

MB -Electrical ,The Irish House				RA-5th					
SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
1	PANEL & SWITCHGEAR								
	Supply, installation, testing & commissioning of free standing, floor mounting compartmentalized panels fabricated out of CRCA sheet steel sections after carrying out 7 tank cleaning process and duly powder coated using Siemens Grey Shade No. RAL 7032. The frame structure, doors and gland plates shall have 2.0 mm thick sheets and partitions shall be with 1.6 mm thick CRCA sheet. Base channel size 75 x 40 x 6 mm of ISMC shall be provided. The panel shall be dust and vermin proof with neoprene gasket. The doors shall be provided with concealed hinges and with brazing wherever required to avoid deformation and shall be earthed. The bus bar shall be of tinned Copper with epoxy supports and shall be insulated with colour coded heat shrink sleeves. The control wiring min. 2.5 Sq.mm shall be ZHLS type. The Panel shall be provided with CTs, phase indication lamps, meters, relays and all switchgear, etc. as per the SLD. The panel shall be complete in all aspects as per the final approval of the Consultant. All components for Switchgear shall be L&T/Agood.								
a	Providing & installing MAIN LT PANEL as per SLD & Spec.: Material supply at site	Set	1	1	1			1	
	Total qty	Set						1	
	Previous qty	Set						1	
	This bill qty	set						0	
	63 Amps 4 pole, 16kA MCCB with Microprocessor Based overload, short circuit & Earth Fault protection, Energy manager (EM6400NG) with RS485 port for BMS connectivity & 4A with SP MCB with 100/5A-3 Nos., 15VA, CL-1 CT's for metering & of AE make and phase indicating lamps Vaishno make with SPMCB. CBCT with microprocessor based EFR								
	Busbar chamber - 1 set, 4 pole 100A Tinned Cu. Busbar with necessary OUTGOINGS:								
	i. 63A 4P MCB - 1 Nos.								
	ii. 40A 4P MCB - 2 Nos.								
	iii. 40A DP MCB - 2 Nos.								
	iv. MPCB suitable for 2.2kW-2 Nos.								
2	Supply, installation, testing & commissioning of Switchgears.(Standard Product)								
a	Supply, installation, testing and Commissioning of 40 Amps, 4 Pole MCB with ELCB at 300mA for HVAC Outdoor Isolation all complete with mounting accessories	Nos.	RO						
b	Supply, installation, testing and Commissioning of 32 Amps, 4 Pole MCB for HVAC Outdoor Isolation all complete with mounting accessories.	Nos.	2						
c	Supply, installation, testing and Commissioning of 40 Amps, DP, MCB for UPS/INVERTER Isolation all complete with mounting accessories for UPS.	Nos.	2					2	
	UPS Isolation DB and MCB set			2					
	Total Qty	Nos.						2	
	Previous Qty	Nos.						2	
	This Bill Qty	Nos.						0	
d	Supply & installation of DOL starter L&T/Siemens/Legrand for 3 kW load	Nos.	RO						
e	Supply & installation of DOL starter L&T/Siemens/Legrand for 4 kW load	Nos.	RO						
f	Supply & installation of Star Delta starter as per Type-2 Coordination for 3 kW (4HP) load with on / off / trip indication Lamp, on off push button, & phase indication Lamp (For Exhaust air fan)(EXISTING UNIT PROVIDED BY MALL)	Nos.	RO						
g	Supply & installation of Star Delta starter as per Type-2 Coordination for 9.3 kW (12.5HP) load with on / off / trip indication Lamp, on off push button, & phase indication Lamp (For Exhaust air fan)	Nos.	RO						
h	Supply & installation of Star delta starter as per Type-2 Coordination for 5.5 kW (7.5HP) load with on / off / trip indication Lamp, on off push button, & phase indication Lamp (For Fresh air fan)	Nos.	RO						
i	Supply & installation of DOL starter as per Type-2 Coordination for 2.2 kW (3.0HP) load with on / off / trip indication Lamp, on off push button, & phase indication Lamp (For AHU)	Nos.	RO						
j	Supply & installation of DOL starter as per Type-2 Coordination for 1.5 kW (2.0HP) pump load with on / off / trip indication Lamp, on off push button, & phase indication Lamp (For Scrubber)	Nos.	RO						
k	80 amps 4P ELMCB 300mA with 63A 5 Pin Ray Roll Socket complete with all mounting accessories - for Indoor Legrand make model No. 6078 80	Nos.	RO						
