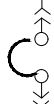
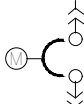
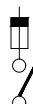


01		02		03		04		05		06		07		08		09	
DO NOT SCALE		CPRI APPROVED & AN ISO 9001 : 2015 CERTIFIED														IF IN DOUBT -- PLEASE ASK	
LEGENDS																	
S.No.	SYMBOL	DESCRIPTION		S.No.	SYMBOL	DESCRIPTION		S.No.	SYMBOL	DESCRIPTION							
1		CHANGE OVER SWITCH		15		AUX. CONTACTOR		29		NO CONTACT							
2		SWITCH DISCONNECTOR FUSE UNIT		16		TIMER		30		NC CONTACT							
3		CONTROL HRC/FUSE BASE		17		POWER FUSE		31		MOULDED CASE CIRCUIT BREAKER							
4		FIXED TYPE AIR CIRCUIT BREAKER		18		HOOTER		32		MOTOR PROTECTION CIRCUIT BREAKER							
5		MANUALLY OPERATED DRAW TYPE AIR CIRCUIT BREAKER		19		ELECTRICALLY OPERATED DRAW OUT TYPE AIR CIRCUIT BREAKER											
6		SWITCH FUSE UNIT		20		TRANSFORMER		33		BREAKER RELEASE							
7		OVER LOAD RELAY		21		GENERATOR		34		MINIATURE CIRCUIT BREAKER							
8		OVER LOAD RELAY NC CONTACT		22		ELECTRONIC KWH METER		35		CAPACITOR BANK							
9		CURRENT TRANSFORMER RESIN CAST		23		INDICATING LIGHT		36		BREAKER CONTROL SWITCH							
10		POTENTIAL TRANSFORMER		24		PUSH BUTTON		37		ILUMINATED PUSH BUTTON							
11		START PUSH BUTTON		25		TERMINALS		38		EARTH LEAKAGE CIRCUIT BREAKER							
12		STOP PUSH BUTTON		26		AMMETER/VOLTMETER WITH INBUILT SELECTOR SWITCH		39		AMMETER SELECTOR SWITCH/ VOLTMETER SELECTOR SWITCH							
13		NEUTRAL LINK		27		OVER VOLTAGE OR UNDER VOLATEGE RELAY		40		AUTO/MANUAL SELECTOR SWITCH/ PLC/MANUAL SELECTOR SWITCH							
14		POWER CONTACTOR		28		EARTHING		41		ENEREGY MANAGEMENT SYSTEM							

PANEL SIZE				HEIGHT -		LENGTH -		DEPTH -		AAA SWITCH GEAR		DRAWN BY		MANISH		TITLE		LEGENDS					
CABLE ENTRY		TOP				BOTTOM						CHECKED		F. HUSAIN		CLIENT		TELEPERFORMANCE		SCALE		N.T.S.	
PAINT SHADE		SIEMENS GRAY 7035		DOORS/COVERS & MAIN FRAME								APPROVED				PROJECT		CANDOR , NOIDA		REVISION			
PAINT SHADE		G.I.		MOUNTING PLATE								DRG. NO.		AAA/LEG./01		ARCHITECT		91 SQUARE FEET		JOB No.		AAA/TPF/3345	
PAINT SHADE		BLACK RAL 9001		BASE FRAME								DATE		22-01-2025		CONTRACTOR		INFINITY ENGINEERS PVT LTD		SHEET No.		1 OF 1	

