

Shalby Ltd.

Sector - 3 ,
Chitrakoot Scheme,
Vaishali Nagar,
Jaipur, Rajasthan, India
Tel. : +91 9057901400
Website www.shalby.org

Email info@shalby.org


SHALBY
HOSPITALS

Purchase Order

Supplier Code : E3254
Store Name : General store
Supplier Name : DYNAMIC ELECPower
Credit Period : 1 Days
Address : C-IV/103 KAMAL APPAF
BANI PARK
City : JAIPUR
Pin Code :
Phone No/Fax :

Pur. Order NO : 1000045
PO Date : 24/11/2016 12:00:00
Auth/amnd Date :

TIN No. : 08184061116
PAN No. : AAICS5593B

Ser. Tax. Reg. No. : AAICS5593BSD001

Dear Sir/s

Ref. Your Quotation No.

Dated / /

We are pleased to place our order as under subject to the terms & conditions stated overleaf,
Kindly deliver the materials at the earliest with supporting delivery challan in QUADRUPLICATE

Sr.#	Item Code	Description	Qty.	Free	Unit	Rate	Amt.(RS)
1	EL01100041	Central control cum indicating panel	1.00	0.00	Number	79,061.00	79061.000
						0.00	
						Total	79061.000
2	EL01100042	MAIN LT PANEL	1.00	0.00	Number	2,160,177.00	2160177.000
						0.00	
						Total	2160177.000
3	EL01100043	APFC PANEL 520KVAR	1.00	0.00	Number	403,333.00	403333.000
						0.00	
						Total	403333.000
4	EL01100044	LIFT PANEL	1.00	0.00	Number	96,815.00	96815.000
						0.00	
						Total	96815.000

Shalby Ltd.

Supplier Code : E3254			Pur. Order NO : 1,000,045				
Sr.#	Item Code	Description	Qty.	Free	Unit	Rate	Amt.(RS)
5	EL01100045	PLUMBING PANEL	1.00	0.00	Number	265,738.00	265738.000
						0.00	
					Total		265738.000
6	EL01100046	FIRE FIGHTING PANEL	1.00	0.00	Number	216,466.00	216466.000
						0.00	
					Total		216466.000
7	EL01100047	UPS PANEL FOR OTS LOAD	1.00	0.00	Number	81,226.00	81226.000
						0.00	
					Total		81226.000
8	EL01100048	UPS PANEL FOR L & P LOAD	1.00	0.00	Number	109,829.00	109829.000
						0.00	
					Total		109829.000
9	EL01100049	MECH. PARAKING PANEL FOR BASEMENT-3	1.00	0.00	Number	85,053.00	85053.000
						0.00	
					Total		85053.000
10	EL01100050	MECH. PARAKING PANEL FOR BASEMENT-2	1.00	0.00	Number	86,888.00	86888.000
						0.00	
					Total		86888.000
11	EL01100051	AUTO CLAVE PANEL	1.00	0.00	Number	85,202.00	85202.000
						0.00	
					Total		85202.000

Shalby Ltd.

Supplier Code : E3254

Pur. Order NO : 1,000,045

Sr.#	Item Code	Description	Qty.	Free	Unit	Rate	Amt.(RS)
12	EL01100052	MAIN AC PANEL	1.00	0.00	Number	736,190.00	736190.000
						0.00	
					Total		736190.000
13	EL01100053	AHU PANEL FOR Ots	1.00	0.00	Number	166,695.00	166695.000
						0.00	
					Total		166695.000
14	EL01100054	MECH. VENTILATION PANEL	1.00	0.00	Number	144,354.00	144354.000
						0.00	
					Total		144354.000
15	EL01100055	LIFT & FIRE ESCAPE STAIR CASE WELL PANEL	1.00	0.00	Number	32,951.00	32951.000
						0.00	
					Total		32951.000
16	EL01100056	LIFT DB	6.00	0.00	Number	15,710.00	94260.000
						0.00	
					Total		94260.000
17	EL01100057	L&P PANEL FOR BASEMENT -2 & 3	1.00	0.00	Number	143,525.00	143525.000
						0.00	
					Total		143525.000
18	EL01100058	L&P PANEL FOR BASEMENT 1	1.00	0.00	Number	128,377.00	128377.000
						0.00	
					Total		128377.000

Shalby Ltd.