l	63 amps 4P ELMCB 300mA with 63A 5 Pin Ray Roll Socket complete with all mounting accessories - for Indoor Legrand make model No. 6078 80	Nos.	RO						
m	32 amps 4P MCB with 32A 5 Pin Ray Roll Socket complete with all mounting accessories - for Kitchen Legrand make model No. 6078 80	Nos.	RO						
n	25 amps 4P MCB with 25A 5 Pin Ray Roll Socket complete with all mounting accessories - for Kitchen Legrand make model No. 6078 30	Nos.	RO						
o	25A Rey roll socket complete with 25 amps SPMCB with 3 pin metal clad socket - Legrand make Model No. 6078 41	Nos.	RO						

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
p	20A Rey roll socket complete with 32 amps DPMCB with 3 pin metal clad socket - Legrand make Model No. 6078 41	Nos.	1						
q	5/15A Rey roll socket complete with 15 amps SPMCB with 3 pin metal clad socket - Legrand make Model No. 6078 41	Nos.	7						
r	Set of 1no 25A Metal clad Socket with MCB, and 2nos 6/16A Switch sockets housed in Fabricated SS Panel suitable for hanging arrangement for Kitchen equipments.	Nos.	RO						
q	5/15A Swith socket complete (IP-65) for Kitchen	Nos.	20						
	Swith socket ip65 for kitchen	Nos.		10				10	
	Total Qty	Nos						10	
	Previous qty	Nos						10	
	This bill qty	nos						0	
3	SITC of Standalone Gas leak detector with inbuilt sounder for Kitchen	Nos.	RO						
	TOTAL FOR MAIN PANEL & SWITCHGEAR								
II	INVERTER / UPS								
1	Supply, installation, testing and commissioning of 6 KVA UPS System Single Phase I/C & Single Phase O/G complete with 30 Minutes Battery Back-up the required accessories as specified in the drawings & the specifications.	Nos	1						
	UPS	Nos.		1				1	
	Total Qty	Nos						1	
	Previous qty	Nos						1	
	This bill qty	nos						0	
	TOTAL FOR UPS								
III'	DISTRIBUTION BOARDS								
	Supply, installation, testing & commissioning of Distribution Boards surface / flush mounted with Double door containing MCB/ELMCB as incomer and SPMCB as outgoing. All MCBs are of 10KA breaking capacity and ELMCBs/RCCB should be of 30mA/100 mA sensivity. The DB shall have appropriate no. of top and bottom knock outs for outgoing circuits and shall be complete with necessary busbars, interconnection terminals and earth studs. All terminations in DB shall be complete with ferulling, dressing and all circuits shall be properly labeled with PVC strip (sticker type) having identification as per the final approval of Consultant. For UPS DB MCB shall be 'D' type and other MCBs shall be 'C' category for lighting and raw power DB LEGRAND/L&T								
1	Lighting Distribution Board - LPDB 12 WAY TPN DB I/C- 1 # 40A FP MCB , 16KA SUB I/C - 3 # 25A DP RCCB 30mA per phase O/G - 30 # 10/20A SP MCB	Nos.	1						
	Distribution board	Nos.		1				1	
	Total Qty	Nos.						1	
	Previous bill	Nos.						1	
	this bill qty	Nos.						0	
2	RAW Power Distribution Board - RPDB 6(8) WAY TPN DB I/C- 1 #40 A FP MCB SUB I/C- 3#40 DP ELCB 300mA per ph O/G - 18 # 16/20A SP MCB	Nos.	RO						
3	Kitchen Power DB - (KPDB-1) 8 WAY TPN DB I/C- 1 #40 A FP MCB SUB I/C- 3#32 DP ELCB 100mA per ph O/G - 18 # 16/20A SP MCB	Nos.	2						
	Supply kitchen dB	Nos.		1				1	
	Total Qty	Nos.						1	
	Previous bill	Nos.						1	
	this bill qty	Nos.						0	
4	EMERGENCY LIGHTING DB (ELDB/UPSDB) 12 way SPN DB Incomer: 40A DP RCBO 30mA Outgoings :10/16 SP MCB, 'D' Type - 8 Nos	Nos.	1						
	Emergency DB	Nos.		1				1	
	Total Qty	Nos.						1	

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
	Previous bill	Nos.						1	
	this bill qty	Nos.						0	
TOTAL FOR DISTRIBUTION BOARDS									
IV	CABLES & ACCESSORIES								
	Supply & installation of following LT XLPE FRLSH cables (FINOLEX/RR KABLE/POLYCAB) rated for 600 / 1100 volts AC as per IS standard 1554 Part 1 with necessary M.S. clamps. All cables shall be properly clamped or tied when run on cable trays. All such cables shall be provided with temporary labelling at every 20 mtrs and ten finally with metal identification tags showing the size and the location from/to the specific Panel/DB at both ends.								
