

NOTE:-1.Drawings approval subject to valid test reports,  
to be checked during acceptance tests.  
2.For EPC contractors only.

(ALL DIMENSIONS ARE IN mm)

1.Interlinking Fuses shall be inserted only when a PT fails.

2.PT Secondaries shall not be paralleled. PTDB PANEL FOR 220KV PT

END USER :M/s. APTRANSCO

Drawing approval subject to valid vendor registration

CUSTOMER :AS APPLICABLE


PURCHASE ORDER No.:AS APPLICABLE

QTY :AS APPLICABLE

DRAWING NO. :SE / APTRANSCO / 220KV-PTDB / 04 / 23-24

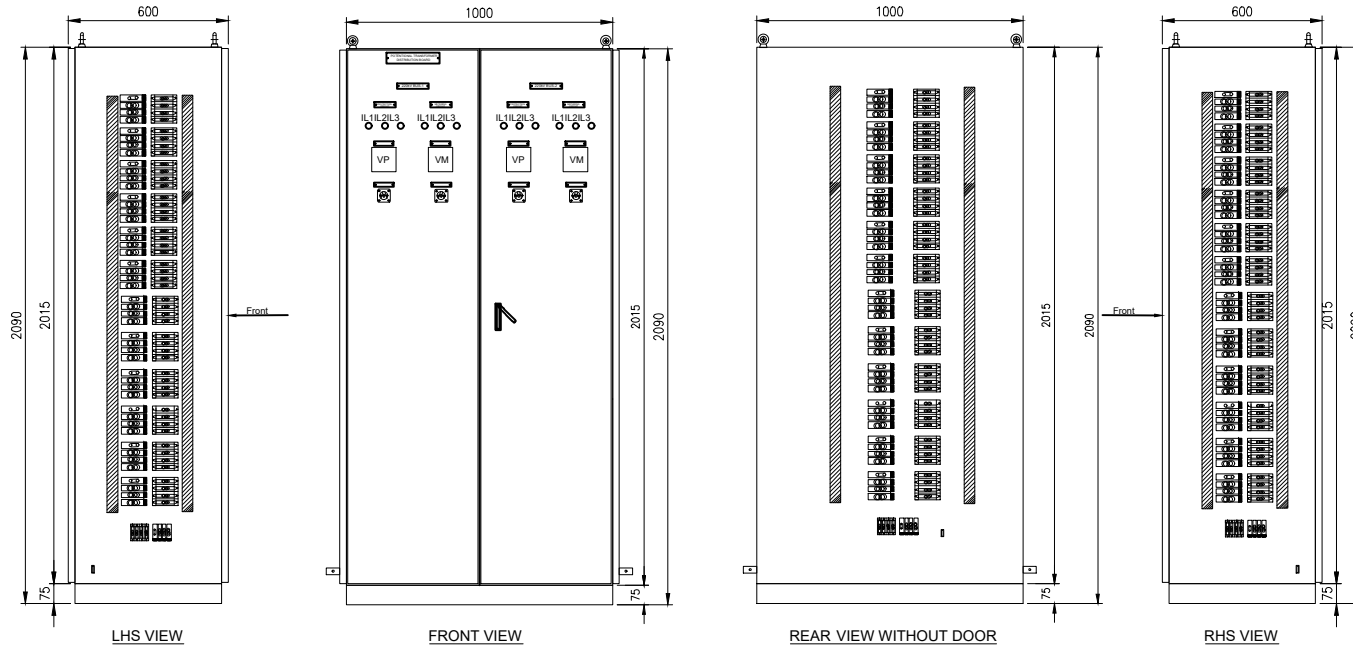
SH.NO.	DESCRIPTION	SHEET NO.	REV. No.
01	COVER & INDEX SHEET	01 OF 15	R4
02	GENERAL ARRANGEMENT	02 OF 15	R4
03	SINGLE LINE DIAGRAM	03 OF 15	R4
04	SINGLE LINE DIAGRAM	04 OF 15	R4
05	INCOMING POWER CIRCUIT	05 OF 15	R4
06	OUTGOING POWER CIRCUIT	06 OF 15	R4
07	INCOMING & OUTGOING POWER CIRCUIT	07 OF 15	R4
08	OUTGOING POWER CIRCUIT	08 OF 15	R4
09	OUTGOING POWER CIRCUIT	09 OF 15	R4
10	INCOMING POWER CIRCUIT	10 OF 15	R4
11	OUTGOING POWER CIRCUIT	11 OF 15	R4
12	INCOMING & OUTGOING POWER CIRCUIT	12 OF 15	R4
13	OUTGOING POWER CIRCUIT	13 OF 15	R4
14	OUTGOING POWER CIRCUIT	14 OF 15	R4
15	BILL OF METERIAL	15 OF 15	R4

