

NOTE: 1. DRAWING APPROVAL SUBJECT TO VALID TYPE TEST
 REPORTS, TO BE CHECKED DURING ACCEPTANCE TESTS
 2. FOR EPC CONTRACTS ONLY


(ALL DIMENSIONS ARE IN mm)

400KV CT MARSHALLING BOX

END USER : M/s. APTRANSCO
 CUSTOMER : AS APPLICABLE
 P.O. No. : AS APPLICABLE Drawing approval subject to valid vendor registration
 Manufacturer : M/s. SRINIVASA ENTRPRISES
 Quantity : AS APPLICABLE
 Drawing No. : SE / APTRANSCO / 400KV CT MB / 43 / 23-24

SH.NO.	DESCRIPTION	SHEET NO.
01	COVER SHEET	01 OF 06
02	CONSTRUCTION DETAILS	02 OF 06
03	TERMINAL BLOCKS DETAILS	03 OF 06
04	GENERAL ARRANGEMENT (1/2)	04 OF 06
05	GENERAL ARRANGEMENT (2/2)	05 OF 06
06	BILL OF MATERIALS	06 OF 06

**Chief Engineer/Projects
 APTRANSCO/Vs/Vijayawada.**

DESIGN & MFD BY :		NAME	SIGN	DATE	SCALE
	M/S.SRINIVASA ENTERPRISES	DRN.	Bindu		UNITS
	B-5, T.I.E. BALANAGAR	DGN.			
	HYDERABAD-500 037	APPD.	S.S.Rao		
PH.NO.092463 78045		DRAWING NO :			
EMAIL: somana123@yahoo.com		SE / APTRANSCO / 400KV CT MB / 43 / 23-24			
TITLE :		Sheet No : 01		No.of sheets : 06	
400KV CT MARSHALLING BOX					

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THIS SPECIFICATION COVERS A PART OF ELECTRICAL EQUIPMENT INCLUDING DESIGN MANUFACTURING, TEST AT SHOP AND LOADING FOR SHIPMENT ETC SPECIFIED HERE IN AFTER	
CLASSIFICATION	PROJECT: <input checked="" type="checkbox"/> DOMESTIC
APPLICABLE STANDARDS	IS <input checked="" type="checkbox"/> IS:3427
NORMAL SERVICE CONDITION	ALTITUDE : <input checked="" type="checkbox"/> < 1000M
	AMBIENT TEMPERATURE <input checked="" type="checkbox"/> 50°C
	RELATIVE HUMIDITY <input checked="" type="checkbox"/> 90%
STRUCTURE	MATERIAL : <input checked="" type="checkbox"/> ALUMINIUM
	TYPE OF APPLICATION : <input checked="" type="checkbox"/> OUTDOOR
	THICKNESS : <input checked="" type="checkbox"/> 3MM
	GLAND PLATE : <input checked="" type="checkbox"/> ALUMINIUM
	THICKNESS: <input checked="" type="checkbox"/> 3MM
	<input checked="" type="checkbox"/> ALUMINIUM
TYPE OF MOUNTING : <input checked="" type="checkbox"/> WALL	
IP PROTECTION CODE : <input checked="" type="checkbox"/> IP55	
POWDER COATING :	OUTSIDE <input checked="" type="checkbox"/> 631 OF IS-5
	INSIDE <input checked="" type="checkbox"/> GLOSSY WHITE
	PAINT THICKNES : <input checked="" type="checkbox"/> 60 MICRONS (MIN.)
	GASKET METERIAL : <input checked="" type="checkbox"/> CROSS LINKED POLY ETHYLENE
	ENCLOSURE DIMENSION : <input checked="" type="checkbox"/> 750(H) x 1350(W) x 325(D)
	WEIGHT OF ENCLOSURE : <input checked="" type="checkbox"/> APPROX. 70KGS.
CABLE ENTRY DETAILS:	CABLE ENTRY : <input checked="" type="checkbox"/> BOTTOM
INPECTION & TEST	<input checked="" type="checkbox"/> VISUAL INPECTION
	<input checked="" type="checkbox"/> FUNCTION TEST