1	3.5C x 300 Sq. mm A2XFY	Mtr.	RO						
2	3.5C x 240 Sq. mm A2XFY	Mtr.	RO						
3	3.5C x 185 Sq. mm A2XFY	Mtr.	RO						
4	3.5C x 150 Sq. mm A2XFY	Mtr.	RO						
5	3.5C x 120 Sq. mm A2XFY	Mtr.	RO						
6	3.5C x 95 Sq. mm A2XFY	Mtr.	RO						
7	3.5C x 70 Sq. mm A2XFY	Mtr.	RO						
8	3.5C x 50 Sq. mm A2XFY	Mtr.	RO						
9	3.5C x 35 Sq. mm A2XFY	Mtr.	RO						
10	4C x 16 Sq. mm A2XFY	Mtr.	100						
11	4C x 10 Sq. mm A2XFY	Mtr.	RO						
12	4C x 10 Sq. mm 2XFY (Cu)	Mtr.	RO						
13	4C x 16 Sq. mm 2XFY (Cu)	Mtr.	RO						
14	4C x 6 Sq. mm 2XFY Cable (Cu)	Mtr.	30						
	main pannel to light DB	Mtr.		1	3			3	
	Main Pannel to Kitchen DB	Mtr.		1	7			7	⑦ 5
	Total Qty	mtr						10	
	Previous bill	mtr						3	
	this bill qty	mtr						7	
15	4C x 4 Sq. mm 2XFY Cable (Cu)	Mtr.	60						
16	4C x 2.5 Sq. mm 2XFY Cable (Cu)	Mtr.	RO						
17	3C x 6sq. mm YWY cable (Cu)	Mtr.	20						
	UPS to Main Pannel	Mtr.		1	18			18	⑱ 16
	Total Qty	mtr						18	
	Previous bill	mtr							
	this bill qty	mtr						18	
18	3C x 4sq. mm YWY cable (Cu)	Mtr.	40						
	AHU Stater to Main Pannel	Mtr.		1	10			10	⑲ 8
	Total Qty	mtr						10	
	Previous bill	mtr							
	this bill qty	mtr						10	
19	3C x 2.5 Sq. mm YWY cable (Cu)	Mtr.	RO						
20	1C x 10 Sq. mm YY cable (Cu)	Mtr.	RO						
21	1C x 6 Sq. mm YY cable (Cu)	Mtr.	RO						
22	1C x 4 Sq. mm YY cable (Cu)	Mtr.	RO						
23	5Rx1Cx16 Sq.mm YY FRLS Cable (Cu)	Mtr.	RO						
24	5Rx1Cx10 Sq.mm YY FRLS Cable (Cu)	Mtr.	RO						
25	5Rx1Cx6 Sq.mm YY FRLS Cable (Cu)	Mtr.	RO						
26	5Rx1Cx4 Sq.mm YY FRLS Cable (Cu)	Mtr.	RO						
B	Termination of following sizes of cables with Single compression cable gland.(COMET/BRAKO)								
1	3.5C x 300 Sq. mm A2XFY	Nos.	RO						
2	3.5C x 240 Sq. mm A2XFY	Nos.	RO						
3	3.5C x 185 Sq. mm A2XFY	Nos.	RO						
4	3.5C x 150 Sq. mm A2XFY	Nos.	RO						
5	3.5C x 120 Sq. mm A2XFY	Nos.	RO						
6	3.5C x 95 Sq. mm A2XFY	Nos.	RO						
7	3.5C x 70 Sq. mm A2XFY	Nos.	RO						
8	3.5C x 50 Sq. mm A2XFY	Nos.	RO						
9	3.5C x 35 Sq. mm A2XFY	Nos.	RO						
10	4C x 16 Sq. mm A2XFY	Nos.	2						
	Cable gland	Nos.		1	1			1	
	Total Qty	mtr						1	
	Previous bill	mtr							
	this bill qty	mtr						1	

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11	4C x 10 Sq. mm A2XFY	Nos.	RO						
12	4C x 10 Sq. mm 2XFY (Cu)	Nos.	RO						
13	4C x 16 Sq. mm 2XFY (Cu)	Nos.	RO						
14	4C x 6 Sq. mm 2XFY Cable (Cu)	Nos.	6						
	Cable gland	Nos.		1	3				3
	Total Qty	mtr							3
	Previous bill	mtr							
	this bill qty	mtr							3 ✓
15	4C x 4 Sq. mm 2XFY Cable (Cu)	Nos.	4						
16	4C x 2.5 Sq. mm 2XFY Cable (Cu)	Nos.	RO						
17	3C x 6sq. mm YWY cable (Cu)	Nos.	4						
18	3C x 4sq. mm YWY cable (Cu)	Nos.	4						
19	3C x 2.5 Sq. mm YWY cable (Cu)	Nos.	RO						
20	1C x 10 Sq. mm YY cable (Cu)	Nos.	RO						
21	1C x 6 Sq. mm YY cable (Cu)	Nos.	RO						
22	1C x 4 Sq. mm YY cable (Cu)	Nos.	RO						
23	5Rx1Cx16 Sq.mm YY FRLS Cable (Cu)	Nos.	RO						
24	5Rx1Cx10 Sq.mm YY FRLS Cable (Cu)	Nos.	RO						
25	5Rx1Cx6 Sq.mm YY FRLS Cable (Cu)	Nos.	RO						
26	5Rx1Cx4 Sq.mm YY FRLS Cable (Cu)	Nos.	RO						
	TOTAL FOR CABLES & ACCESSORIES								
V	WIRING & ACCESSORIES								
	Notes :								
	1) Rates for point wiring shall include supply & installation of Wires & wiring accessories such as angle holders/ceiling roses as required. conduits, conduit accessories such as junction boxes, Ts, elbows etc,Switches, sockets & fixtures shall not be included in the point wiring rates. These will be counted & paid separately.								