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

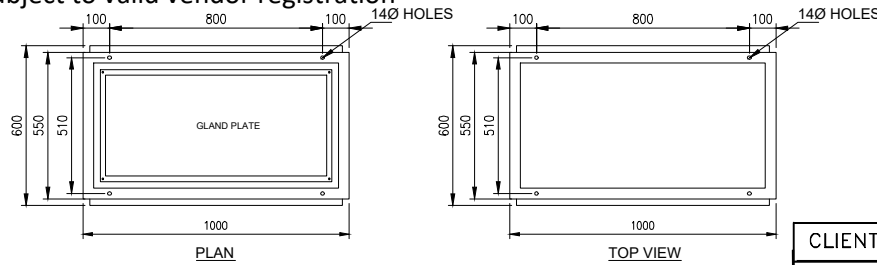
CLIENT : APTRANSCO					
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD					
DESIGN & MFD BY :		NAME	SIGN.	DATE	SCALE
	M/S.SRINIVASA ENTERPRISES	Bindu		15-04-2023	NTS
	B-5, T.I.E. BALANAGAR	Thomas		15-04-2023	
	HYDERABAD-500 037	S.S.Rao		15-04-2023	
PH.NO.092463 78045		APPT.			
EMAIL: somana123@yahoo.com		DRAWING NO:			
TITLE :		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24			
220 KV PT DB		Sheet No : 01			No. of sheets : 15

NOTE:-1. Drawings approval subject to valid type test reports,  
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Drawing approval subject to valid vendor registration



The following PVC Sticker shall be provided on the front side of the panel

1. Interlinking Fuses shall be inserted only when a PT fails.
2. PT Secondaries shall not be paralleled.

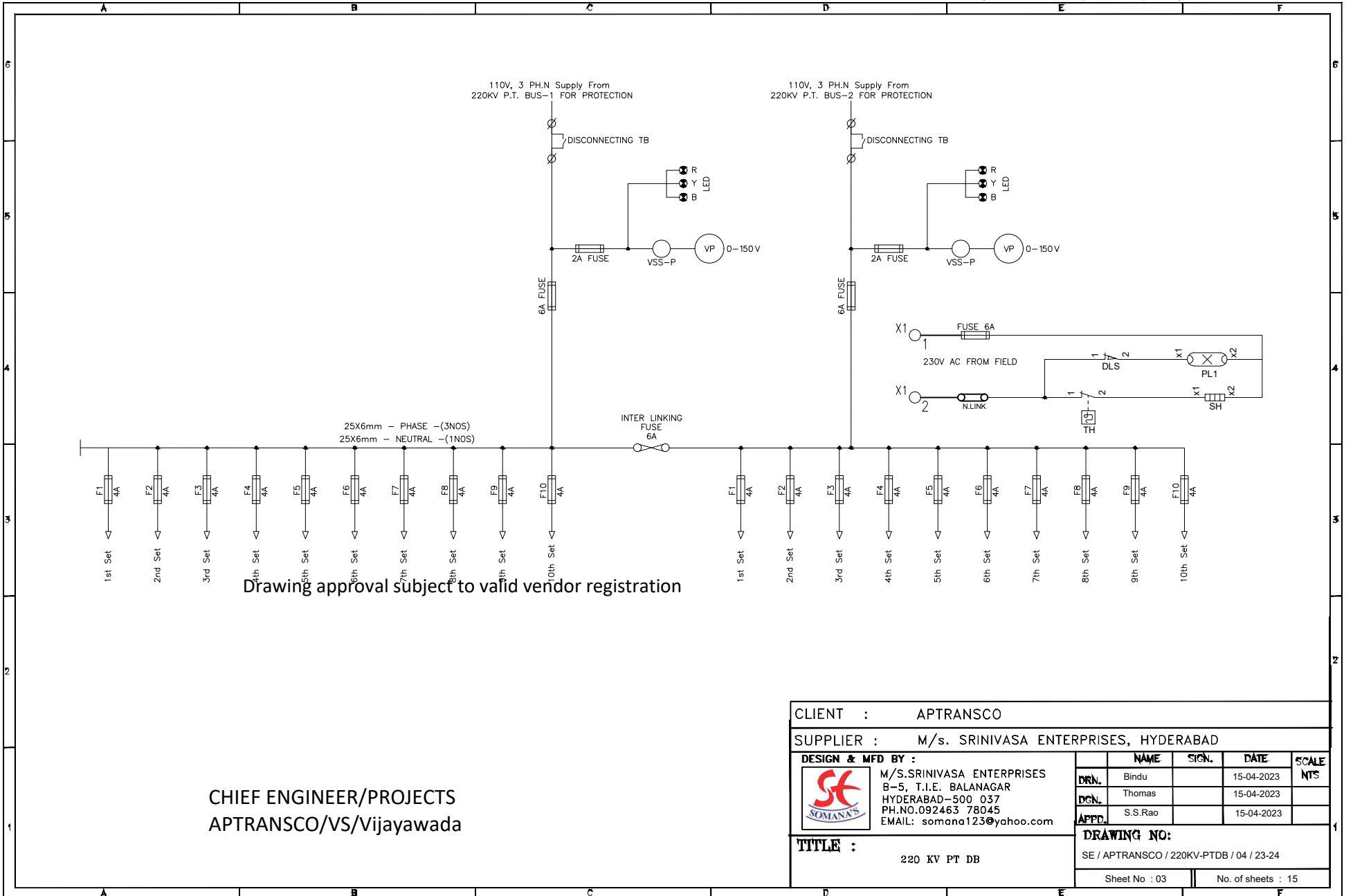
CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