SPECIFICATION OF WIRE			
1.1KV PVC INSULATED FLEXIBLE MULTISTRAND COPPER CABLE			
VOLTAGE LEVEL		<input checked="" type="checkbox"/> INLAND	WIRE SIZE
SINGLE PHASE 2 WIRE	PHASE	<input checked="" type="checkbox"/> RED	2.5 SQ.MM <input checked="" type="checkbox"/>
	NEUTRAL	<input checked="" type="checkbox"/> BLACK	
DOOR EARTH/GROUND		<input checked="" type="checkbox"/> GREEN STRIPPED <input checked="" type="checkbox"/> YELLOW	2.5 SQ.MM <input checked="" type="checkbox"/>

- * ALL DOOR & GLAND PLATES WILL BE GASKETTED WITH EPDM RUBBER
- * DISTANCE BETWEEN TWO HINGES SHALL NOT BE MORE THAN 300mm
- * ALL TERMINALS SHALL BE NUMBERED FROM TOP TO BOTTOM
- * EARTHING STUD SHALL BE SUITABLE FOR 50x6GI FLAT
- * FINAL PAINTING-POWDER COATING
- * CABLE ENTR-BOTTOM
- * DOOR EARTHING WILL BE DONE BY COPPER BRAIDS

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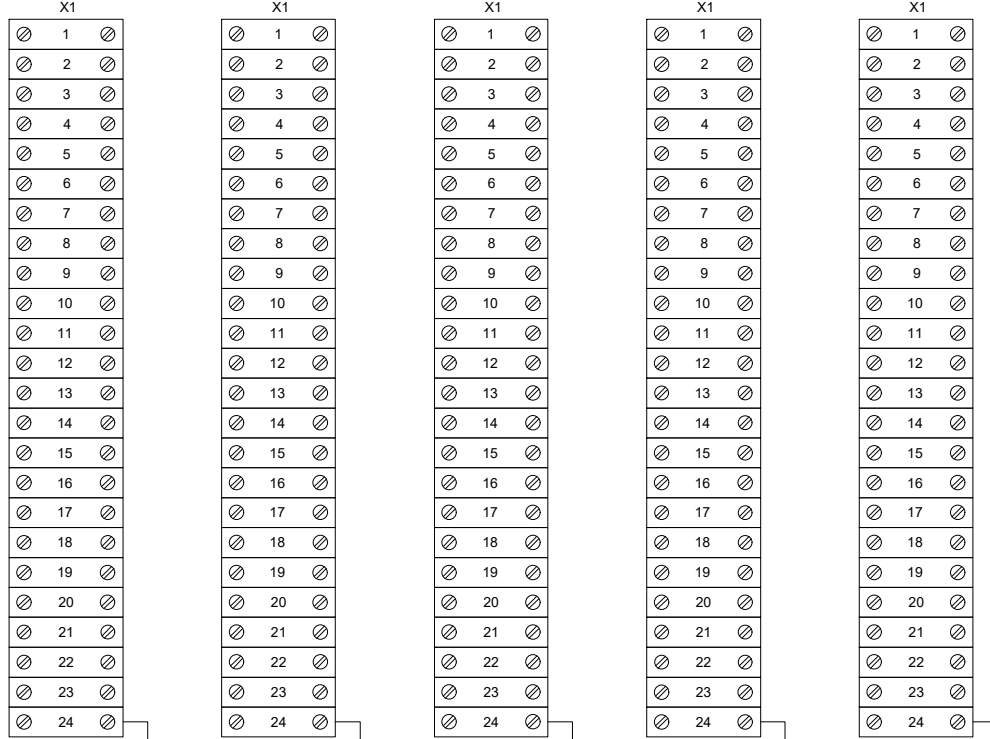
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DESIGN & MFD BY :		NAME	SIGN	DATE	SCALE
	M/S.SRINIVASA ENTERPRISES	DRN.	Bindu	12-03-2024	UNITS
	B-5, T.I.E. BALANAGAR	DGN.	Narasimham	12-03-2024	
	HYDERABAD-500 037	APPD.	S.S.Rao	12-03-2024	
	PH.NO.092463 78045				
EMAIL: somana123@yahoo.com		DRAWING NO :			
TITLE :		SE / APTRANSCO / 400KV CT MB / 43 / 23-24			
400KV CT MARSHALLING BOX		Sheet No : 02		No.of sheets : 06	