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01		02		03		04		05		06		07		08		09	
DO NOT SCALE		CPRI APPROVED & AN ISO 9001 : 2015 CERTIFIED														IF IN DOUBT -- PLEASE ASK	
GENERAL NOTES :-																	
1.POWER SUPPLY CONDITIONS.																	
SYSTEM VOLTAGE		-		415V±10% 3Φ, 4W, 50 Hz ±5%													
CONTROL VOLTAGE		-		240V AC													
FAULT LEVEL		-		65/50/36/25/10KA FOR 1 SEC. (AS PER SLD)													
2.PANEL DESIGN/ CONSTRUCTION DETAILS.																	
DESIGN		I		NON-DRAWOUT													
MOUNTING				FLOOR MOUNTED / WALL MOUNTED													
CONSTRUCTION		-		MODULAR													
DEGREE OF PROTECTION		-		IP-54/IP-42 FOR INDOOR													
				IP-55/56 FOR OUTDOOR													
OPERATION		-		SINGLE FRONT													
INSTALLATION		-		INDOOR / OUTDOOR													
CABLE ENTRY		-		TOP / BOTTOM													
MINIMUM OPERATING HEIGHT		-		250 mm													
MAXIMUM OPERATING HEIGHT		-		1850 mm													
SEALING ARRANGEMENT		-		PDM/PE FORM RUBBER GASKET TO BE USED TO MAKE THE PANEL DUST AND VERMIN PROOF													
3.PAINTING																	
PRETREATMENT		-		9 TANK PRETREATMENT PLANT													
PAINT THICKNESS		-		60-80 MICRON DFT													
PAINT TYPE FOR INDOOR PANELS		-		POWDER COATING PPE													
PAINT TYPEFOR OUTDOOR PANELS		-		POWDER COATING PPE													
PAINT SHADE																	
ALL CRCA FABRICATED PARTS		-		RAL-7035													
BASE FRAME		-		RAL-9005													
4. LOCKING ARRANGEMENT																	
FEEDER FRONT DOORS		-		METTALIC LOCKS OPENABLE WITH KEY													
BUS BAR CHAMBER/ DOORS		-		ONE SIDE HINGED OTHER SIDE BOLTED													
5.FABRICATION DETAILS.																	
FABRICATION MATERIAL		I		CRCA POWDER COATED/ GPSP.													
BASE FRAME MATERIAL				C - CHANNEL FOR PMCC/ 3MM CRCA FOR MCC													
SHEET THICKNESS & DETAILS																	
a) FRAME		-		2 mm CRCA POWDER COATED													
b) EQUIPMENT MOUNTING PLATE		-		2 mm CRCA POWDER COATED/ GPSP													
c) TOP / BOTTOM COVER SHEET		-		1.6 mm CRCA POWDER COATED													
d) PARTITION/NON LOAD BEARING MEMEBR		-		1.6 mm POWDER COATED/ GPSP													
e) ANY OTHER LOAD BEARING MEMEBR		-		2 mm POWDER COATED/GPSP													
f) SHROUDING		-		1.2 mm POWDER COATED/GPSP													
				1.6/2 mm POLYCARBONATE SHEET													
g) FRONT DOOR		-		1.6 mm POWDER COATED													
h) REAR COVER		-		1.6 mm POWDER COATED													
i) REMOVABLE GLAND PLATE		-		2 mm GPSP/ MULTI CORE CABLE FOR PDB'S													
		-		3 mm GI FOR MULTI CORE CABLE FOR MAIN PANELS													
		-		3 mm AL. FOR SINGLE CORE CABLE													
ABOUT GPSP SHEET :																	
THIS IS HIGHLY CORROSION RESISTIVE WHICH DOES NOT NEED PAINTING, 20% MORE STRENGTH COMPARED TO CRCA, FIRE RESISTANCE , ENVIRONMENTAL FRIENDLY AS CAN BE RECYCLED.																	
6.BUS BAR DETAILS																	
MATERIAL		I		ALUMINIUM / COPPER AS PER SLD													
BUS BAR INSULATION				HEAT SHRINKABLE RED, YELLOW, BLUE AND BLACK COLOUR SLEEVE FOR R-PH, Y-PH, B-PH & NUTRAL RESPECTIVELY													
BUS BAR SUPPORTS		-		NON-HYGROSCOPIC, NON CARBONISING, CORROSION RESISTANT, SMC/ POLYAMIDE SUPPORTS													
MAX. TEMP. RISE OF BUS BARS		-		40°C ABOVE AMBIENT OF 45°C													
AIR CLEARANCES FOR MAIN BUS BARS																	
PHASE TO PHASE		-		25 mm (MIN.)													
PHASE TO NEUTRAL		-		25 mm (MIN.)													
PHASE TO EARTH		-		20 mm (MIN.)													
NEUTRAL TO EARTH		-		20 mm (MIN.)													