- NOTE:
1. PANEL SHALL BE FABRICATED WITH 2mm CRCA SHEET
  2. IP PROTECTION : IP42
  3. PANEL COLOUR : 631 OF IS-5

CLIENT :		APTRANSCO		
SUPPLIER :		M/s. SRINIVASA ENTERPRISES, HYDERABAD		
DESIGN & MFD BY :		M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com		
DRN.	NAME	SIGN.	DATE	SCALE
	Bindu		15-04-2023	NTS
DCN.	Thomas		15-04-2023	
APPD.	S.S.Rao		15-04-2023	
TITLE :		220 KV PT DB		
DRAWING NO:		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24		
Sheet No : 02		No. of sheets : 15		


NOTE:-1. Drawings approval subject to valid type test reports,  
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(ALL DIMENSIONS ARE IN mm)



Drawing approval subject to valid vendor registration

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO				
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :				
	M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com			
	DRN.	Bindu	15-04-2023	SCALE NTS
	DGN.	Thomas	15-04-2023	
APPD.	S.S.Rao	15-04-2023		
DRAWING NO:				
SE / APTRANSCO / 220KV-PTDB / 04 / 23-24				
Sheet No : 03			No. of sheets : 15	

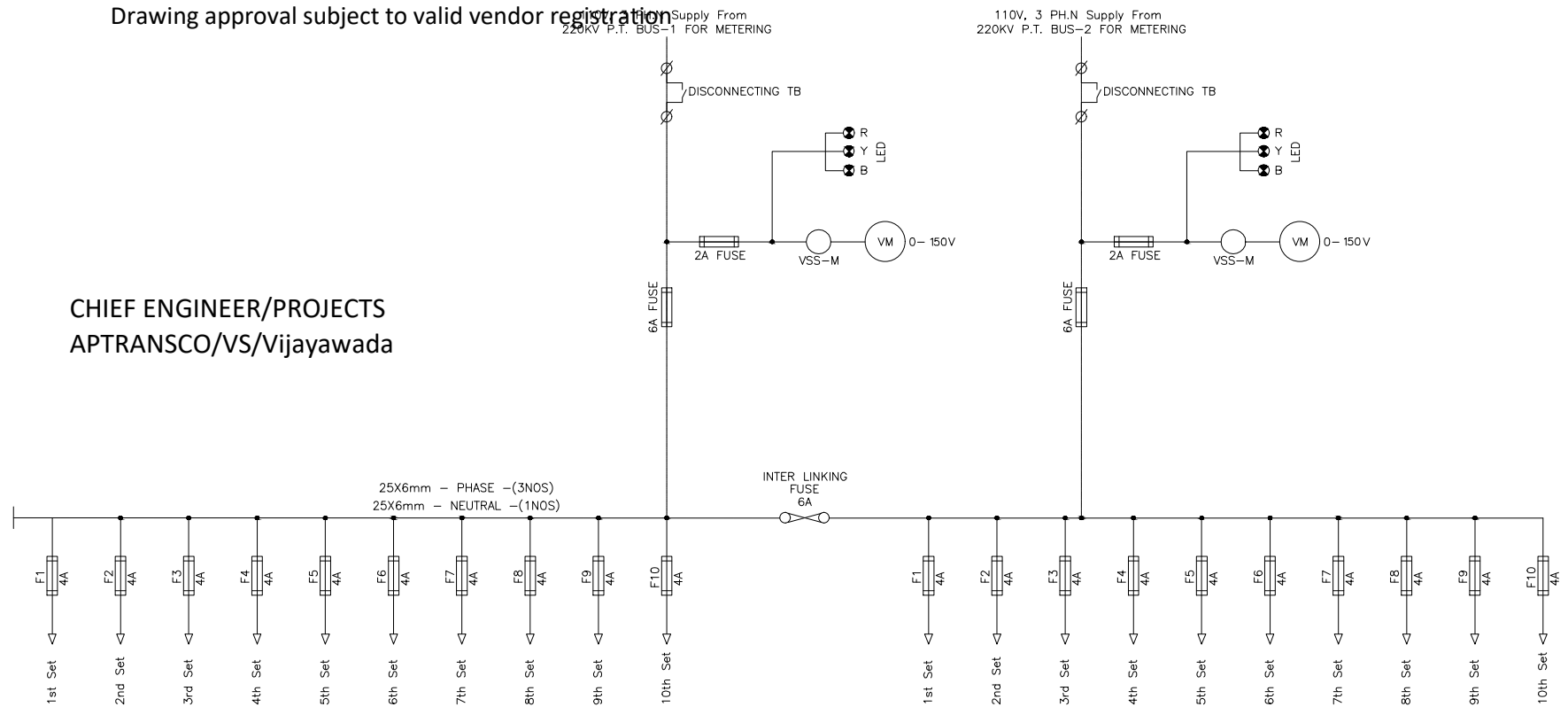
TITLE : 220 KV PT DB

NOTE:-1. Drawings approval subject to valid type test reports,  
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(ALL DIMENSIONS ARE IN mm)