	2) Unless otherwise specified, all wires in point wiring shall be 2.5 sq.mm Stranded copper conductor 1.1 KV grade, I.S.I. marked (P+N+E), LSZH PVC insulated . Wires shall be colour coded (Red, Yellow and Blue for Phases, Black for Neutral & Green for earth).								
	3) Looping of wires shall be in fittings and switch boxes only								
	4) Location of switches/sockets/ DBs shown on the drawings shall be confirmed with the Architect/ Consultant/ Project Manager before installation.								
	5) All Surface and concealed Conduits shall be rigid GI conduits of size not less than 20 mm dia as per applicable IS.								
	6)The Contractor can take more than one circuit in the same conduit provided they are of the same phase. The size of conduit shall be decided according to the number of wires in it as per applicable IS & as specified.								
	7) Payments for light fixtures & fans will be made separately as per the items given in 'Light Fixtures & Accessories'.								
	8) Type & location of light fixtures shown in the drawings are tentative and subject to revision as per the recommendation of Architect/ Consultant. The quantities (number of points and accessories) of point wiring will be revised as actual installed on account of such revisions in the layouts.								
	9) Circuit wiring from DBs to the switch boards or first light point shall Be included as primary points & remaining points of the same looping shall be considered as Secondary points and shall be counted in nos.								
	10) Circuit Wiring from DB to Kitchen Power points shall be measured in running meters								

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
1	Supply, installation, testing & commissioning of point wiring for light points, power points. Point wiring for primary point shall include wiring from Distribution Board upto First point of the circuit and shall be measured in nos. Secondary points shall also be measured in nos and shall include the remaining light points of the circuit controlled from same distribution board where primary points are controlling. The Power points shall be measured in Nos. Cost of GI conduits and accessories shall be included. Average point length of primary & secondary to be derived by Contractor, from the drawing provided AND +/- 1Mtr Measured Radially								
a)	Primary Light points controlled by MCB (3R x 2.5 sqmm wire) Light points	Nos.	20						
				21				21	
	Total Qty	Nos.						21	
	Previous bill	Nos.						21	
	this bill qty	Nos.						0	
b)	Secondary Light points looped in the same circuit. (3R x 2.5 sqmm wire) secondary light point	Nos.	90						
		Nos.		98				98	
		Nos.		32				32	
	Total Qty	Nos.						130	9
	Previous bill	Nos.						98	
	this bill qty	Nos.						32	
2	Supply, installation, testing & commissioning of point wiring for light points, power points. Point wiring for primary point shall include wiring from Switch Board upto First point of the circuit and shall be measured in nos. Secondary points shall also be measured in nos and shall include the remaining light points of the circuit controlled from same switch board where primary points are controlling. The Power points shall be measured in Nos. Cost of GI. conduits, 6A switch & switch board and accessories shall be included.								
a)	Primary Light points controlled by Switch (3R x 2.5 sqmm wire) Light points	Nos.	1						
				1				1	
	Total Qty	Nos.						1	
	Previous bill	Nos.						1	
	this bill qty	Nos.						0	
b)	Secondary Light points looped in the same circuit. (3R x 2.5 sqmm wire) Secondary Light	Nos.	2						
				2				2	
	Total Qty	Nos.						2	
	Previous bill	Nos.						2	
	this bill qty	Nos.						0	
c)	DB to SB & SB to SB circuit wiring : For Switch Operated Primary point @ SB to SB loop point. Wiring for switch board controlled by MCB already installed in DB by using 3 X 2.5 sq. mm flexible LSZH copper wires in 25mm GI conduits as per IS 9537 part-3 or surface mounted.	Mtrs	10						