										TITLE	GENERAL NOTES				
PANEL SIZE		HEIGHT -		LENGTH -		DEPTH -			DRAWN BY	MANISH	CLIENT	TELEPERFORMANCE		SCALE	N.T.S.
CABLE ENTRY	TOP		BOTTOM			CHECKED	F. HUSAIN		PROJECT	CANDOR , NOIDA		REVISION			
PAINT SHADE	SIEMENS GRAY 7035	DOORS/COVERS & MAIN FRAME				APPROVED			CONSULTANT	91 SQUARE FEET					
PAINT SHADE	G.I.	MOUNTING PLATE				DRG. NO.	AAA/G.N1/01		ARCHITECT			JOB No.	AAA/TPF/3345		
PAINT SHADE	BLACK RAL 9001	BASE FRAME				DATE	22-01-2025		CONTRACTOR	INFINITY ENGINEERS PVT LTD		SHEET No.	1 OF 2		

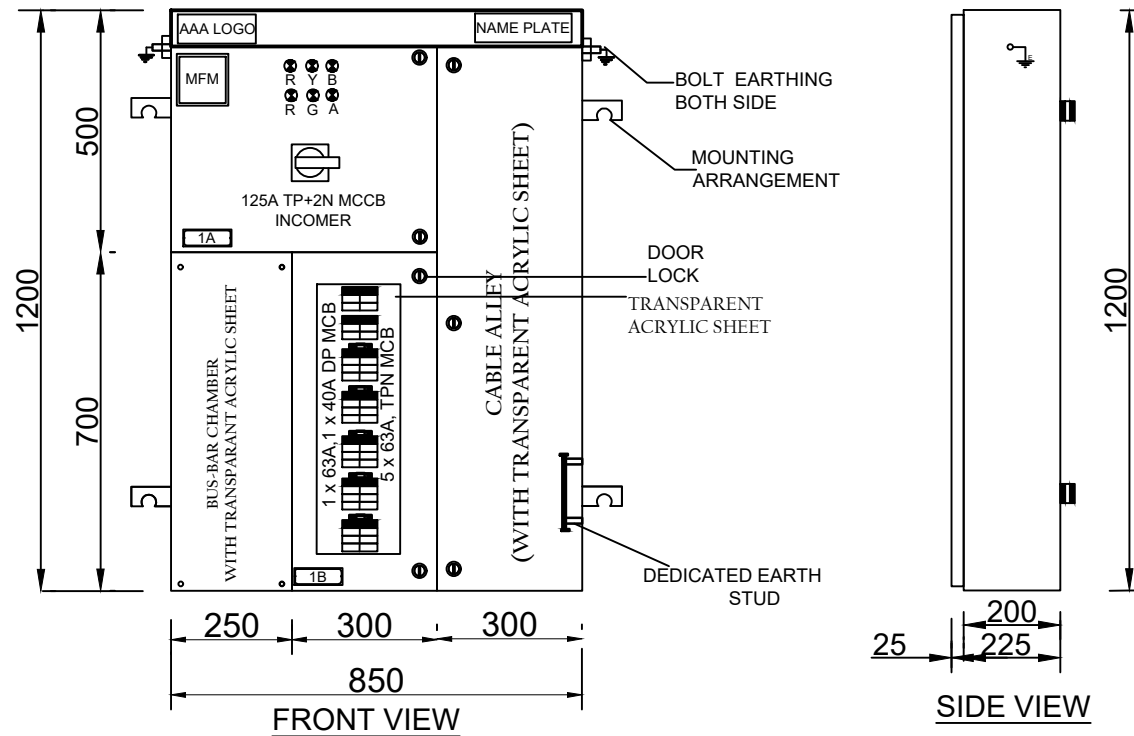
01	02	03	04	05	06	07	08	09
DO NOT SCALE			CPRI APPROVED & AN ISO 9001 : 2015 CERTIFIED					IF IN DOUBT -- PLEASE ASK
7.DOOR EARTHING 8.PANEL WIRING - AC VOLTAGE CIRCUIT CURRENT CIRCUIT AC CONTROL CIRCUIT DC CONTROL CIRCUIT POWER CIRCUIT FERRULING FOR BMS 9.WIRE INSULATION TYPE MAKE 10. LABELLING 11.FEEDER DESCRIPTION PLATE DETAILS PLATE SHALL BE MOUNTED ON BOTTOM MOST LEFT SIDE OF THE FEEDER DOOR. ALSO AT REAR SIDE OF THE PANEL WHERE REAR ACCES IS REQUIRED FOR OPERATION. FEEDER NO. 35 1A 1000A FEEDER DESCRIPTION 100 FEEDER RATING FONT SIZE 18pt. 12. TITLE NAME PLATE DETAIL FOR FLOOR MOUNTED PANEL 60 PANEL TITLE 200 FONT SIZE 40pt. 2.5 Sq. mm GREEN WIRE 1.5 Sq. mm RED,YELLOW,BLUE, & BLACK 2.5 Sq. mm RED,YELLOW,BLUE, & GREEN 1.5 Sq. mm BLACK 1.5 Sq. mm GREY MIN. 2.5 Sq. mm BLACK WITH COLOUR CODING COMPUTERIZED TUBE FERRULES WITH BLACK LETTERS ON WHITE BACKGROUND. 0.75 Sq. mm SHIELDED CABLE FRLS POLYCAB ANODISED ALUMINIUM PLATE, WHITE LETTERS ON BLACK BACKGROUND FOR EACH FEEDER AND PANEL ITSELF 13.DANGER STICKER DETAIL STICKER SHALL BE MOUNTED ON EACH BUSBAR CHAMBER DOOR AND LIVE PART INSIDE THE PANEL. 14.POWER AND CONTROL TERMINAL SHALL BE SEGREGATED FROM EACH OTHER. 15.ITEM LAYOUT SHOWN AT DOORS ARE FOR REFERENCE ONLY. ACTUAL MAY DIFFER. 16. QR CODE SHALL BE PLACED ON FIRST VERTICAL OF PANEL TO ACCES PDF COPY OF FOLLOWING DOCUMENTS: a) FINAL AS BUILT DRAWINGS. b) PANEL TEST CERTIFICATE. c) COMPONENT TEST CERTIFICATE 17. TESTING - FOLLOWING TEST SHALL BE CARRIED OUT ON COMPLETION OF PANEL : (a) INSULATION RESISTANCE TEST (b) HIGH VOLTAGE TEST (c) OPERATIONAL TEST (d) FUNCTIONAL TEST TITLE GENERAL NOTES								