Drawing approval subject to valid vendor registration

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

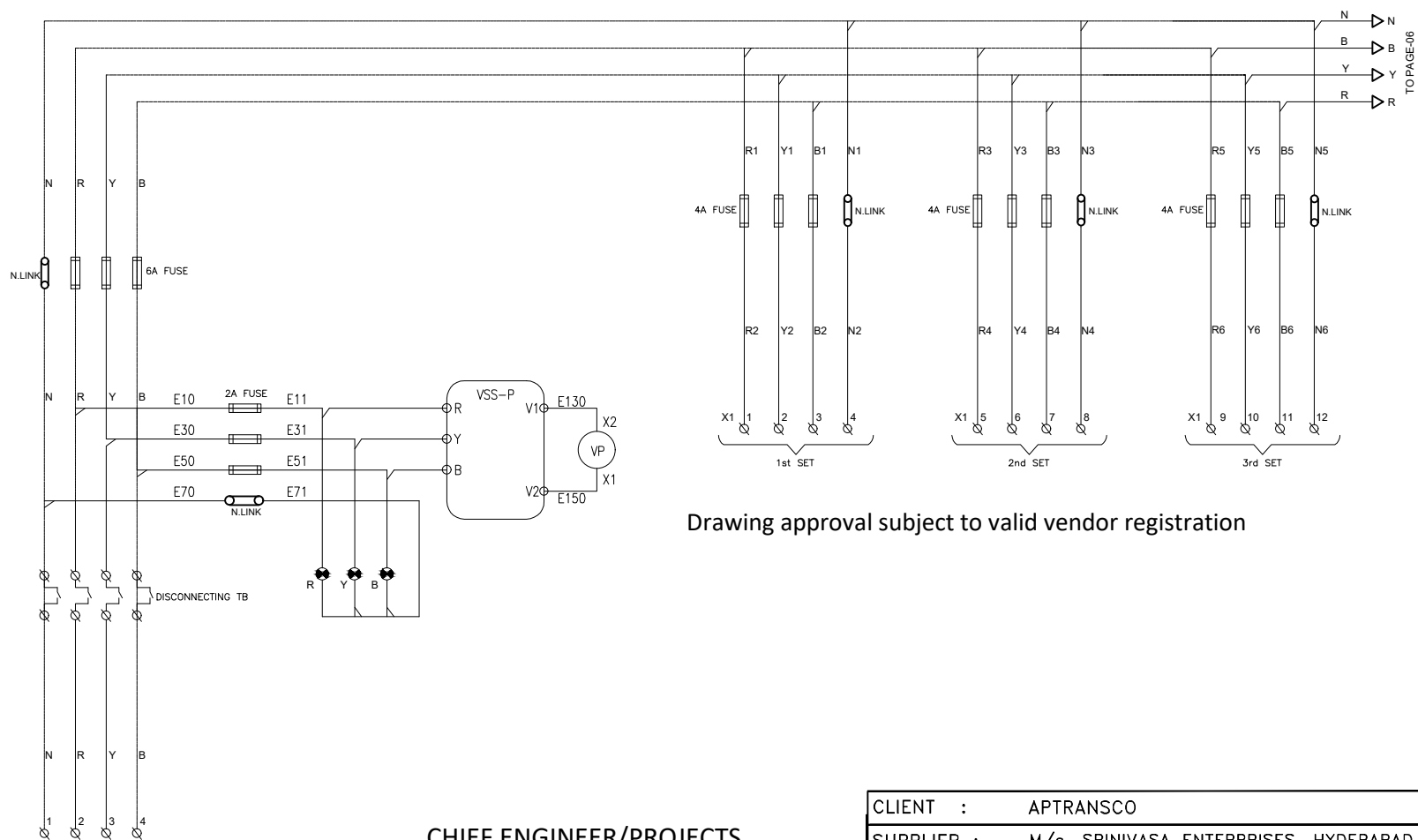


1. Interlinking Fuses shall be inserted only when a PT fails.
2. PT Secondaries shall not be paralleled.

CLIENT : APTRANSCO				
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :				
	M/S. SRINIVASA ENTERPRISES			
	B-5, T.I.E. BALANAGAR			
	HYDERABAD-500 037			
PH.NO.092463 78045				
EMAIL: somana123@yahoo.com				
TITLE : 220 KV PT DB				
DRAWING NO:		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24		
Sheet No : 04		No. of sheets : 15		

NOTE:-1.Drawing approval subject to valid type test reports,  
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(ALL DIMENSIONS ARE IN mm)



Drawing approval subject to valid vendor registration

