	
43	Providing and erecting Inverter based approved make split air-conditioning unit consisting of condensing unit with variable speed fan motor, inverter type hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories (Cost includes M.S. Satnd, Gas Charging & Remote Control) (B) for 2 ton capacity 5 star rating	36			No.	
(a)	2 ton split ac					
(i)	Supply	36			Meter	
(ii)	fixing	36			Meter	
44	Providing and erecting Inverter based approved make Cassette type split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed scroll/rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by Eco friendly Green gas charging & Internal copper wiring & Remote control ( 3 star and above of current year) with necessary core cutting.(b) for 2 ton capacity					
(a)	2 ton cassette ac					

(I)	Supply	8			Meter	
(II)	fixing	8			Meter	
45	Supplying and erecting insulated pair of soft copper tubing including power and control cable,necessary PVC drain pipes for Split AC machine up to 4 TR capacity	700			RMT	
46	Supplying, installing, testing & commissioning of outdoor typ feedar pillar incoming 400 a 50 ka 4 pole mccb ryb indicating lamp digital typ amp & volt meter 400 amp coper busbar for incoming & outgoing cable connection	1			No.	
47	Supplying, installing, testing & commissioning of outdoor typ feedar pillar incoming 400 a 50 ka 4 pole mccb ryb indicating lamp digital typ amp & volt meter 400 amp coper busbar & out going 250 a 35 ka 4 pole mccb 5 nos	1			No.	
48	Supplying, installing, testing & commissioning of outdoor typ feedar pillar incoming 250 A 35 ka 4 pole mccb ryb indicating lamp digital typ amp & volt meter 400 amp coper busbar & out going 100 a 25 ka 4 pole mccb 4 nos. 40 a 4 pole mcb 8 nos & 40 a 2 pole mcb 8 nos	4			No.	
49	Supplying, installing, testing & commissioning of outdoor typ feedar pillar incoming 100 a 25 ka 4 pole mccb ryb indicating lamp digital typ amp & volt meter 400 amp coper busbar & outgoing 40 amp 4 pole mcb 2 nos for oprate digital timer switch & contactor for street light	1			No.	
50	Supplying, installing, testing & commissioning of SOLAR WATER heating system as per prevailing IS code comprising of Solar flat locket collector, stainless steel hot water storage isolated tank with S.S. heat exchanger, absorber made of copper sheet & copper tube of following capacity in liter / day (LPD) with "B" size aluminium box collector with appropriate capacity electrical backup arrangement (Excluding inlet & outlet pipe lines) (E) Capacity of 1000 LPD	1			No.	
51	Supplying and erecting approved make online Un-interruptible Power Supply system with IGBT Based rectifier and Inverter & sealed maintenance free batteries. Three phase Input and Three Phase output with Inbuilt Isolation transformer with 0.9 load power factor with battery, over under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following capacity & with Following size of batteries for 30 Min Backup (Minimum 28800 VAh) 30 KVA UPS with 75 AH, 30 Nos. Battery	1			No.	