3	Supply, installation, testing & commissioning of point wiring for Emergency light points, power points. Point wiring for primary point shall include wiring from Distribution Board upto First point of the circuit and shall be measured in nos. Secondary points shall also be measured in nos and shall include the remaining light points of the circuit controlled from same distribution board where primary points are controlling. The Power points shall be measured in Nos. Cost of GI conduits and accessories shall be included. Average point length of primary & secondary to be derived by Contractor, from the drawing provided AND +/- 1Mtr Measured Radially								
a)	Primary Light points controlled by MCB (3R x 2.5 sqmm wire) Primary light point	Nos.	2						
				2				2	
	Total Qty	Nos.						2	
	Previous bill	Nos.						2	
	this bill qty	Nos.						0	
b)	Secondary Light points looped in the same circuit. (3R x 2.5 sqmm wire) secondary light point	Nos.	9						
				9				9	
	Total Qty	Nos.						9	
	Previous bill	Nos.						9	
	this bill qty	Nos.						0	
5	Providing point wiring for Raw Power/UPS points 1no. 6/16A switch socket outlet on Skirting level to be looped from the nearest point using 2 x 4.0 sq. mm copper conductor wires and minimum 4.0 sq. mm copper conductor PVC insulated green colour earth wire as per approval of Architect / Consultant. (Cost of GI Conduit / Floor Raceway and switch sockets are considered elsewhere). (Wires shall be LSZH type) Note: Average primary / secondary point length to be derived by Contractor, from the drawing / site provided AND +/- 1 Mtr Measured Radially								
a)	Primary Point Primary light point	Nos.	8						
				8				8	

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
	TV POINT Additional item			2					
	Total Qty	Nos.						8	
	Previous bill	Nos.						8	
	this bill qty	Nos.						0	✓
b)	Secondary points	Nos.	27						
	secondary light point			27				27	
	Total Qty	Nos.						27	
	Previous bill	Nos.						27	
	this bill qty	Nos.						0	✓
6	Providing point wiring for Raw Power points 1no. 6A switch socket outlet on Skirting level to be looped from the nearest point using 2 x 2.5 sq. mm copper conductor wires and minimum 2.5 sq. mm copper conductor PVC insulated green colour earth wire as per approval of Architect / Consultant. (Cost of Conduit / Floor Raceway and switch sockets are considered elsewhere). (Wires shall be FRLS type) Note: Average primary / secondary point length to be derived by Contractor, from the drawing / site provided AND +/- 1 Mtr Measured Radially								
a)	Primary Point	Nos.	RO						
b)	Secondary points	Nos.	RO						
8	Supply and laying of following PVC insulated copper conductor 1100 volt grade stranded flexible LSZH wire in already laid GI conduit concealed or surface mounted making connections where ever required to complete the installation.(For Kitchen and Bar Power Points) Conduit rate shall be paid separately.								
a)	2R x 2.5Sqmm + 1R x 2.5Sqmm Cu. Wires	Mtr.	60						
	Lighting								
	Y6	Rmt.		1	27			27	
	R3	Rmt.		1	11			11	
	B2	Rmt.		1	15			15	
	B4	Rmt.		1	16			16	
	B3	Rmt.		1	14			14	
	UPS kitchen								
	F3	Rmt.		1	25			25	
	RO	Rmt.		1	25			25	
	UPS F2 spike light in Rafters	Rmt.		1	43			43	
	UPS F1 spike light in Rafters	Rmt.		1	52			52	52
	Sinage -1	Rmt.		1	18			18	
	Sinage -2	Rmt.		1	21			21	
	Projector	Rmt.		1	21			21	
	TV-1 F5	Rmt.		1	25			25	
	TV-2 F6	Rmt.		1	28			28	
	Total Qty.	Rmt						341	
	Previous qty	Rmt						108	
	This qty.	Rmt						233	
b)	3R x 4Sqmm Cu. Wires	Mtr.	240						
	kitchen circuit KP DB								
	R1	Rmt.		1	25.00			25	
	R3	Rmt.		1	24.00			24	
	Y1	Rmt.		1	23.50			23.5	
	B3	Rmt.		1	22.50			22.5	
	Y5	Rmt.		1	22.00			22	
	Y4	Rmt.		1	22.50			22.5	
	Y2	Rmt.		1	24.00			24	
	B1	Rmt.		1	25.00			25	
	R2	Rmt.		1	24.50			24.5	
	B2	Rmt.		1	25.00			25	
	Y3	Rmt.		1	25.00			25	
	B4	Rmt.		1	25.00			25	
	Power point LP DB								
	Y9	Rmt.		1	38.00			38	
	Y8	Rmt.		1	18.00			18	
	R8	Rmt.		1	36.00			36	
	B7	Rmt.		1	35.00			35	
	B8	Rmt.		1	25.00			25	
	R9	Rmt.		1	22.00			22	
	Service UPS DB								
	F4	Rmt.		1	19.00			19	
	F5	Rmt.		1	35.00			35	
	R Gyser	Rmt.		1	25.00			25	✓
	Total Qty	Rmt						541	
	Previous Qty	Rmt						516	

Point to be check

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	this Bill Qty	Rmt						25	AM
c)	4R x 4Sqmm + 2R x 2.5Sqmm Cu. Wires	Mtr.							
d)	4R x 6Sqmm + 2R x 2.5Sqmm Cu. Wires	Mtr.							