110V, 3 PH.N Supply From  
220KV P.T. BUS-1 FOR PROTECTION

CHIEF ENGINEER/PROJECTS  
APTRANSCO/Vs/Vijayawada

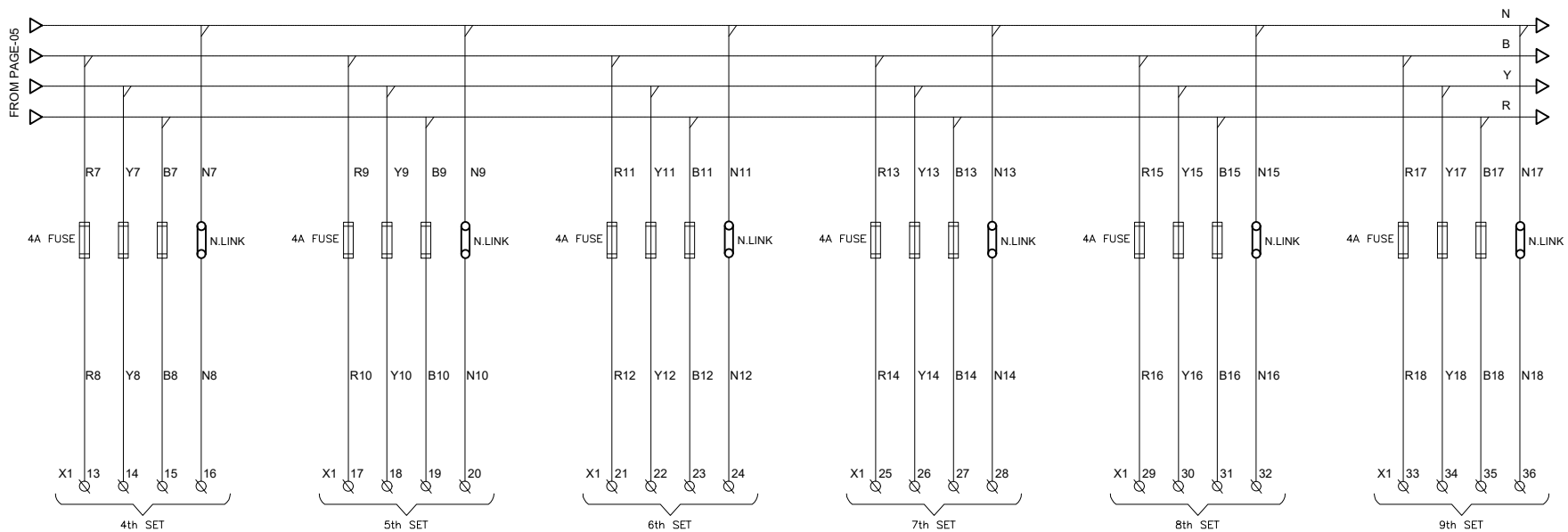
CLIENT :		APTRANSCO				
SUPPLIER :		M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :		M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com				
		DRN.	NAME	SIGN.	DATE	SCALE
			Bindu		15-04-2023	NTS
		DCN.	Thomas		15-04-2023	
APPT.		S.S.Rao		15-04-2023		
TITLE :		DRAWING NO: SE / APTRANSCO / 220KV-PTDB / 04 / 23-24				
220 KV PT DB		Sheet No : 05		No. of sheets : 15		

NOTE:-1. Drawings approval subject to valid type test reports,  
to be checked during acceptance tests.  
2. For EPC contractors only.

(ALL DIMENSIONS ARE IN mm)

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2. PT Secondaries shall not be paralleled.