52	5 MP AcuSense Strobe Light and Audible Warning Fixed Turret Network Camera High quality imaging with 5 MP resolution Excellent low-light performance with powered-by-DarkFighter technology Clear imaging against strong back light due to 120 dB true WDR technology Efficient H.265+ compression technology Focus on human and vehicle targets classification based on deep learning Active strobe light and audio alarm to warn intruders off Provides real-time security via built-in two-way audio Water and dust resistant (IP67)	32			NOS	
53	32-ch 1.5U K Series AcuSense 4K NVR Up to 32-ch IP camera inputs H.265+/H.265/H.264+/H.264 video formats Up to 2-ch@12 MP or 3-ch@8 MP or 6-ch@4 MP or 12-ch@1080p decoding capacity Up to 256 Mbps incoming bandwidth Adopt Hikvision Acusense technology to minimize manual effort and security costs	1			NOS	
54	DIGISOL/Cisco/Grandstream 24 Port Layer 2 Web managed Gigabit Ethernet PoE+ Switch with 2 Giga Combo Ports + 2 Gigabit SFP Ports For PoE power consumption < 400W Operating Temperature: 0 to 50°C dgs-1250-28xmp	3			NOS	
55	8TB Servalince Hardisk WD	4			NOS	

56	D Link/Alpine valrack 24U Rack Color : White & Grey Casters Set : 4 Adjustable Levellers : 4 Mounting Hardware : (Pack of 20) Item Weight:54 Kg 230 Volts AC Cable Manager : 1U Loop Product Dimensions:60 x 60 x 139 cm Item Model Number : MFN STD 060 27 Horizontal Power Distribution Unit with 6 x 5/15A sockets Round Pin	1			NOS	
57	Cisco/Grandstream/DIGISOL Layer 2 Aggregation Managed Switches2/4 Gigabit Ethernet ports, 6/24 Gigabit SFP ports, and 4/12 10Gigabit SFP+ ports ARP Inspection, IP Source Guard, DoS protection, port security & DHCP snooping Built- in QoS allows for prioritization of network traffic Gigabit SFP Ports 6+2Total non-blocking throughput 48Gbps Switching Capability 96Gbps Forwarding Rate 71.424Mpps Network Latency <4µs	1			NOS	
58	Cisco/D-Link DEM-310GT 1000BASE-LX Mini-GBIC Gigabit Ethernet Module	6			NOS	
59	D Link Fiber patch code Yellow for single mode, orange for multi-mode & aqua for OM3 1m, 2m and 3m. Other lengths on request.0.9mm/2.0mm/3.0mm Simplex & Duplex,NCB-FS09S- STST-1 NCB-FS09S-STSC-1	8			NOS	
60	D-Link/Aeconnect FiberOpticComponentsLIU-FIXED1U 6 Port 410x310x42mm (DxWxH)Can include adapter panels for maximum 48LC, 48SC, 36ST or 36FC terminations Capable of storing up to 3 meters of 900um tight buffered fiber per adapter • Removable front and top covers for better access to interior of LIU	1			NOS	
61	D-Link Cat-6 Patch Panel Fully Lodded Category 6 patch panels are six port RJ45 modules applied and suitable for 22- 26 AWG stranded and solid wire, compatible with both 110 & Krone punch down tools. D-Link patch panels have improved Cable Management with optional Cable Management bar terminating 4 pairs UTP cable.	3			NOS	
62	D-Link Cat 6 Patch Code 1.5 MTR 4 Pairs Unshielded Twisted Pair (UTP) Cable • Conductor Metal: Bare Copper • Color Code: Gray • Conductor: 24 AWG • Insulation Material: HD- PE • Jacket Material: PVC UL94V-0 • Heat-resistant: 60oC minimum (Temperature limited) • Flame property: The purpose of the vertical flame test is to screen o	100			NOS	
63	LG 55 Inch TV Model: 55TR3DK SERIES (55") KEY FEATURES:-Brightness: 440 Nits Resolution: 3840*2160 Operation: 16 Hrs/Day Built in Android OS (v11.0) Screen share available Internal memory 32GB RAM: DDR 4 GB Sound output: 30W (15w x 2) Palm Erasing enabled Web Browser in built Air class facility OPS Kit extension Possible HDMI-3 HDMI OUT - 1 Audio IN RGB in RJ45 LAN USB-2.0 x 1 USB-3.0 x 4 USB-Type C - 1 Touch in( USB 2.0, B Type) x 2 Optical out Audio out Protection Glass- 3T ( Anti Glare) OS support: Win 7/8/10/XP/Linux/Mac/Android (WinXP/Linux/Mac support one touch)	1			NOS	
64	D-Link RJ45 Connector matel is a modular plug used primarily for network cabling and it is usually used for data transmission.A13	2			NOS	
65	Tripp Lite SmartRack 1U Horizontal Cable Manager	5			NOS	
66	Fiber optic joints or termination is a necessary process when installing a network. Every network operators	18			NOS	