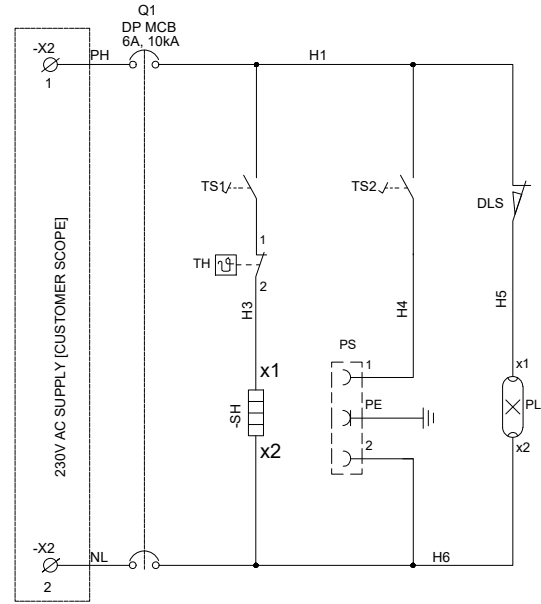
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TERMINAL BLOCKS-120 Nos




HEATER, SOCKET, DOOR LAMP CKT



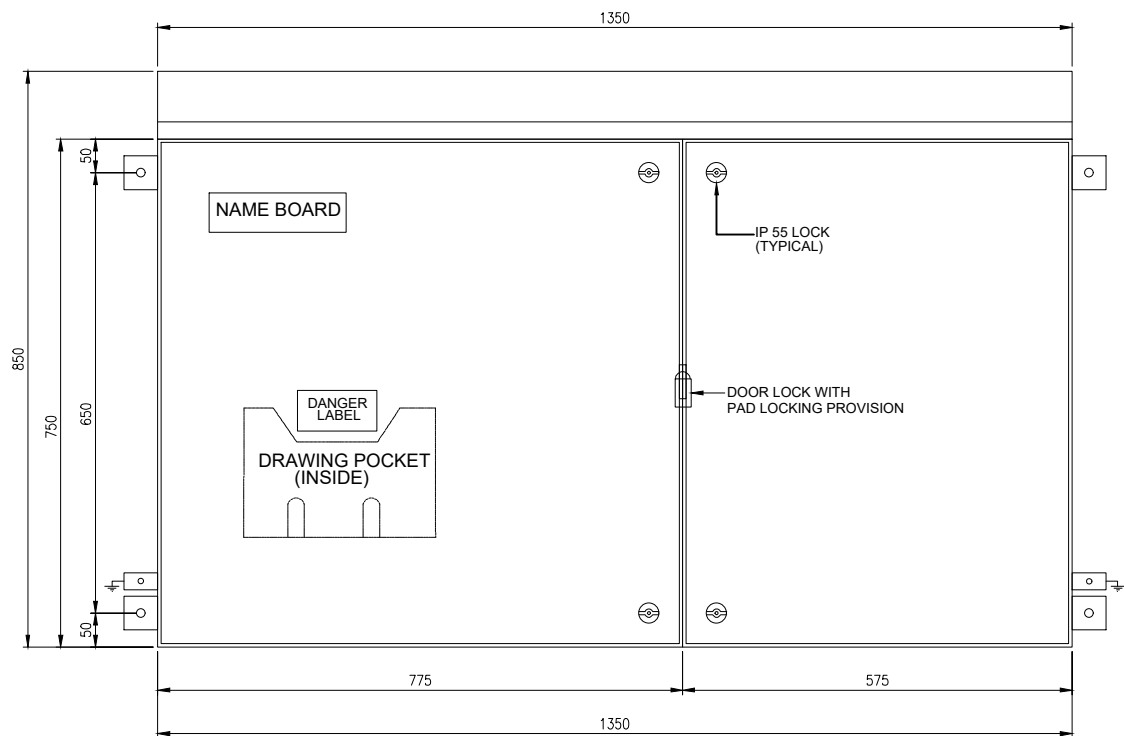
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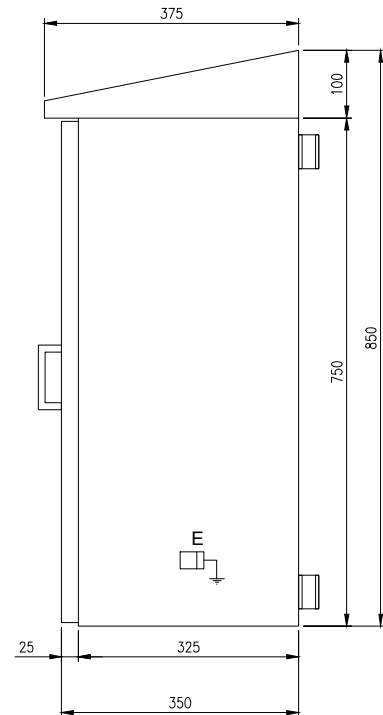
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		DGN.	Narasimham	12-03-2024	
		APPD.	S.S.Rao	12-03-2024	
TITLE :		DRAWING NO :			
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		Sheet No : 03		No.of sheets : 06	