Supplier Code : E3254

Pur. Order NO : 1,000,045

Sr.#	Item Code	Description	Qty.	Free	Unit	Rate	Amt.(RS)
19	EL01100060	L&P PANEL FOR FIRST FLOOR	1.00	0.00	Number	55,465.00	55465.000
						0.00	
					Total		55465.000
20	EL01100061	L&P PANEL FOR SECOND FLOOR	1.00	0.00	Number	64,318.00	64318.000
						0.00	
					Total		64318.000
21	EL01100062	L&P PANEL FOR THIRD FLOOR	1.00	0.00	Number	85,287.00	85287.000
						0.00	
					Total		85287.000
22	EL01100063	L&P PANEL FOR SERVICE FLOOR	1.00	0.00	Number	82,303.00	82303.000
						0.00	
					Total		82303.000
23	EL01100064	L&P PANEL FOR 4,5,6,7th FLOOR	4.00	0.00	Number	62,864.00	251456.000
						0.00	
					Total		251456.000
24	EL01100065	L&P PANEL FOR 8,9th FLOOR	2.00	0.00	Number	63,374.00	126748.000
						0.00	
					Total		126748.000
25	EL01100068	Isolation Panel	1.00	0.00	Number	282,273.00	282273.000
						0.00	
					Total		282273.000

Shalby Ltd.

Supplier Code : E3254

Pur. Order NO : 1,000,045

Sr.#	Item Code	Description	Qty.	Free	Unit	Rate	Amt.(RS)
26	EL01100070	L & P PANEL FOR GROUND FLLOR	1.00	0.00	Number	57,166.00	57166.000
						0.00	
						Total	57166.000
							6121156.000
						Other Addition (+)	
						Other Deduction (-)	
						* Net Amount (RS.)	6121156.000

Delivery On or before 29/12/2016

Indent (S) Processed :-

Warranty

- 1 . 18 Months time from the date of successful commissioning.

Terms of Paymen

- 2 . 30% advance against Advance Bank Guarantee and Remaining 70% against PI Prior to Dispatch Against 10% Performance Bank Guarantee valid uptill defect liability /warranty period.

Other Terms

- 3 . Invoice To: Shalby Hospitals ,Opp gandhi Path
Puliya,Sec;3,Chitrakut,Vaishali Nagar,Jaipur,Rajasthan.
- 4 . Ship to : Shalby Hospitals ,Opp gandhi Path
Puliya,Sec;3,Chitrakut,Vaishali Nagar,Jaipur,Rajasthan.
- 5 . Packing & forwarding charges Inclusive in the price.
- 6 . TAX : Excise Duty : 12.5% Exclusive in the Rates
- 7 . TAX : VAT 5.5% Exclusive in the Rates
- 8 . TAX : Service Tax Inclusive in the rates
- 9 . Unloading charges inclusive in the price.
10. Sales tax & service tax payment receipt copy to be provided by Vendor.
11. We reserve the right to reject /return material or services if not found upto our standard.
12. Rates are Inclusive of all the taxes deductible at source.
13. Advance paid subject to immediate full refund in case of order cancellation.
14. BOQ Specification as per annexure 1
15. Switch Gears, ACBs, MCBs,MCCBs, Auxillary Control Contactors & Other active components of legrand brand
16. Rates are inclusive upto 10 mandays for Commissioning of panels at site.

Delivery

17. As per project requirements.

Shalby Ltd.

Supplier Code : E3254

Pur. Order NO : 1,000,045

<u>Sr.#</u>	<u>Item Code</u>	<u>Description</u>	<u>Qty.</u>	<u>Free</u>	<u>Unit</u>	<u>Rate</u>	<u>Amt.(RS)</u>
-------------	------------------	--------------------	-------------	-------------	-------------	-------------	-----------------

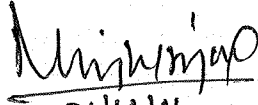
IMPORTANT NOTE: Kindly note that with immediate effect, you are required to send us along bill, challan and copy of our purchase order. If the goods are sent to us without all the above do refuse to accept such goods in our premises, for which you will be responsible for costs and consequences.

Any dispute, differences or claims arising out of this purchase order be subject to exclusive jurisdiction of Courts at Ahmedabad.