67	D-Link/Alpine/Valrack EROD - 9U, Outdoor WM/PM Rack - 600Wx550D • 9U - Outdoor IP65 Wall/Pole Mount Rack   600mmW x550mmD   Double Canopy   Front Metal Door with Filter & Lock   2 Pair of 19" Mounting Rails   Powder Coated Rigid Steel Construction   1U Canteliver Tray   Cable Manager 1U 01xFan   01x06 Socket 5A PDU   01x Mounting Hardware (Pack of 10)	3			NOS	

68	DIGISOL/Cisco/Grandstream Network 24 Port 2 Port SFP Switch 10/100/1000 Mbps Unmanaged Switches are economical,plug-and-play networking switch solutions for SOHO and small and medium businesses Gigabit LAN ports for high-speed wired connections8/16/24 Gigabit Ethernet ports and 2/4 Gigabit SFP ports	3			NOS	
69	D-Link NFP-0WHI11 Face Plate Single Ports: Single, Compatibility: It is compatible with standard keystone jacks.Polycarbonate body for long durability, Dimensions: 86 x 86 mm,Part Code: NFP-0WHI21	70			NOS	
70	Cisco/D-Link DEM-310GT 1000BASE-LX Mini-GBIC Gigabit Ethernet ModuleThe 1000BASE-LX/LH SFP, compatible with the IEEE 802.3z 1000BASE-LX standard, operates on standard single-mode fiber-optic link spans of up to 10 km and up to 550 m on any multimode fibers. When used over legacy multimode fiber type, the transmitter should be coupled through a mode conditioning patch cable. For details on this implementation	6			NOS	
71	D Link/Aeconnect 6 Core Armored NCB-FS09O-AUHD-06 • Steel tape adds to crush resistance as well as can be used as a cable locator after installation • Cables are rodent protected • Easily removable rugged jacket • Flexible, light weight, easy to handle & install • Tensile and crush resistant • UV protected • Tightly controlled physical parameters • 24F Available with Black color ring marking over fiber design	300			Meter	
72	D-Link/Aeconnect FiberOpticComponentsLIU-FIXED1U 6 Port 410x310x42mm (DxWxH)Can include adapter panels for maximum 48LC, 48SC, 36ST or 36FC terminations Capable of storing up to 3 meters of 900um tight buffered fiber per adapter • Removable front and top covers for better access to interior of LIU	3			NOS	
73	D Link Fiber patch code Yellow for single mode, orange for multi-mode & aqua for OM3 1m, 2m and 3m. Other lengths on request.0.9mm/2.0mm/3.0mm Simplex & Duplex,NCB-FS09S-STST-1 NCB-FS09S-STSC-1	6			NOS	
74	D-Link RJ45 Connector matel is a modular plug used primarily for network cabling and it is usually used for data transmission.A13	2			BOX	
75	Fiber optic joints or termination is a necessary process when installing a network. Every network operators	18			NOS	
76	D-Link Cat 6 Patch Code 1.5 MTR 4 Pairs Unshielded Twisted Pair (UTP) Cable • Conductor Metal: Bare Copper • Color Code: Gray • Conductor: 24 AWG • Insulation Material: HD-PE • Jacket Material: PVC UL94V-0 • Heat-resistant: 60oC minimum (Temperature limited) • Flame property: The purpose of the vertical flame test is to screen o	100			NOS	
77	D-Link Cat-6 Patch Panel Fully Lodded Category 6 patch panels are six port RJ45 modules applied and suitable for 22-26 AWG stranded and solid wire, compatible with both 110 & Krone punch down tools. D-Link patch panels have improved Cable Management with optional Cable Management bar terminating 4 pairs UTP cable.	3			NOS	
78	TP Link/Grandstream Wave-2 Wi-Fi Access Point Wireless 5Gbps aggregate wireless throughput, 4x Gigabit wireline portsUp to 100 meters coverage range Self power adaptation upon auto detection of PoE/PoE+ and PSE Supports up to 256 concurrent Wi-Fi client devicesAnti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device 2.4 GHz Radio: 2412 – 2483.5 MHz 2.4G: 20 and 40 MHz 5G: 20, 40, 80, and 160 MHz SSIDs 32 SSIDs total, 16 per radio (2.4ghz and 5 ghz)	10			NOS	
79	Tripp Lite SmartRack 1U Horizontal Cable Manager	3			NOS	