Drawing approval subject to valid vendor registration

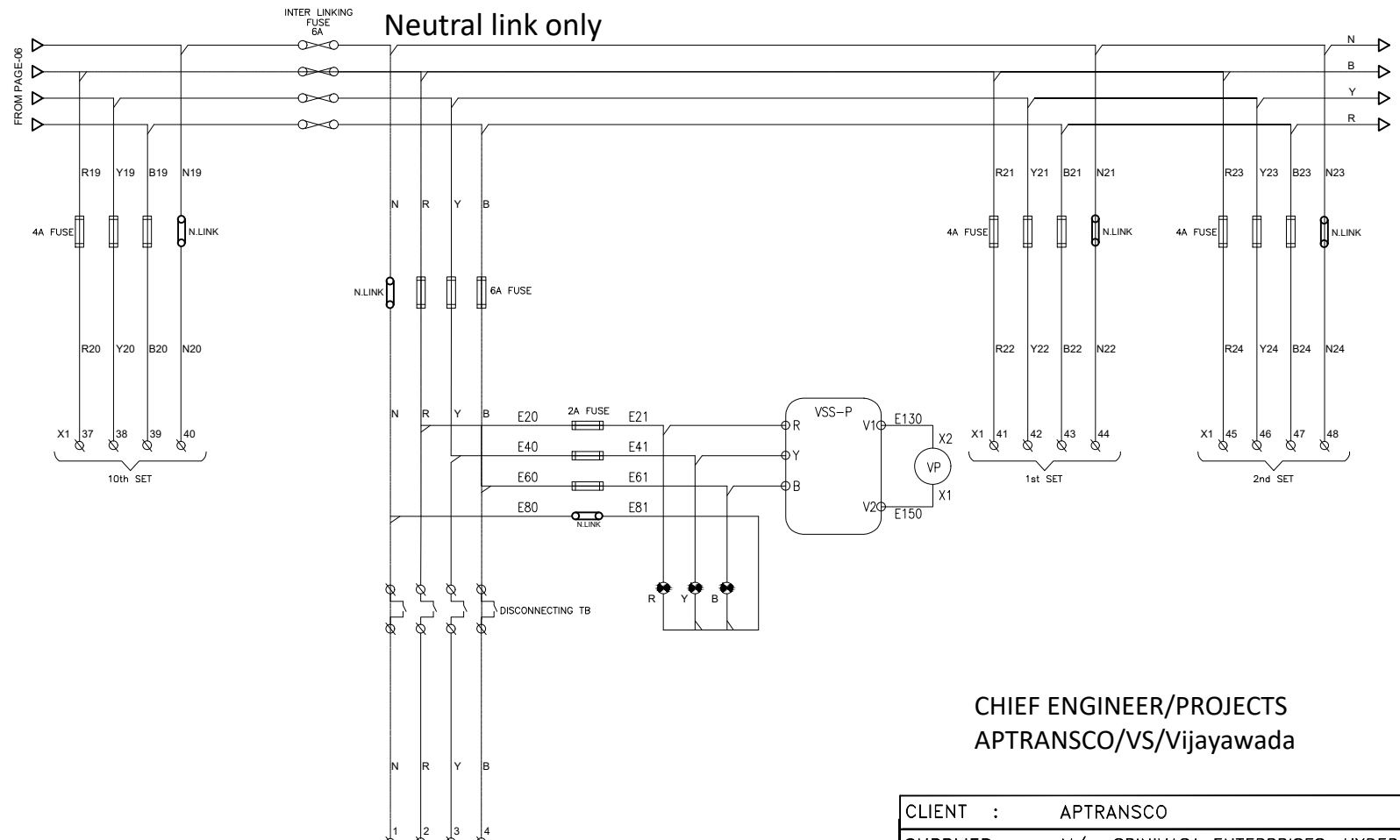
CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO				
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :				
M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com				
DRN.	NAME	SIGN.	DATE	SCALE
	Bindu		15-04-2023	NTS
DCN.	Thomas		15-04-2023	
APPD.	S.S.Rao		15-04-2023	
DRAWING NO:				
SE / APTRANSCO / 220KV-PTDB / 04 / 23-24				
Sheet No : 06			No. of sheets : 15	

TITLE :  
220 KV PT DB

NOTE:-1. Drawings approval subject to valid type test reports,  
to be checked during acceptance tests.  
2. For EPC contractors only.