Prepared By



phamp



01/12/16 30/11/2016

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
1)	EL01100041	Control Console Panel:		
		Design, manufacture, supply, installation, testing and commissioning of desk type control console cum annunciation panel to be installed in the engineer's cabin / AC Plant Room. This panel shall contain various indications and controls for the central air conditioning system. This central control cum-indicating panel contain all accessories including control relays, timers, contactors, indications, push buttons, annunciation windows, etc. quoted price shall include the required conduits and control wiring from remote equipment to the central console panel as required & approved by the engineer incharge.		
a)		Push buttons for remote start / stop and status indication for 08 Nos. air handling units for all OT's, 26 Nos. air handling units for remaining areas.		
b)		Hooter, mute switch and flashing lights for any of the fault annunciation and a pilot switch for testing that all indicating lamps are in working order.		
c)		Central control cum indicating panel as described above.	Set	1
Note : The Qtys of AHU's shall be revised based on final drawings				
2		MAIN LT PANEL & SUB LT PANELS		
21	EL01100042	MAIN LT PANEL	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Main L.T. Panel fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		The LT Panel shall have PLC based feature of Auto / Manual start / stop & Load managing system for 2 Nos. PCCM (PCC 3100 or equipment) based 750 KVA DG Sets. PCCM shall be provided by the DG Set supplier, however the LT Panel shall have PLC based co-ordination for proper Load segregation of DG Sets for synchronising.		
		INCOMERS :		
I)		Incomer from 1 No. 1600 KVA Compact Sub - Station		
		1 No. 2500 A Four Pole, Electrically operated 3 position drawout type Air Circuit Breaker with all inbuilt protections, with microprocessor based release, over current, earth fault, short circuit, Instantaneous short circuit, closing coil (220 V AC), trip coil (24 V DC), shunt trip release, Ics = Icu = Icw = 50 KA Breaking Capacity with all standard accessories i.e. auxillary switch with 4NO + 4NC contacts, cradle, handle, safety shutter in conformity with IS:60947.		
		The ACB shall be electrically interlocked with the bus coupler & DG incomers.		
		Protection, Metering and Indication :		
		1 No. Master Trip Relay		
		1 No. Relay Protection against Under / Over Voltage		
		1 No. Reverse Phase Relay		
		1 No. Restricted Earth Fault Relay		
		1 No. Anti Pumping Relay		
		1 No. Relay for Alarm / Annunciator		
		1 No. 8 Window Annunciator		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 Set of ACB ON-OFF-TRIP Indication Lamps with 1 set 2A SP MCB.		
		1 No. Multi Function Meters with 1 Set of CTs (Ratio 2500/5-5A) Class 5 P10 (P), Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
		1 No. of 40 KVAR, 480 V, Box Type Heavy Duty Fixed capacitor banks each controlled with 80 A TP MCCB (Ics=10KA) with S/C,O/C, E/F protections.		
		Control and Indication :		
		1 No. ON-OFF Indication Lamp with 1 set 2A SP MCB.		
		1 No. Selector switch for Auto / Manual operation of capacitor bank.		
		1 Set of Push Buttons for Manual operation of Capacitor Bank.		
II)		1 Nos. Incomer from 750 KVA DG Sets (1 no. Cubical no ACB)		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		1 Nos. 1250 A Three Pole + Neutral Contractor, Electrically operated 3 position drawout type Air Circuit Breaker with all inbuilt protections, with microprocessor based release, over current, earth fault, short circuit, Instantaneous short circuit, closing coil (220 V AC), trip coil (24 V DC), shunt trip release, Ics = Icu = Icw = 50 KA Breaking Capacity with all standard accessories i.e. auxillary switch with 4NO + 4NC contacts, cradle, handle, safety shutter in confirmity with IS:60947		
		The ACB shall be electrically interlocked with the bus coupler & Transformer incomer.		
		Protection, Metering and Indication :		
		2 Nos. IDMT (2 O/C + 1 E/F) Relay		
		2 Nos. Restricted Earth Fault Relay		
		2 Nos. Master Trip Relay		
		2 Nos. Reverse Power Relay		
		2 Nos. Anti Pumping Relay		
		2 Nos. Relay for Alarm / Annunciator		
		2 Sets of R,Y,B phase Indication Lamps with 2 sets 2A SP MCBs.		
		2 Sets of ACB ON-OFF-TRIP Indication Lamps with 2 sets 2A SP MCBs.		
		2 Nos. Multi Function Meters with 2 Sets of CTs (Ratio 1250/5-5A) Class 5 P10 (P), Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
III)	EL01100043	CAPACITOR BANK :- 520 KVAR	No.	1
a)		INCOMER		
		1 No. 1000 A Three Pole, Electrically operated 3 position drawout type Air Circuit Breaker with all inbuilt protections, with microprocessor based release, over current, earth fault, short circuit, Instantaneous short circuit, closing coil (220 V AC), trip coil (24 V DC), shunt trip release, Ics = Icu = Icw = 50 KA Breaking Capacity with all standard accessories i.e. auxillary switch with 4NO + 4NC contacts, cradle, handle, safety shutter in confirmity with IS:60947.		