80	MATRIX ETERNITY PENX6SAC, SYSTEM CAPACITY ETERNITY PENX No. of Voice module 16 Simultaneous Voice Module Playback 5 Max. Audio conference participants (System wide) 48 Max. Audio conference participants (In a single multi-party conference) 15 Max. Number of simultaneous 3-party conference 16 VoIP Protocol SIP, SDP, RTP, SRTP Network Protocol IPV6, IPV4, TCP, UDP, VLAN, DHCP, PPPoE, QoS, STUN Transport Protocol UDP, TCP, TLS Codec G.711 (A-law, µ-Law), G.723, G.729AB, GSM-FR, iLBC DTMF RTP (RFC2833), SIP Info, IN-Band LAN Gigabit port WAN Gigabit port Voicemail Yes Call recording 2170 Hr. USB storage capacity 64 GB Internal USB port 1 External USB port 1 Environment Operation range: 0°C to 45°C Storage range: -20°C to +70°C Operating humidity: 5-95% RH Non-Condensing Mounting 1U Rack Mount, Tabletop	1			NOS	
81	MATRIX ETERNITY PE CARD CO2+DKP2+SLT4 Model CO2+DKP2+SLT4 Brand Ample Trails Type Expansion Card for Analog Trunks (CO), Digital Key Phones (DKP) and Analog Extensions (SLT) CO Ports 2 DKP Ports 2 SLT Ports 4 Compatible PBX Eternity PE Series	1			NOS	
82	MATRIX ETERNITY PE CARD SLT8 Expansion Card for Analog Extensions (SLT) • SLT Ports: 8 • Compatible PBX: ETERNITY PENX and PE Series	3			NOS	
83	MATRIX ETERNITY PE CARD SLT4 Expansion Card for CO and SLT CO Ports: 4 SLT Ports: 4 Compatible PBX: ETERNITY PENX and PE Series	1			NOS	
84	Matrix Telecom ETERNITY EON510 Phone Call Management Message wait Lamp <input type="checkbox"/> Ringer Lamp <input type="checkbox"/> Voice Mail <input type="checkbox"/> Call Pickup – Group, and Selective <input type="checkbox"/> Paging Display 240*64 Pixels Graphical LCD with Backlit <input type="checkbox"/> LED for Incoming/Ongoing Calls, Mute, Hold <input type="checkbox"/> Intuitive User Interface with Icons <input type="checkbox"/> Multiple Languages Caller ID with Name, Number, Physical Features 49 keys including 4 Context Sensitive Hard Keys <input type="checkbox"/> 1 x RJ9 Handset Port <input type="checkbox"/> Dimensions (mm): Length 247 X Breadth 183 X Height 43	6			NOS	
85	Telephone Distribution Box, Junction Box (50 Pair With Krone Module) 50 Pair Krone Module box & Telecom Distribution boxes waterproof IP65 and IP67. Elegant design with heavy duty ABS Enclosure for outdoor applications. Inbuilt krone module frames fitted with modules on it. Suitable PG Glands for cable inlet and outlets.	3			NOS	
86	Beetel M90N Caller Id Corded Landline Phone with 16 Digit LCD Display, Fsk/Dtmf Compatible Caller N Id, 8 Direct One Touch & 10 Two Touch Memory, Volume Control for Speaker Phone, Music On Hold (Black)	34			NOS	
87	JBL Bar 1300, 11.1.4 Channel Truly Wireless Soundbar with True Dolby Atmos®, DTS:X, and MultiBeam™ Surround Sound, 10" Down-Firing Wireless Subwoofer, HDMI eARC, BT, Wi-Fi, Alexa, One App (1170W)	1			NOS	

88	Bose Portable PA System L1 Pro8 System Type:Self-powered line array with integrated bass module and onboard three-channel digital mixer Frequency Response (-3 dB) 45 Hz to 16 kHz Frequency Range (-10 dB)33 Hz to 18 kHz Nominal Vertical Coverage Pattern 40° Vertical Beam Type C-shape Nominal Horizontal Coverage Pattern 180° Calculated Maximum SPL @ 1 m, continuous 112 dB Calculated Maximum SPL @ 1 m, peak 2 118dB Crossover 200 Hz Transducers Low Frequency 1 × RaceTrack low-frequency driver 7" x 13" Low Frequency Voice Coil Size 2" High / Mid Frequency 8 × Articulated 2" drivers High / Mid Frequency Voice Coil Size 3 Driver Protection Dynamic limiting Amplification Type Two-channel, Class D Low Frequency Amp Channel 240 W High / Mid Frequency Amp Channel 60W Onboard Mixer Channel 1 & 2 Input: Audio Type Combination XLR or 1/4" TRS connector (mic/instrument/line) Channel 1 & 2 Input: Input Impedance 10 KΩ (XLR); 2 MΩ (TRS) Channel 1 & 2 Input: Trim 0 dB, 12 dB, 24 dB, 36 dB, and 45 dB analog gain steps tomatically selected and compensated by DSP AC Power Input 100–240 VAC (±15%, 50/60 Hz)	1			Nos	
89	LG Interactive Touch Display Model: 75TR3DK (75") # IPS Panel # Android 13 (EDLA) # 3840 x 2160 UHD Native Resolution # 440 Nits Brightness# 60 Hz Refresh Rate# 1200:1 Contract Ratio Quad core A55 SoC # Mali G52MP2 GPU # 8 GB RAM / 64 GB ROM # 8 ms Response Time # 16/7 Operation Hours # Booting Logo Image # PIP / PBP (1 External Source) # Toughened Glass with 9H level # HDMI x 3, VGA, USB 3.0 x 4, USB 2.0, USB-C type # Audio In, RS232C In, RJ45 In, Wi-Fi6 # HDMI Out, Touch USB 2.0 x 2, RJ45 Out, Audio Out, BT5.0	1			Nos	