PANEL SIZE	HEIGHT -		LENGTH -		DEPTH -	 AAA SWITCH GEAR	DRAWN BY	MANISH	TITLE	GENERAL NOTES		
CABLE ENTRY	TOP		BOTTOM				CHECKED	F. HUSAIN	CLIENT	TELEPERFORMANCE	SCALE	N.T.S.
PAINT SHADE	SIEMENS GRAY 7035	DOORS/COVERS & MAIN FRAME					APPROVED		PROJECT	CANDOR , NOIDA	REVISION	
PAINT SHADE	G.I.	MOUNTING PLATE					DRG. NO.	AAA/G.N2/02	CONSULTANT	91 SQUARE FEET	JOB No.	AAA/TPF/3345
PAINT SHADE	BLACK RAL 9001	BASE FRAME					DATE	22-01-2025	ARCHITECT	INFINITY ENGINEERS PVT LTD	SHEET No.	2 OF 2

BUS BAR DESCRIPTION FOR MCCB LINK

MCCB BUS - BAR SIZE FOR LINK INCOMER & OUTGOING		
S.NO	MCCB AMP RATING	ALUMINIUM BUS BAR SIZE FOR PHASE
1	63AMP MCCB	UNINYVIN / PVC FLEXIBLE WIRE
2	100AMP MCCB	1RUN - 20 x 6 BUS BAR
3	125AMP MCCB	1RUN - 25 x 06 BUS BAR
4	160AMP MCCB	1RUN - 25 x 10 BUS BAR
5	200AMP MCCB	1RUN - 25 x 10 BUS BAR
6	250AMP MCCB	1RUN - 25 x 12 BUS BAR
7	320AMP MCCB	1RUN - 40 x 10 BUS BAR
8	400AMP MCCB	1RUN - 40 x 12 BUS BAR
9	500AMP MCCB	2RUN - 40 x 10 BUS BAR
10	630AMP MCCB	2RUN - 40 x 10 BUS BAR
11	800AMP MCCB	2RUN - 50 x 10 BUS BAR
12	1000AMP MCCB	2RUN - 50 x 12 BUS BAR