		Relay and Indication :		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Micro processor based automatic power factor control relay (including power factor meter) in 12 steps for automatic cut off or add on capacitor units to keep the power factor at 0.98 with variation of loads. All associated auxillary contactors / relays shall be provided with in the scope of work.		
b)		CAPACITOR BANK OUTGOINGS :		
i)		6 Nos. of 50 KVAR, 480 V, Box Type Heavy Duty capacitor bank each controlled with 100 A TP MCCBs, Ics=15 KA with TM release having Short Circuit & Over Current protections and TP Capacitor Duty Contactor of appropriate rating.		
		Control and Indication :		
		6 Nos. ON-OFF Indication Lamp with 6 sets 2A SP MCBs.		
		6 Nos. Selector switch for Auto / Manual operation of capacitor bank.		
		6 Sets of Push Buttons for Manual operation of Capacitor Bank.		
ii)		5 Nos. of 40 KVAR, 480 V, Box Type Heavy Duty capacitor bank each controlled with 80 A TP MCCBs, Ics=15 KA with TM release having Short Circuit & Over Current protections and TP Capacitor Duty Contactor of appropriate rating.		
		Control and Indication :		
		5 Nos. ON-OFF Indication Lamp with 5 sets 2A SP MCBs.		
		5 Nos. Selector switch for Auto / Manual operation of capacitor bank.		
		5 Sets of Push Buttons for Manual operation of Capacitor Bank.		
iii)		1 No. of 20 KVAR, 480 V, Box Type Heavy Duty capacitor bank each controlled with 63 A TP MCCBs, Ics=15 KA with TM release having Short Circuit & Over Current protections and TP Capacitor Duty Contactor of appropriate rating.		
		Control and Indication :		
		1 No. ON-OFF Indication Lamp with 1 set 2A SP MCB.		
		1 No. Selector switch for Auto / Manual operation of capacitor bank.		
		1 Set of Push Buttons for Manual operation of Capacitor Bank.		
		Bus Bar : 1200 A TP 'AI' Bus Bar		
		OUTGOINGS :		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
i)		2 No. 2000 A Four Pole, Electrically operated 3 position drawout type Air Circuit Breaker with all inbuilt protections, with microprocessor based release, over current, earth fault, short circuit, instantaneous short circuit, closing coil (220 V AC), trip coil (24 V DC), shunt trip release, Ics = Icu = Icw = 50 KA Breaking Capacity with all standard accessories i.e. auxillary switch with 4NO + 4NC contacts, cradle, handle, safety shutter in conformity with IS:60947.		
		Metering and Indication :		
		2 Sets of ACB ON-OFF Indication Lamps 2 sets with 2A SP MCBs.		
		2 Nos. Multi Function Meters with 2 Sets of CTs (Ratio 2000/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
ii)		2 No. 1000 A Three Pole, Electrically operated 3 position drawout type Air Circuit Breaker with all inbuilt protections, with microprocessor based release, over current, earth fault, short circuit, instantaneous short circuit, closing coil (220 V AC), trip coil (24 V DC), shunt trip release, Ics = Icu = Icw = 50 KA Breaking Capacity with all standard accessories i.e. auxillary switch with 4NO + 4NC contacts, cradle, handle, safety shutter in conformity with IS:60947.		
		Metering and Indication :		
		2 Sets of ACB ON-OFF Indication Lamps 2 sets with 2A SP MCBs.		
		2 Nos. Multi Function Meters with 2 Sets of CTs (Ratio 1000/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
iii)		1 No. 500 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 No. Multi Function Meters with 1 Set of CTs (Ratio 500/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
iv)		1 No. 400 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
v)		4 Nos. 315 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		4 Sets of MCCB ON-OFF Indication Lamps 4 sets with 2A SP MCBs.		
		3 Nos. Multi Function Meters with 3 Sets of CTs (Ratio 315/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
vi)		5 Nos. 250 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		5 Sets of MCCB ON-OFF Indication Lamps 5 sets with 2A SP MCBs.		
		4 Nos. Multi Function Meters with 4 Sets of CTs (Ratio 250/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
vii)		3 Nos. 80A, 4P, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
		Metering and Indication :		
		3 Sets of MCCB ON-OFF Indication Lamps with 3 sets 2A SP MCBs.		
		2 Nos. Ammeter with selector switch with 2 sets of 80/5 A CL-1 CTs (cast resin) as required.		
viii)		2 Nos. 63A, 4P, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
		Metering and Indication :		
		2 Sets of MCCB ON-OFF Indication Lamps with 2 sets 2A SP MCBs.		
		2 Nos. Ammeter with selector switch with 2 sets of 63/5 A CL-1 CTs (cast resin) as required.		
ix)		1 No. 63 A, TP, Ics = 15 KA MCB.		
x)		1 No. 40 A, 4P, Ics = 15 KA MCB.		