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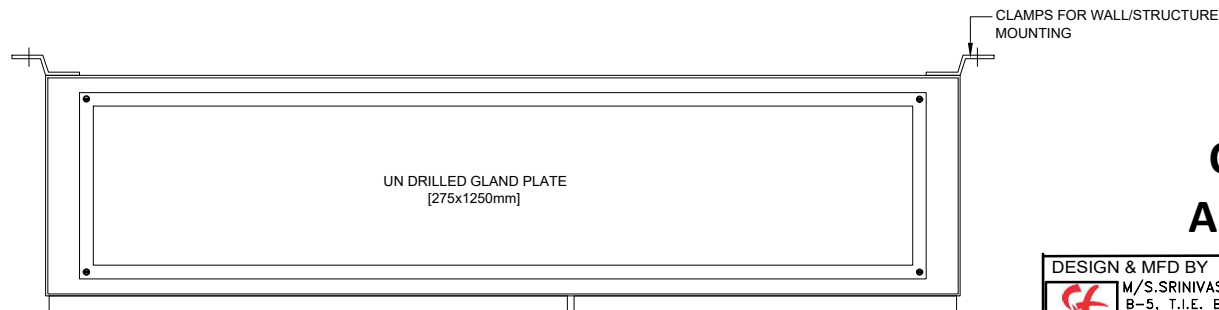
(ALL DIMENSIONS ARE IN mm)



FRONT VIEW
(DOOR CLOSED)