9	Supply & installation of 25 mm dia. GI conduit with pull box / junction box & all accessories for Kitchen & Bar Power wiring as per the requirement								
a	- do - but conduit pipe shall be Rigid type.	Mtr.	350						
		Rmt		1	36			36	
		Rmt		1	16			16	
		Rmt		1	19			19	
		Rmt		1	19			19	
		Rmt		1	19			19	
		Rmt		1	19			19	
		Rmt		1	19			19	
		Rmt		1	19			19	
		Rmt		1	19			19	
		Rmt		1	8			8	
	Cat 6 Wiring for TV-01	Rmt		1	24			24	
	Cat 6 Wiring for TV-02	Rmt		1	24			24	
		Rmt		1	26			26	
	Ceiling conduit	Rmt		1	30			30	26
		Rmt		1	10			10	
		Rmt		1	11			11	
		Rmt		1	30			30	26
		Rmt		1	11			11	
	Total Qty	Rmt						359	
	Previous Qty	Rmt						267	
	this Bill Qty	Rmt						92	AM
b	- do - but flexible conduit pipe	Mtr.	25						
		Rmt		1	3.00			3	
		Rmt		1	2.00			2	
		Rmt		1	2.00			2	
		Rmt		1	2.00			2	
		Rmt		1	2.00			2	
		Rmt		1	3.00			3	
		Rmt		1	3.00			3	
		Rmt		1	4.00			4	
		Rmt		1	3.00			3	
	Total Qty	Rmt						24	
	Previous Qty	Rmt						24	
	this Bill Qty	Rmt						0	
10	Supply & installation of 20 mm dia. GI conduit with pull box / junction box & all accessories for Lighting & Power wiring as per the requirement								
a	- do - but conduit pipe shall be Rigid type.	Mtr.	RO						
b	- do - but flexible conduit pipe	Mtr.	RO						
11	Supply and installation of Perforated Cable Tray (ASIAN) out of 14 gauge GI sheet complete with necessary fixing arrangement with Anchor Fastener and all other accessories as per the final approval of the Consultant/Architect								
a	300 x 50 x 2mm	Mtr.	30						
b	200 x 50 x 2mm	Mtr.	RO						
c	150 x 50 x 2mm	Mtr.	10						
d	100 x 50 x 2mm	Mtr.	RO						
e	50 x 50 x 2mm	Mtr.	RO						
12	Supply and installation of GI trunking (SV POWER/ASIAN) with 2 mm thickness & properties/clamps for suspension at appropriate intervals & as per the route approved by Architect/Consultant. (For DATA/CONTROL WIRING/LIGHTING & POWER CIRCUITS / KITCHEN)								
a	300 x 50 x 2mm	Mtr.	RO						
b	200 x 50 x 2mm	Mtr.	RO						
c	150 x 50 x 2mm	Mtr.	30						
	DB Pannel Back Wall	Mtr.		8				8	
	DB Pannel Back Wall	Mtr.		2				2	
	Kitchen area	Mtr.		6				6	
	Total Qty	Rmt						16	
	Previous Qty	Rmt						8	
	this Bill Qty	Rmt						8	
d	100 x 50 x 2mm	Mtr.	RO						
e	50 x 50 x 2mm	Mtr.	RO						

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
13	Supply and installation of GI raceway with 2 mm thickness & proper ties/clamps at appropriate intervals & as per the route approved by Architect/Consultant. (Cost of cutting the floor for laying of raceways to be included).								
a	3 runs of underfloor raceways of size 100 x 40 mm	Mtr.	RO						
b	2 runs of underfloor raceways of size 100 x 40 mm	Mtr.	RO						
c	1 runs of underfloor raceways of size 100 x 40 mm	Mtr.	20						
d	1 runs of underfloor raceway of size 85 x 40 mm	Mtr.	RO						
e	2 runs of underfloor raceway of size 65 x 40 mm	Mtr.	RO						
f	1 runs of underfloor raceway of size 65 x 40 mm	Mtr.	10						
14	Supply & installation of GI junction boxes with 2 mm thickness, 2mm thick SS cover with 2" extra on all sides SS cover on top and having screw fixed plates on all four sides with knock out holes for conduits. The plates shall be retained on the sides having no conduit or raceway so as to avoid the entry of any unwanted material. Earth stud to be provided for all Junction boxes for earthing. Junction box to be prepared as per the final approval of Architect/Consultant. The junction boxes shall be protected from the entry of unwanted material till the completion of the project & the SS plates shall be installed after the final polishing of flooring								
a	suitable for 450 x 450 x 50 mm	Nos.	RO						
b	suitable for 350 x 350 x 50 mm	Nos.	RO						
c	suitable for 250 x 250 x 50 mm	Nos.	4						
d	suitable for 150 x 150 x 50 mm	Nos.	RO						
15	Supply, installation, testing & commissioning of flush mounted plate type switch and switch + sockets with hot dipped GI box complete as per the final approval of Architect/Consultant								
a	6A one way plate type switch	Nos.	2						
b	6A 5 pin Socket outlet	Nos.	RO						
c	6A 5pin switch socket outlet for CCTV & Charging point	Nos.	1						
f	3 nos. 6A socket controlled by 1no 16A switch	Nos.	2						
g	2 nos. 6A socket controlled by 2no 16A switch	Nos.	5						
	USB Point	Nos.		4				4	
	Total Qty	Nos.						4	
	Previous Qty	Nos.						4	
	this Bill Qty	Nos.						0	
h	1 nos. 6/16A socket controlled by 1nos 6/16A switch	Nos.	32						
		Nos.		20				20	
	tv switch socket	Nos.		2				2	
	tv switch socket	Nos.		21				21	18
	tv switch socket	Nos.		4				4	
	Total Qty	Nos.						47	
	Previous Qty	Nos.						22	
	this Bill Qty	Nos.						25	Atim
i	1 phase, 2 Nos x 5/15 amp, bakelite socket & switch, housed in Fabricated SS Panel suitable for hanging arrangement for Kitchen equipments. (having Two outlet /6 modular plate)	Nos.	1						
16	Supplying, installation, Testing and commissioning flush mounting floor metallic boxes IP 66 (at terrace level) with 2 nos of 6/16A International switch & socket outlet + 1 set of blanking plate for 2 data/voice outlet suitable for AMP tyco l/o's of following modules complete with all installation kits, accessories, required to finish the installation - Sample will Approved by Client/Consultant. Cost of Switches, sockets outlet & blanking plat for Data/Voice outlets shall be included.								