15

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
xi)		3 Nos. 32 A, TP, Ics = 15 KA MCBs. BUS COUPLER - 1250 A, 4P, 50 KA, ACB Electrical Interlocking for Transformer, D.G. Sets and Bus - Coupler operation. Main LT Panel Bus Bar : 3000 A, TPN 'AI' Bus Bar		
22	EL01100044	LIFT PANEL Supply, Handling, Re-handling, Installation, Testing and Commissioning of Lift Panel fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:- INCOMER : i) 1 No. 250 A, 4P Auto change over switch. ii) 1 No. 250 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current. Metering and Indication : 1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB. 1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB. 1 No. Ammeter with selector switch with 1 set of 250/5 A CL-1 CTs (cast resin) as required. 1 No. Voltmeter with selector switch. OUTGOING : i) 8 Nos. 63 A, TP, Ics = 10 KA MCBs. Main Bus Bar : 300 A, TPN 'AI' Bus Bar	No.	1
23	EL01100045	PLUMBING PANEL Supply, Handling, Re-handling, Installation, Testing and Commissioning of Plumbing Panel fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:- INCOMER : 1 No. 315 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current. Metering and Indication : 1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB. 1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB. 1 No. Ammeter with selector switch with 1 set of 315/5 A CL-1 CTs (cast resin) as required. 1 No. Voltmeter with selector switch. OUTGOING : i) 2 Nos. 100A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current. 1 No. Star / Delta Starter with motor protections for 40 KW. ii) 5 Nos. 63A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current. 4 Nos. Star / Delta Starter with motor protections for 15 KW. iii) 3 Nos. 40A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current. 2 Nos. Star / Delta Starter with motor protections for 7 KW. iv) 16 Nos. 32A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current. 16 Nos. Direct On Line (D.O.L.) Starter with motor protections for up to 5 KW. Main Bus Bar : 400 A, TPN 'AI' Bus Bar	No.	1
24	EL01100046	FIRE FIGHTING PANEL	No.	1

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Fire Fighting Panel fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 500 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 500/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		3 Nos. 250 A TP, Ics = 25 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit & Over Current.		
		2 Nos. Star / Delta Starter with motor protections for 100 KW.		
ii)		3 Nos. 63A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current.		
		2 Nos. Star / Delta Starter with motor protections for 15 KW.		
iii)		3 Nos. 32A TP, Ics = 10 KA, MCBs.		
		Main Bus Bar : 600 A, TPN 'AI' Bus Bar		
25	EL01100047	UPS PANEL FOR OT's LOAD	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of UPS Panel for OT's Load, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
i)		1 No. ATS, 4-pole 63 A, 15 KA, overlapping Neutral with provision of bypass facility and manual operation in case of auto failure.		
ii)		1 No. 63 A TP, Ics = 15 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Multi Function Meter with 1 Set of CTs (Ratio 63/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
		OUTGOING :		
i)		3 Nos. 40 A, 4P, Ics = 10 KA MCBs.		
ii)		4 Nos. 32 A, 4P, Ics = 10 KA MCBs.		
		Main Bus Bar : 100 A, TP + 2 N 'Cu' Bus Bar		
26	EL01100048	UPS PANEL FOR LIGHTING & POWER LOAD	No.	1