MCCB BUS - BAR SIZE FOR LINK INCOMER & OUTGOING		
S.NO	MCCB AMP RATING	COPPER BUS BAR SIZE FOR PHASE
1	63AMP MCCB	UNINYVIN / PVC FLEXIBLE WIRE
2	100AMP MCCB	1RUN - 20 x 05 BUS BAR
3	125AMP MCCB	1RUN - 20 x 05 BUS BAR
4	160AMP MCCB	1RUN - 20 x 05 BUS BAR
5	200AMP MCCB	1RUN - 25 x 05 BUS BAR
6	250AMP MCCB	1RUN - 25 x 06 BUS BAR
7	320AMP MCCB	1RUN - 32 x 08 BUS BAR
8	400AMP MCCB	1RUN - 32 x 08 BUS BAR
9	500AMP MCCB	1RUN - 40 x 10 BUS BAR
10	630AMP MCCB	1RUN - 40 x 10 BUS BAR
11	800AMP MCCB	1RUN - 50 x 10 BUS BAR
12	1000AMP MCCB	1RUN - 50 x 12 BUS BAR

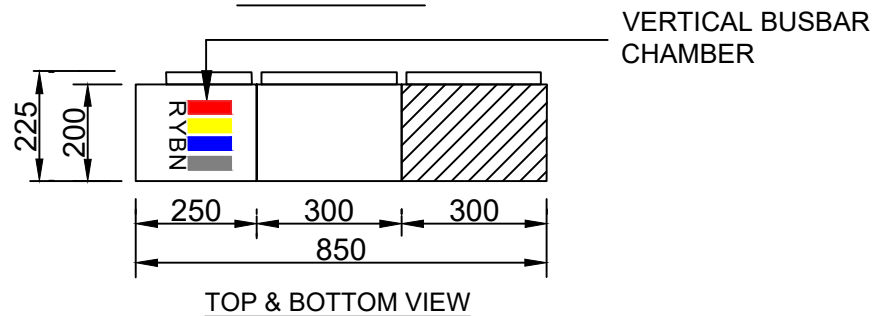


LEGENDS

- - RED PHASE INDICATING LIGHT
R
- - YELLOW PHASE INDICATING LIGHT
Y
- - BLUE PHASE INDICATING LIGHT
B
- - ON INDICATING LIGHT
R
- - OFF INDICATING LIGHT
G
- MF - MULTI FUNCTION METER
- - TRIP INDICATING LIGHT
A