16.1	300mm x 300mm x 65/75 mm	Nos.	RO						
17	Supply, installation of temporary lighting & power arrangement for construction purpose of with industrial type switch & sockets/MCB's/ELCB's & lighting fittings as required to finish the work for interior contractor & necessary electrical protections throughout the site for construction work till the handover of site. Contractor shall maintain the safety rules & regulations as per Airport Security Department. The material shall be taken back by the contractor	Job		1					
	Temporary lighting and power arrangement at site	Job		1				1	
	Total Qty							1	
	Previous Qty							1	
	This Bill Qty							0	
	TOTAL FOR WIRING & ACCESSORIES								
VI	LIGHTING FITTINGS								

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
	Installation, testing & commissioning of the following concealed / surface mounted or suspended light fixtures AS PER FINAL APPROVAL FROM ARCHITECT/CLIENT/CONSULTANT with lamps, ballast & all necessary mounting & supporting accessories. No additional cost shall be paid for supporting.								
1	FILAMENT BULB	Nos.	46						
		Nos.		31				31	
	Total Qty	Nos.						31	
	Previous Qty	Nos.						31	
	this Bill Qty	Nos.						0	
2	PULLEY LIGHT	Nos.	12						
		Nos.		11				11	
	Total Qty	Nos.						11	
	Previous Qty	Nos.						11	
	this Bill Qty	Nos.						0	
3	CHANDELIER	Nos.	4						
		Nos.		5				5	
	Total Qty	Nos.						5	
	Previous Qty	Nos.						5	
	this Bill Qty	Nos.						0	
4	KEG LIGHT	Nos.	3						
		Nos.		3				3	
	Total Qty	Nos.						3	
	Previous Qty	Nos.						3	
	this Bill Qty	Nos.						0	
5	TRACK LIGHT	Nos.	32						
		Nos.		28				28	
	Total Qty	Nos.						28	
	Previous Qty	Nos.						28	
	this Bill Qty	Nos.						0	
6	DECORATIVE LIGHT	Nos.	1						
		Nos.		1				1	
	Total Qty	Nos.						1	
	Previous Qty	Nos.						1	
	this Bill Qty	Nos.						0	
7	HANGING SPOT LIGHT	Nos.	12						
		Nos.		31				31	
	Total Qty	Nos.						31	
	Previous Qty	Nos.						31	
	this Bill Qty	Nos.						0	
8	LED STRIP LIGHT	Mtr.	47						
	Led Profile light	Nos.		42				42	
	Total Qty	Nos.						42	
	Previous Qty	Nos.						42	
	this Bill Qty	Nos.						0	
9	SPIKE LIGHT	Nos.	12						
	Spike light	Nos.		12				12	
	Total Qty	Nos.						12	
	Previous Qty	Nos.						12	
	this Bill Qty	Nos.						0	
10	FILAMENT LIGHT EMERGENCY	Nos.	6						
11	HANGING SPOT LIGHT EMERGENCY	Nos.	5						
	TOTAL FOR LIGHTING FIXTURES								
VII	EARTHING								
	Supply and Installation of Maintenance Free Chemical earthing using Electrode of size approx. 38 mm dia +/- 2mm, 3 metres long bonded with 50x6 copper internal strip complete with excavation, civil works, cast iron cover with backfill compound min. 40 KG. The system shall be CPRI tested.								
1	Warranty period of chemical earthing from the date of commissioning shall be 5 years. Warranty implies the voltage between earth and neutral will not exceed 0 volts for earthing pits installed. (Note: Body earthing provided by Base builder. We have considered Neutral earthing for UPS & Server racks.)	Nos.	RO						
2	Supply & erection of G.I. strip of 50 x 6 mm used for earthing on wall, cable trays with necessary clamps fixed on wall painted with bituminous paint in an approved manner.	Mtr.	RO						

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
3	Supply & erection of G.I. strip of 25 x 3 mm used for earthing on wall, cable trays with necessary clamps fixed on wall painted with bituminous paint in an approved manner.	Mtr.	60						
4	1 no. 4 sq. mm YY cable in 25mm GI conduit for earthing FOR NETWORK RACK	Mtr.	20						