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of UPS Panel for Lighting & Power Load, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
i)		1 No. ATS, 4-pole 80 A, 15 KA, overlapping Neutral with provision of bypass facility and manual operation in case of auto failure.		
ii)		1 No. 80 A TP, Ics = 15 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Multi Function Meter with 1 Set of CTs (Ratio 80/5A) Class 1.0 (M) (cast resin) as required. Multi Function Meter shall be communicable type & compatible with BMS.		
		OUTGOING :		
i)		31 Nos. 63 A, TP, Ics = 10 KA MCBs.		
		Main Bus Bar : 100 A, TP + 2 N 'Cu' Bus Bar		
27	EL01100049	MECH. PARKING PANEL FOR BASEMENT - 3	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Mech. Parking Panel for Basement -3, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 80A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		46 Nos. 10 A, TP, Ics = 10 KA MCBs.		
		Main Bus Bar : 150 A, TPN 'Al' Bus Bar		
28	EL01100050	MECH. PARKING PANEL FOR BASEMENT - 2	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Mech. Parking Panel for Basement -2, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 80A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
i)		51 Nos. 10 A, TP, Ics = 10 KA MCBs.		
		Main Bus Bar : 150 A, TPN 'AI' Bus Bar		
		1 No. Ammeter with selector switch with 1 set of 125/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		3 Nos. 40A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		5 Nos. 32A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iii)		2 Nos. 16 A, SP, Ics = 10 KA MCBs.		
		Main Bus Bar : 150 A, TPN 'AI' Bus Bar		
21.00	EL01100051	AUTOCLAVE PANEL	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Autoclave Panel, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 200A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 200/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		4 Nos. 100A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
ii)		2 Nos. 16 A, SP, Ics = 10 KA MCBs.		
		Main Bus Bar : 300 A, TPN 'AI' Bus Bar		
211	EL01100052	MAIN AC PANEL	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Main AC Panel, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		2 Nos. 1000 A. Three Pole, Electrically operated 3 position drawout type Air Circuit Breaker with all inbuilt protections, with microprocessor based release, over current, earth fault, short circuit, Instantaneous short circuit, closing coil (220 V AC), trip coil (24 V DC), shunt trip release, Ics = Icu = Icw = 50 KA Breaking Capacity with all standard accessories i.e. auxillary switch with 4NO + 4NC contacts, cradle, handle, safety shutter in conformity with IS:60947		
		2 sets of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of Main HVAC Panel as required.		
		Metering and Indication :		
		2 Sets of MCCB ON-OFF Indication Lamps 2 sets 2A SP MCBs.		
		2 Sets of R,Y,B phase Indication Lamps with 2 sets 2A SP MCBs.		
		2 Nos. Ammeter with selector switch with 2 sets of 1000/5 A CL-1 CTs (cast resin) as required.		
		2 Nos. Voltmeter with selector switch.		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		OUTGOING :		
i)		3 Nos. 500 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
ii)		3 Nos. 100A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current. 3 Nos. Star / Delta Starter with motor protections for 30 KW.		
iii)		4 Nos. 63A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iv)		8 Nos. 40A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current. 6 Nos. Star / Delta Starter with motor protections for 11.2 KW.		
		BUS COUPLER - 800 A, TP, 50 KA, ACB		
		Electrical & Mech. Interlocking		
		Main Bus Bar : 1200 A, TPN 'AI' Bus Bar		
212.00	EL01100053	AHU PANEL FOR O.T's	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of AHU Panel for O.T's at Service Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		2 Nos. 250 A TP, Ics = 25 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		2 Sets of MCCB ON-OFF Indication Lamps with 2 sets 2A SP MCBs.		
		2 Sets of R,Y,B phase Indication Lamps with 2 sets 2A SP MCBs.		
		2 Nos. Ammeter with selector switch with 2 sets of 250/5 A CL-1 CTs (cast resin) as required.		
		2 Nos. Voltmeter with selector switch.		
		OUTGOING :		
i)		10 Nos. 40A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		10 Nos. 20 A, TP, Ics = 10 KA MCBs.		
		Main Bus Bar : 300 A, TPN 'AI' Bus Bar		
		BUS COUPLER - 200 A, TP, 25 KA, MCCB		
213	EL01100054	MECH. VENTILATION PANEL	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Mech. Ventilation Panel, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		2 No. 315 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		2 Sets of MCCB ON-OFF Indication Lamps with 2 sets 2A SP MCBs.		
		2 Sets of R,Y,B phase Indication Lamps with 2 sets 2A SP MCBs.		
		2 Nos. Ammeter with selector switch with 2 sets of 315/5 A CL-1 CTs (cast resin) as required.		
		2 Nos. Voltmeter with selector switch.		