90	LG 4K UHD Commercial TV Model:- 65UT801C (65") EY FEATURES:- # 3840 x 2160 UHD Resolution # 60 Hz Refresh Rate # a5 AI Processor 4K Gen7 # 10W + 10W Built in Speaker # AI Sound Pro Virtual 5.1 Up-Mix # Pre-Loaded Apps # Web Browser # LG Channels (India) # Wi-Fi   RJ45 LAN # Screen Share   Airplay # Google Chromecast # Bluetooth # Google Assistant # Amazon Alexa # LG ThinQ AI # HDMI x 3   USB x 2   RF	1			nos	
91	Electronic Hotel Lock Stand alone electronic lock with RFID technology, Power : 4 x 1.5V AA alkaline batteries,Material : Handles - Stainless steel quality SUS304 ,Metal Finishes : Silver, Gold, Matte Black , Door Thickness : 35-80mm (only for EURO mortise).	38			NOS	
92	RFID Encoder and Updater Protocol : USB HID Keyboard Class, Connector Type : Standard Type A,Contactless Smart Card Interface Power source : From USB port,Speed : USB Full Speed (12Mbps).Built-in-Peripherals LED : 2 single-color : Red and Green Buzzer : Monotone	1			NOS	
93	Hotel Lock MF CardsContactless transmission of data and supply energy (no battery needed) ,Operating distance: Up to 100mm (depending on antenna geometry),Operating frequency: 13.56 MHz,Fast data transfer: 106 kbit/s	38			NOS	
94	Energy Saving Switch Features:Card Type : Mifare Card Only ,Frequency : 13.56Mhz, Working Voltage : AC220V,Working Temperature : -10°C - 60°C.	38			NOS	
95	Hotel Management Software	1			NOS	

96	<p>Supplying and erecting, commissioning and testing diesel generating set having continuous rating, 3 phase, 415 volts, 50 cycles A.C. supply comprising of a totally enclosed air/water cooled diesel engine with multi-cylinders developing suitable BHP not less than following capacity at 1500 RPM with 10% overload for one hour in 24 hours with standard accessories like fly wheel, lubricating oil cooler, "A" class governor, heavy duty fuel wheel and lubricating oil filter, oil bath air filler, lubricating oil pressure gauge, end exhaust manifold, standard set of tools with adjustable spanners, screw drivers, feeder gauge, cylinder head to cover, joint cylinder head to exhaust, element lube oil filter, 12/24 volts electric starting equipment complete with standard battery, dynamo, cut-outs, ammeter, necessary wiring, pressure gauge, starter etc and heavy duty Residential type exhaust silencer and vertical hot air duct both logged with asbestos rope, save oil trays, exhaust piping of required length, standard wall/floor mounted fuel with level indicator and piping and drip proof alternator, self excited, self regulated, screen protected, with excitation system, capable of delivering the rated system output at 415 volts, 3 phase, 0.8 PF, 50 Hz, 4 wire, running at 1500 RPM,</p> <p>conforming to IS-47221968 with voltage regulation +/-5% of rated voltage from no load to full load. Both the engine and alternator fitted on a common fabricated steel base plate with antivibration mounting engine and alternator both connected to each other by flexible flange coupling and with floor/wall mounted control panel box comprising of voltmeter ammeter, selector switches, ACB / MCCB / MCB of adequate capacity, indicator lamps duly wired with HRC fuses. The alternator &amp; control panel shall be connected with provided suitable capacity armoured cable and complete with Acoustic enclosure (canopy) made out of 18 SWG CRCA Sheet, sound absorbing material Rockwool of 64 density &amp; 100 mm thick conforming to IS:8183 The resin bonded rockwool covered from inside the canopy by perforated sheet with 3/4 mm holes, sound level not more than 75 dB at a distance of 1 mtr, as per PVCT norms. Erection, commissioning and satisfactory testing as per requirement with first filling of fuel, oil, etc. with guarantee of complete system for One year. &amp; with obtaining all necessary certificate from Electrical Inspector. The Capacity and Ratings of DG sets are as below. (L)Continuous rating of 125 KVA ,BHP not less than 154 BHP</p>	1			No.	