(ALL DIMENSIONS ARE IN mm)



CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO

SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD

DESIGN & MFD BY :		NAME	SIGN.	DATE	SCALE
	M/S.SRINIVASA ENTERPRISES	Bindu		15-04-2023	NTS
	B-5, T.I.E. BALANAGAR	Thomas		15-04-2023	
	HYDERABAD-500 037	S.S.Rao		15-04-2023	
PH.NO.092463 78045					
EMAIL: somana123@yahoo.com					

TITLE : 220 KV PT DB

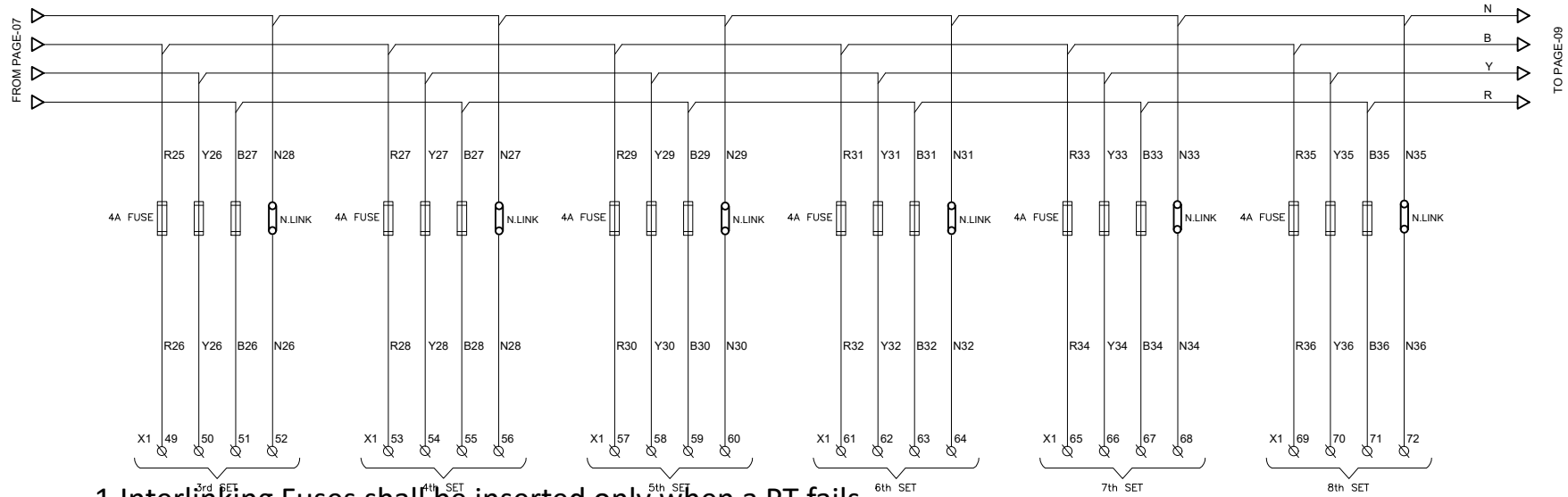
DRAWING NO: SE / APTRANSCO / 220KV-PTDB / 04 / 23-24

Sheet No : 07 No. of sheets : 15

Drawing approval subject to valid vendor registration

NOTE:-1.Drawings approval subject to valid type test reports,  
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2.For EPC contractors only.

(ALL DIMENSIONS ARE IN mm)




1. Interlinking Fuses shall be inserted only when a PT fails.

2. PT Secondaries shall not be paralleled.

Drawing approval subject to valid vendor registration

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

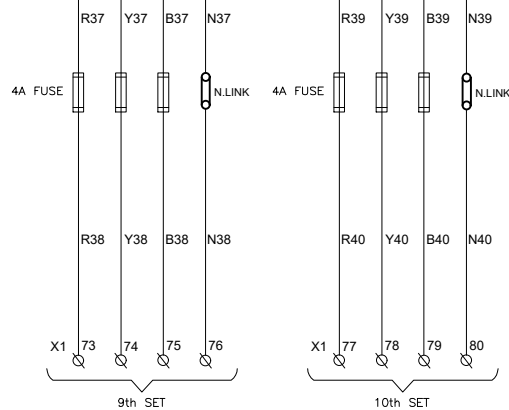
CLIENT : APTRANSCO				
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :				
	M/S.SRINIVASA ENTERPRISES			
	B-5, T.I.E. BALANAGAR			
	HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com			
TITLE :		DRAWING NO:		
220 KV PT DB		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24		
Sheet No : 08		No. of sheets : 15		



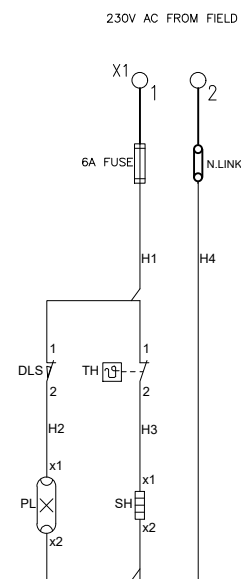
NOTE:-1. Drawings approval subject to valid type test reports,  
to be checked during acceptance tests.  
2. For EPC contractors only.