B

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		OUTGOING :		
i)		1 No. 200A TP, Contactors.		
ii)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of Lift Well Pressurization Panel as required.		
iii)		2 Nos. 100A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iv)		15 Nos. 32 A, TP, Ics = 10 KA MCBs.		
v)		15 Nos. 20 A, TP, Ics = 10 KA MCBs.		
		Emergency Bus Bar : 250 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 400 A, TPN 'AI' Bus Bar		
		BUS COUPLER - 200 A, TP, 25 KA, MCCB		
214	EL01100055	LIFT & FIRE ESCAPE STAIR CASES WELL PRESSURISATION PANEL	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Lift & Fire Escape Stair Cases Well Pressurisation Panel, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 100A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps with 1 set 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 100/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
i)		7 Nos. 20 A, TP, Ics = 10 KA MCBs.		
		Main Bus Bar : 150 A, TPN 'AI' Bus Bar		
215	EL01100056	LIFT DB	Nos.	6
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of Sub LT Panel for Lift DB, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3-phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 63A TP, Ics = 15 KA, MCB with thermal magnetic release with protection against Short Circuit & Over Current.		
		OUTGOING :		
i)		1 No. 63 A TP, Ics = 10 KA, MPCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		3 Nos. 20 A TP, Ics = 10 KA, MCB with thermal magnetic release with protection against Short Circuit & Over Current.		
		Main Bus Bar : 100 A, TPN 'AI' Bus Bar		
216	EL01100057	L & P PANEL FOR BASEMENT - 2 & 3	No.	1

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for Basement -2 & 3, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 630 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 630/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		2 Nos. 250A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		1 No. 125A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iii)		2 No. 100A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iv)		2 Nos. 100 A TP Contactor.		
v)		3 No. 80A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
vi)		4 Nos. 63 A, TP, Ics = 10 KA MCBs.		
vii)		6 Nos. 40 A, TP, Ics = 10 KA MCBs.		
viii)		6 Nos. 16 A, TP, Ics = 10 KA MCBs.		
ix)		11 Nos. 16 A, DP, Ics = 10 KA MCBs.		
x)		2 sets of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'A' Bus Bar - 2 Nos.		
		Main Bus Bar : 800 A, TPN 'A' Bus Bar		
217	EL01100058	L & P PANEL FOR BASEMENT - 1	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for Basement -1, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 630 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 630/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		2 Nos. 315 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
ii)		1 No. 200 A TP, Ics = 25 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
iii)		1 No. 80 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iv)		1 No. 80 A TP Contactor.		
v)		10 Nos. 63 A, TP, Ics = 10 KA MCBs.		
vi)		1 No. 40 A, TP, Ics = 10 KA MCB.		
vii)		6 Nos. 32 A, TP, Ics = 10 KA MCBs.		
viii)		2 Nos. 16 A, TP, Ics = 10 KA MCBs.		
ix)		1 No. 16 A, DP, Ics = 10 KA MCB.		
x)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 800 A, TPN 'AI' Bus Bar		
218	EL01100070	L & P PANEL FOR GROUND FLOOR	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for Ground Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 125A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 125/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		1 No. 80 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		1 No. 80 A TP Contactor.		
iii)		5 Nos. 63 A, TP, Ics = 10 KA MCBs.		
iv)		3 Nos. 40 A, TP, Ics = 10 KA MCBs.		
v)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
vi)		4 Nos. 16 A, TP, Ics = 10 KA MCBs.		
vii)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 200 A, TPN 'AI' Bus Bar		
219.00	EL01100060	L & P PANEL FOR FIRST FLOOR	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for First Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 125A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 125/5 A CL-1 CTs (cast resin) as required.		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		1 No. 80 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		1 No. 80 A TP Contactor.		
iii)		3 Nos. 63 A, TP, Ics = 10 KA MCBs.		
iv)		4 Nos. 40 A, TP, Ics = 10 KA MCBs.		
v)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
vi)		3 Nos. 16 A, TP, Ics = 10 KA MCBs.		
vi)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 200 A, TPN 'AI' Bus Bar		
22.00	EL01100061	L & P PANEL FOR SECOND FLOOR	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for Second Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 160A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 160/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		1 No. 80 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		1 No. 80 A TP Contactor.		
iii)		4 Nos. 63 A, TP, Ics = 10 KA MCBs.		
iv)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
v)		8 Nos. 16 A, TP, Ics = 10 KA MCBs.		
vi)		6 Nos. 16 A, DP, Ics = 10 KA MCBs.		
vii)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 200 A, TPN 'AI' Bus Bar		
221	EL01100062	L & P PANEL FOR THIRD FLOOR	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for Third Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 315 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		1 No. Ammeter with selector switch with 1 set of 315/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		2 Nos. 250 A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		1 No. 80 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iii)		1 No. 80 A TP Contactor.		
iv)		4 Nos. 63 A, TP, Ics = 10 KA MCBs.		
v)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
vi)		8 Nos. 16 A, TP, Ics = 10 KA MCBs.		
vii)		5 Nos. 16 A, DP, Ics = 10 KA MCBs.		
viii)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 400 A, TPN 'AI' Bus Bar		
222	EL01100063	L & P PANEL FOR SERVICE FLOOR	No.	1
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for Service Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 315 A TP, Ics = 35 KA, MCCB with microprocessor based release with integral adjustable protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 315/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		2 Nos. 200 A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
ii)		1 No. 100 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
iii)		1 No. 100 A TP Contactor.		
iv)		1 No. 80 A TP, Ics = 15 KA, MCCB with thermal magnetic release with protection against Short Circuit & Over Current.		
v)		5 Nos. 63 A, TP, Ics = 10 KA MCBs.		
vi)		6 Nos. 32 A, TP, Ics = 10 KA MCBs.		
vii)		3 Nos. 32 A, DP, Ics = 10 KA MCBs.		
viii)		2 Nos. 16 A, TP, Ics = 10 KA MCBs.		
ix)		5 Nos. 16 A, DP, Ics = 10 KA MCBs.		
x)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 150 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 400 A, TPN 'AI' Bus Bar		
223	EL01100064	L & P PANEL FOR 4TH, 5TH, 6TH, 7TH FLOOR	Nos.	4