LH SIDE VIEW



BOTTOM VIEW

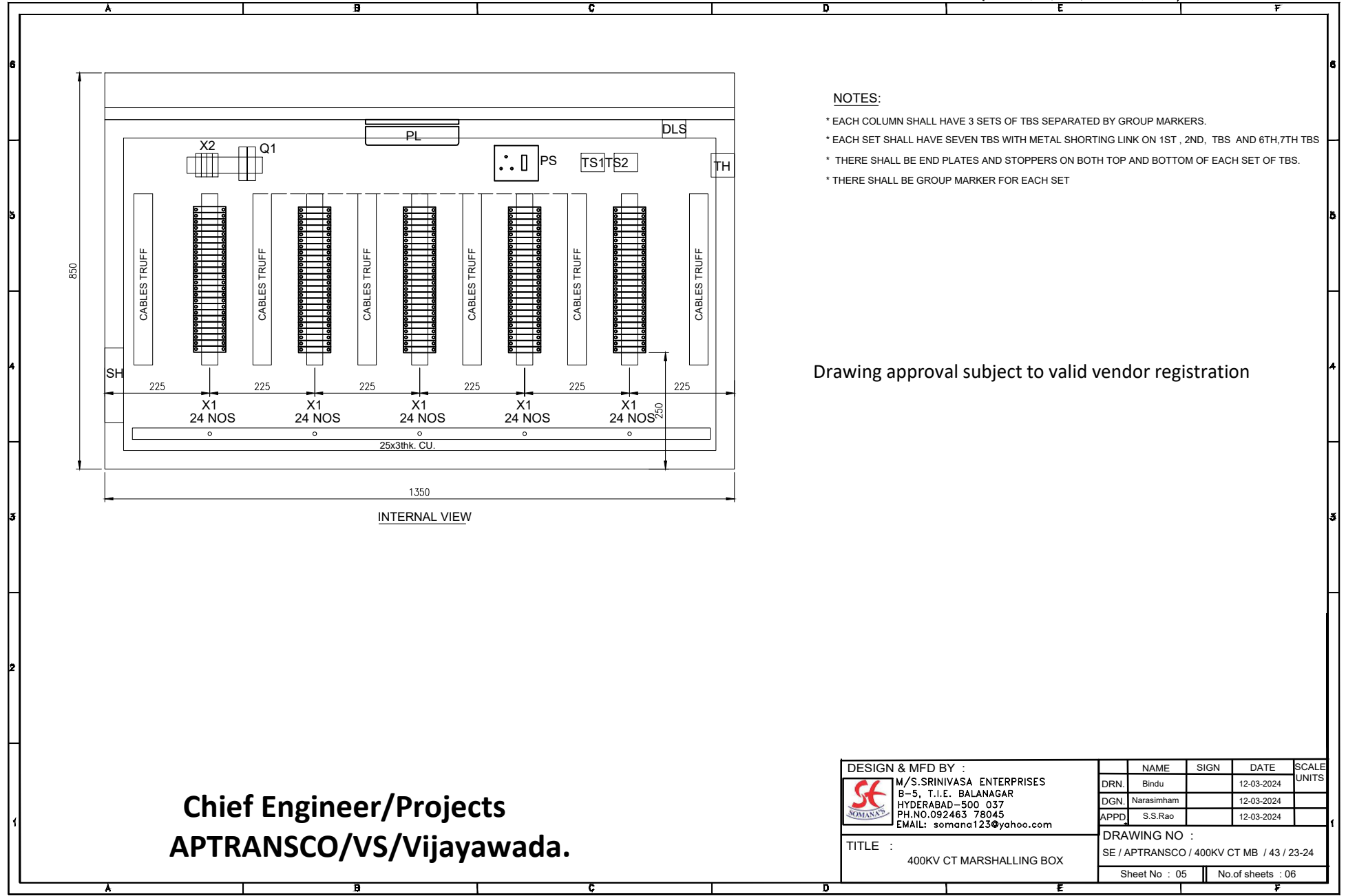
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	DRN.	Bindu		12-03-2024	UNITS
	DGN.	Narasimham		12-03-2024	
	APPD.	S.S.Rao		12-03-2024	
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NOTES:

- * EACH COLUMN SHALL HAVE 3 SETS OF TBS SEPARATED BY GROUP MARKERS.
- * EACH SET SHALL HAVE SEVEN TBS WITH METAL SHORTING LINK ON 1ST , 2ND, TBS AND 6TH,7TH TBS
- * THERE SHALL BE END PLATES AND STOPPERS ON BOTH TOP AND BOTTOM OF EACH SET OF TBS.
- * THERE SHALL BE GROUP MARKER FOR EACH SET

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	DGN.	Narasimham		12-03-2024	
	APPD.	S.S.Rao		12-03-2024	
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BILL OF MATERIALS

SI.No.	CKT Item Description	ITEM DESCRIPTION	QTY	UOM	Make
1	DLS	DOOR LIMIT SWITCH	1	NOS	STD vendor
2	PL	PANEL LAMP-5W LED	1	NOS	FINOLEX/CROMPTON/PHILLIPS
3	TH	THERMOSTAT (30-85 Deg.C) 15A-250VAC+1NC+BRACK	1	NOS	STD vendor/GIRISHEGO
4	SH	SPACE HEATER-100W-230V AC	1	NOS	GIRISHEGO/STD
5	Q1	MCB-6A-2P-10KA-AC - C Curve	1	NOS	L&T/HAVELLS/C&S/ELMEASURE
6	TS-1 & TS-2	TOGGLE SWITCH-PM-SPST-ON/OFF-10A	2	NOS	STD vendor
7	PS	PLUG AND SOCKET-240V,20A,2P+E	1	NOS	C&S/ANCHOR/STD
8	Earth Busbar	Bus bar-25x3Sq.mm Cu	As reqd	NOS	STD vendor
9	X1	Disconnecting Terminal Blocks-Power-41A-Single	120	NOS	ELMEX / CONNECTWELL
10	X2,1spare	Stud type Terminal Blocks-Power-57A-Single-M4	3	NOS	ELMEX / CONNECTWELL

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		SheetNo : 06		No.of sheets : 06	