GA NO.-8

CABLE ENTRY:-TOP & BOTTOM ONLY



MATERIAL 160A TP+2N CU BUSBAR

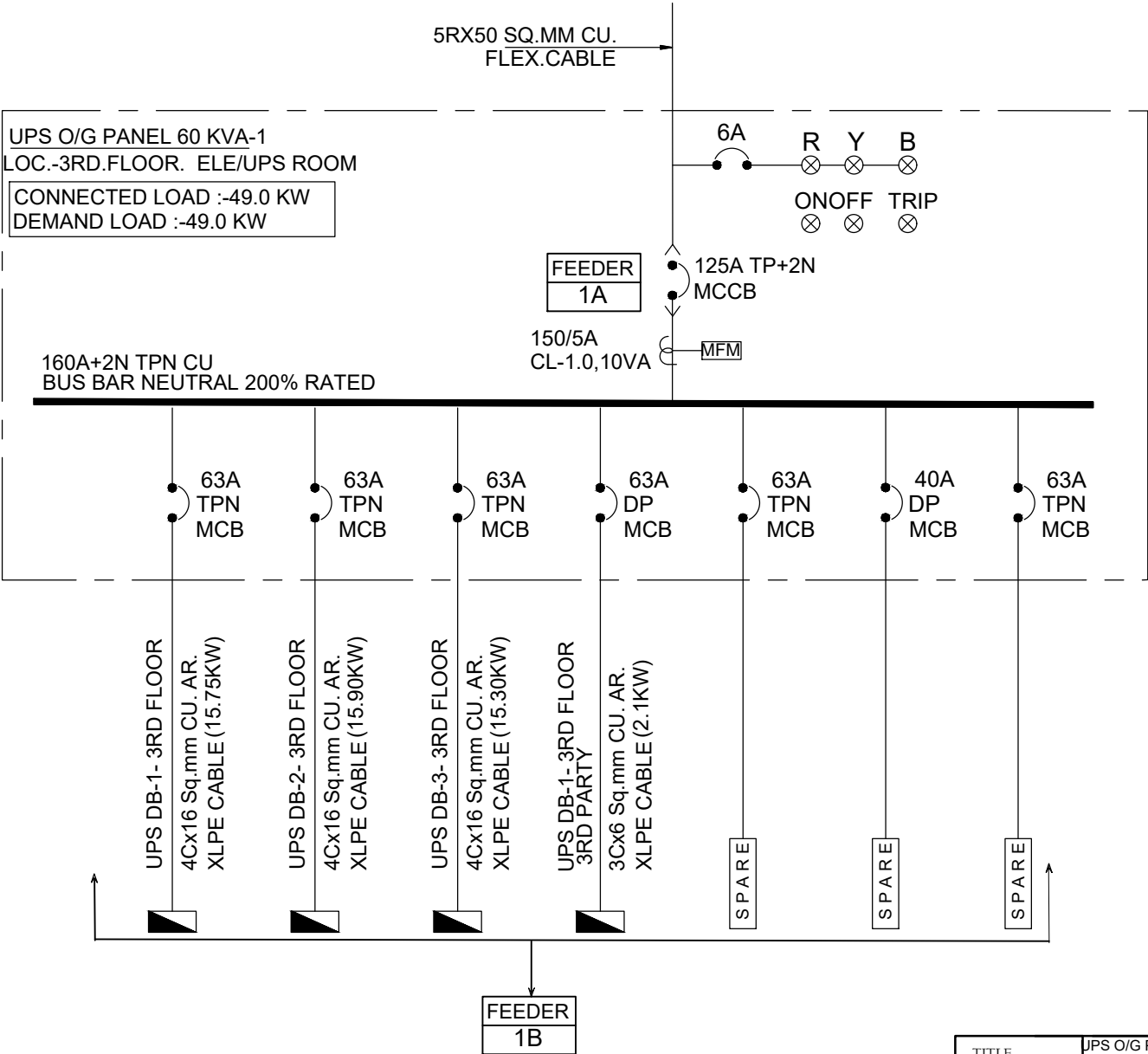
PHASE	1B x 20 x 05MM
NEUTRAL	2B x 20 x 05MM
BOLT EARTH	2B x 06 x 25MM

							TITLE		UPS O/G PANEL 60KVA-2 GENERAL ARRANGEMENT		QTY. - 2 No.	
PANEL SIZE	HEIGHT - 1200		LENGTH - 850	DEPTH - 225	 AAA SWITCH GEAR	DRAWN BY	MANISH	CLIENT	TELEPERFORMANCE		SCALE	N.T.S.
CABLE ENTRY	TOP	YES	BOTTOM	YES		CHECKED	F.HUSSAIN	PROJECT	CANDOR , NOIDA		REVISION	
PAINT SHADE	SIEMENS GRAY 7035	DOORS/COVERS & MAIN FRAME				APPROVED		CONSULTANT	31 SQUARE FEET			
PAINT SHADE	G.I.	MOUNTING PLATE				DRG. NO.	AAA/GA/3345/08	ARCHITECT			JOB No.	AAA/TPF/3345
PAINT SHADE	BLACK RAL 9001	BASE FRAME				DATE	21-01-2025	CONTRACTOR	INFINITY ENGINEERS PVT LTD		SHEET No.	1 OF 3