97	<p>Supplying and erecting Acoustic enclosure (canopy) made out of 18 SWG, CRCA Sheet, sound absorbing material Rockwool of 64 density &amp; 100 mm thick conforming to IS:8183 The resin bonded Rockwool covered from inside level not more than 75 dB at a distance of 1 mtr, as PVCT norms , on provided foundation suitable for following size of DG Set. The enclosures for following capacity of DG sets. for 125 kva</p>	1			No.	
98	<p>Supplying, Erecting, Testing &amp; Commissioning the passenger / stretcher lift having following main features: (A) GENERAL DESCRIPTION OF LIFTS.[1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.</p>	2			nos	

<p>[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside</p> <p>[5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light &amp; Fan should start immediately without any Time Delay as soon as power fails.</p> <p>[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.</p> <p>[7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation ( Manual Cranking Facility).</p> <p>[9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.</p>		
<p>[10] Spring buffers/PU Buffers shall be provided.</p> <p>[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.</p> <p>[12] Voice annunciator with suitable music shall be provided in lift car.</p> <p>[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.</p> <p>[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.</p> <p>[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc...</p> <p>[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.</p>		
<p>[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)</p> <p>[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car</p> <p>[20A] As per statutory requirement of Govt. Of Gujarat lift &amp; escalator act 2000, lift agency has to provide</p> <ol style="list-style-type: none"> <li>1. Car top safety barricade</li> <li>2. Push &amp; talk communication system.</li> <li>3. Fireman's switch operation at Ground Floor.</li> <li>4. carrying out third party lift inspection during/after lift erection and provide report by third party authorized by concern licensing authority</li> <li>5. agency has to provide third party insurance upto completion of free maintenance period and submit the document for the same.</li> </ol> <p>[21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin.</p> <p>[22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear &amp; Side Wall Panels in Lift Car.</p>		

<p>(B) SPECIAL FEATURES DESCRIPTION OF LIFTS for PREMIUM category1. Advanced control system dual 64 bit embedded microprocessor with CANBUS Serial Communication mode including Regenerative power efficient operation, on site programming facility, Anti nuisance, Pte-opening, BMS/RMS with necessary online real time monitoring system having necessary connectivity for remote monitoring &amp; other suitable supporting hardware &amp; software devices to fulfil the purpose.2. Floor Indication LCD Display with call registration &amp; brail mark with arrival gong and hall lantern &amp; TFT Screen in the car with MP3 Voice Announcer.3. CAR Panel should be Scratch resistive SS Moonrock finish / Hair Line / Honeycomb for car and all Doors, All landing doors must have fire rating up to 2 hours and car door must have multi-level crisscross beam door protection.4. To &amp; fro communication system &amp; wiring (i.e. car, control room &amp; guard room) and Each elevator are equipped with remote monitoring system. agency has to provide mobile app and user id and password for monitoring 8 / 10 Passengers, Ground plus 3 upper floor with Rated Speed of 1.0 m/sec., With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem.</p>				
TOTAL				

Contractor

EXECUTIVE ENGINEER (TD)