Annexure-1

S. No.	Item Code	Description	UOM	QTY.
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for 4th, 5th, 6th, 7th Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 125A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 125/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		4 Nos. 63 A, TP, Ics = 10 KA MCBs.		
ii)		1 No. 63 A TP Contactor.		
iii)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
iv)		5 Nos. 16 A, TP, Ics = 10 KA MCBs.		
v)		21 Nos. 16 A, DP, Ics = 10 KA MCBs.		
vi)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 100 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 200 A, TPN 'AI' Bus Bar		
224	EL01100065	L & P PANEL FOR 8TH & 9TH FLOOR	Nos.	2
		Supply, Handling, Re-handling, Installation, Testing and Commissioning of L & P Panel for 8th & 9th Floor, fabricated out of 14 SWG CRCA steel sheet. The panel should be compartmentalized, free standing, floor mounted, dust and vermin proof. The panel shall be treated for anti corrosive processes (9 tank process) before powder coating. Cable gland plates shall be provided on bottom of the panel. Panels shall be suitable for 415 V, 3 phase 4 wire, 50 Hz supply. The panel should have lifting hooks & terminals for connecting double earthing. For Details refer attached specifications and drawing. The details of I/C & O/G feeders are as below:-		
		INCOMER :		
		1 No. 125A TP, Ics = 25 KA, MCCB with thermal magnetic release with protection against Short Circuit, Earth Fault, Over Current.		
		Metering and Indication :		
		1 Set of MCCB ON-OFF Indication Lamps 1 set with 2A SP MCB.		
		1 Set of R,Y,B phase Indication Lamps with 1 set 2A SP MCB.		
		1 No. Ammeter with selector switch with 1 set of 125/5 A CL-1 CTs (cast resin) as required.		
		1 No. Voltmeter with selector switch.		
		OUTGOING :		
i)		4 Nos. 63 A, TP, Ics = 10 KA MCBs.		
ii)		1 No. 63 A TP Contactor.		
iii)		3 Nos. 32 A, TP, Ics = 10 KA MCBs.		
iv)		4 Nos. 16 A, TP, Ics = 10 KA MCBs.		
v)		23 Nos. 16 A, DP, Ics = 10 KA MCBs.		
vi)		1 set of 1NO+1NC MCB type (0.5 module) Auxiliary contact suitable to be coupled with incomer of AHU feeder as required.		
		AHU feeder Bus Bar : 100 A, TPN 'AI' Bus Bar		
		Main Bus Bar : 200 A, TPN 'AI' Bus Bar		
227	EL01100068	Supply, Handling, Re-handling, Installing, Testing & Commissioning of Isolator Panel with 2 Nos. 2000 A, 4P Isolator, 50 KA of each complete with stands, cable end box for incoming and outgoing connection with bus ducts, gland plates, earthing, provision for mechanical pad locking.	No.	1