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								IB				TITLE		UPS O/G PANEL 60KVA-2 SINGLE LINE DIAGRAM		QTY-1NO	
PANEL SIZE								 AAA SWITCH GEAR		DRAWN BY	MANISH	CLIENT	TELEPERFORMANCE			SCALE	N.T.S.
CABLE ENTRY		TOP	YES	BOTTOM	YES	CHECKED	F.HUSSAIN			PROJECT	CANDOR , NOIDA			REVISION			
PAINT SHADE		SIEMENS GRAY 7035	DOORS/COVERS & MAIN FRAME			APPROVED				CONSULTANT	91 SQUARE FEET						
PAINT SHADE		G.I.	MOUNTING PLATE			DRG. NO.	AAA/SLD/3345/8			ARCHITECT	*****			JOB No.	AAA/TPF/3345		
PAINT SHADE		BLACK RAL 9005	BASE FRAME			DATE	22-01-2025			CONTRACTOR	INFINITY ENGINEERS PVT LTD			SHEET No.	1 OF 4		

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BILL OF MATERIALS

1	Feeder : I/C 125A TP MCCB UPS OG 60			
	Qty : 1	Qty	Family	Make
1.1	125A, 3P, 25kA, MCCB, with SACE Formula DSP, TMD / TMA Release, Type: P1C160	1	MCCB	ABB
1.2	Auxiliary Contact AUX Q+SY P1-P4 250V AC	2	MCCB Accessories	ABB
1.3	Rotary Handle, RHE P1-P2	1	MCCB Accessories	ABB
1.4	3P, Front extended spread terminal- 45mm, ES KIT ES P1 6pcs	1	MCCB Accessories	ABB
1.5	150/5A CL-1,VA-10 CURRENT TRANSFORMER	3	Current Transformer	Procom
1.6	EasyLogicEM6436H, VAF+ PF + Pow er & Energy Meter, Class accuracy 1.0, 01 RS485 port	1	Digital Meters	Schneider
1.7	Yellow , LED Indicating lamp Gen next Pro 22.5mm, suitable for operating at, 240V AC	1	Indicating Lamps	ESBEE
1.8	Amber, LED Indicating lamp Gen next Pro 22.5mm, suitable for operating at, 240V AC	1	Indicating Lamps	ESBEE
1.9	Blue, LED Indicating lamp Gen next Pro 22.5mm, suitable for operating at, 240V AC	1	Indicating Lamps	ESBEE
1.10	Green, LED Indicating lamp Gen next Pro 22.5mm, suitable for operating at, 240V AC	1	Indicating Lamps	ESBEE
1.11	Red, LED Indicating lamp Gen next Pro 22.5mm, suitable for operating at, 240V AC	2	Indicating Lamps	ESBEE
1.12	6A, 1P, 10kA, C Curve, MCB SB200 M, Type: SB201 M-C	4	MCB	ABB
2	Feeder : O/G UPS O/P PANEL 60 KVA-2			
	Qty : 1	Qty	Family	Make
2.1	40A, 2P, 10kA, D Curve, MCB SB200 M, Type: SB202 M-D	1	MCB	ABB
2.2	63A, 2P, 10kA, D Curve, MCB SB200 M, Type: SB202 M-D	1	MCB	ABB
2.3	63A, 3P, 10kA, D Curve, MCB SB200 M, Type: SB203 M-D	5	MCB	ABB
2.4	63A Neutral Link	5	Pow er Neutral Link	POWERMAT

							TITLE		UPS O/G PANEL 60KVA-2 BILL OF MATERIALS		QTY-1NO					
PANEL SIZE																
CABLE ENTRY		TOP	YES	BOTTOM		YES		DRAWN BY		MANISH	CLIENT		TELEPERFORMANCE	SCALE	N.T.S.	
PAINT SHADE		SIEMENS GRAY 7035	DOORS/COVERS & MAIN FRAME				CHECKED		F.HUSSAIN	PROJECT		CANDOR , NOIDA		REVISION		
PAINT SHADE		G.I.	MOUNTING PLATE				APPROVED			CONSULTANT		91 SQUARE FEET				
PAINT SHADE		BLACK RAL 9005	BASE FRAME				DRG. NO.		AAA/BOM/3345	ARCHITECTS		*****	JOB No.		AAA/TPF/3345	
PAINT SHADE							DATE		22-01-2025	CONTRACTOR		INFINITY ENGINEERS PVT LTD		SHEET No.		1 OF 4