5	Supplying & erecting bare copper conductor of 8 swg for earthing purpose	Mtr.	80						
7	Supplying & erecting bare GI conductor of 8 swg for earthing purpose	Mtr.							
8	Supplying & erecting bare CU conductor of 12 swg for earthing purpose	Mtr.							
9	Supplying & installation testing & commissioning of earth terminal box	Nos.							
TOTAL FOR EARTHING									
VIII	MISCELLANEOUS								
1	Supply & Installation of 6A 3 pin plug top	Nos.	RO						
2	Supply & Installation of 16A 3 pin plug top	Nos.	RO						
3	Supply, installation, testing & commissioning of Cat-6 FRLS Cable for Lighting Automation	Mtr.	RO						
4	Supply & laying of Rubber Mats, CPRI tested conforming to standards like BS 921, ASTM D 178 & IEC 479 for different operating voltage ratings as below. Supply of 2M x 1M Rubber mat suitable for operating voltage upto 1.1 KV	Set	1						
5	Supply & fixing of approved shock treatment chart written in English and in local Language. The chart shall be framed in Teakwood and covered with glass.	Nos.	1						
6	Supply & fixing of approved Fire Alarm evacuation plan chart written in English and in local Language approved by client requirements.	Nos.	RO						
7	Supply & fixing of the best quality LT Danger Boards(415V) for of approved shape and size as specified by the local electrical authorities written in English, and local Language	Nos.	1						
8	Supply & handed over to client of First Aid Box	Set	RO						
9	SITC of Emergency Exit signage (battery operated) approval by client / architect / consultant. Make: Prolite or Equivalent	Nos.	RO						
TOTAL FOR MISCELLANEOUS									
IX	LOW VOLTAGE SYSTEM								
A	DATA AND TELEPHONE SYSTEM								
1	Supply & Installation of 25mm.dia. GI conduit with pull box/ junction box & all accessories for DATA /VOICE/WIFI wiring as per the requirement.	Mtr.	500						
		Rmt		1	25			25	
		Rmt		1	25			25	
		Rmt		1	20			20	
		Rmt		1	14			14	
		Rmt		1	20			20	
		Rmt		1	2			2	
		Rmt		1	22			22	
		Rmt		1	19			19	
	CCTV	Rmt		1	19			19	
	CCTV	Rmt		1	26			26	
	TV	Rmt		1	22			22	
	Total Qty	Rmt						214	
	Previous Bill	Rmt						147	
	This Bill	Rmt						67	
2	Providing DATA wiring inside 25mm dia GI conduit from each Data outlet to ICT CP Point by using Indoor Type CAT6A,	Mtr.	450						
	V3	Rmt		1	32			32	
	D7	Rmt		1	32			32	
	D8	Rmt		1	32			32	
	D1	Rmt		1	26			26	
	D2	Rmt		1	26			26	
	D3	Rmt		1	29			29	
	D4	Rmt		1	29			29	
	V1	Rmt		1	29			29	
	Ra-2nd								
	D9	Rmt		1	27			27	
	D10	Rmt		1	21			21	
	D11	Rmt		1	10			10	
	D12	Rmt		1	16			16	

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SR. No	DESCRIPTION	UOM	Boq qty.	No.	Length	Width	Height	Total	Remarks
	D13	Rmt		1	19			19	
	D14	Rmt		1	26			26	
	D15	Rmt		1	36			36	
	D16	Rmt		1	23			23	
	D17	Rmt		1	14			14	
	D5	Rmt		1	8			8	
	D6	Rmt		1	8			8	
	V2	Rmt		1	8			8	
	wifi 1	Rmt		1	23			23	
	wifi 2	Rmt		1	4			4	
	projector	Rmt		1	21			21	
	CCTV	Rmt		1	202			202	X
	Cat 6 Wiring for TV-01	Rmt		1	25			25	
	Cat 6 Wiring for TV-02	Rmt		1	28			28	
	Total Qty	Rmt						754	
	Previous Bill	Rmt						499	
	This Bill	Rmt						255	
3	Supply & Installation of Internet Jack Unit RJ-45 suitable for CAT6A	Nos.		20					
4	Supply & Installation of make Cat 6A, UTP Patch Cords, with snagless boots, color matched, Blue, 3 Feet	Nos.		20					
5	Supply & Installation of make Cat 6A, UTP Patch Cords, with snagless boots, color matched, Blue, 7 Feet	Nos.		10					
6	Supply & laying indoors multi-pair 0.5mm dia copper PVC insulated and sheathed, armoured telephone cables on walls, ceiling, cable trays, trunking complete with clamps, cable markers etc. from MDF to the various tag blocks as specified								
a	10 pair cable armoured	Mtr.		40					
b	5 pair cable	Mtr.		RO					
c	3 pair cable	Mtr.		RO					
d	2 pair cable	Mtr.		RO					
7	Supply & installation of telephone tag block with KRONE terminal connectors, G.I.J.B as specified & complete with all interconnections and jumper connections between the two tag blocks on all floors as shown on drgs.								
a	50 pair tel. tag block	Nos.		RO					
b	20 pair tel. tag block	Nos.		1					
c	10 pair tel. tag block	Nos.		RO					
	TOTAL FOR DATA AND TELEPHONE SYSTEM								
	GRAND TOTAL								

Point to be check

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