(ALL DIMENSIONS ARE IN mm)

FROM PAGE-08



Drawing approval subject to valid vendor registration



1. Interlinking Fuses shall be inserted only when a PT fails.
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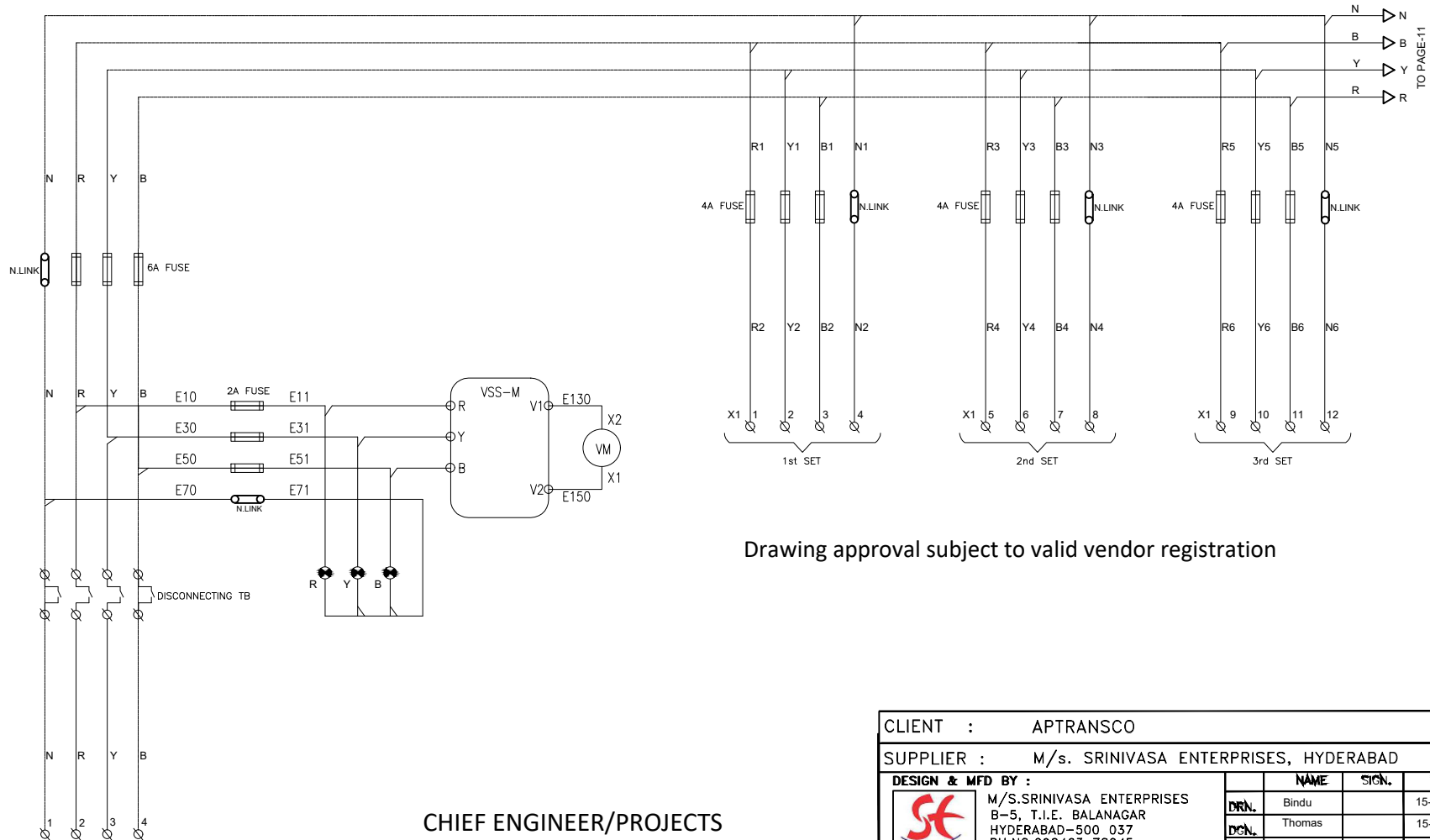
CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO				
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :				
M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com				
DRN.	NAME	SIGN.	DATE	SCALE
	Bindu		15-04-2023	NTS
DGN.	Thomas		15-04-2023	
APPT.	S.S.Rao		15-04-2023	
DRAWING NO:				
SE / APTRANSCO / 220KV-PTDB / 04 / 23-24				
Sheet No : 09			No. of sheets : 15	

TITLE : 220 KV PT DB

NOTE:-1. Drawings approval subject to valid type test reports,  
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 2. For EPC contractors only.


(ALL DIMENSIONS ARE IN mm)



110V, 3 PH.N Supply From  
220KV P.T. BUS-1 FOR METERING

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

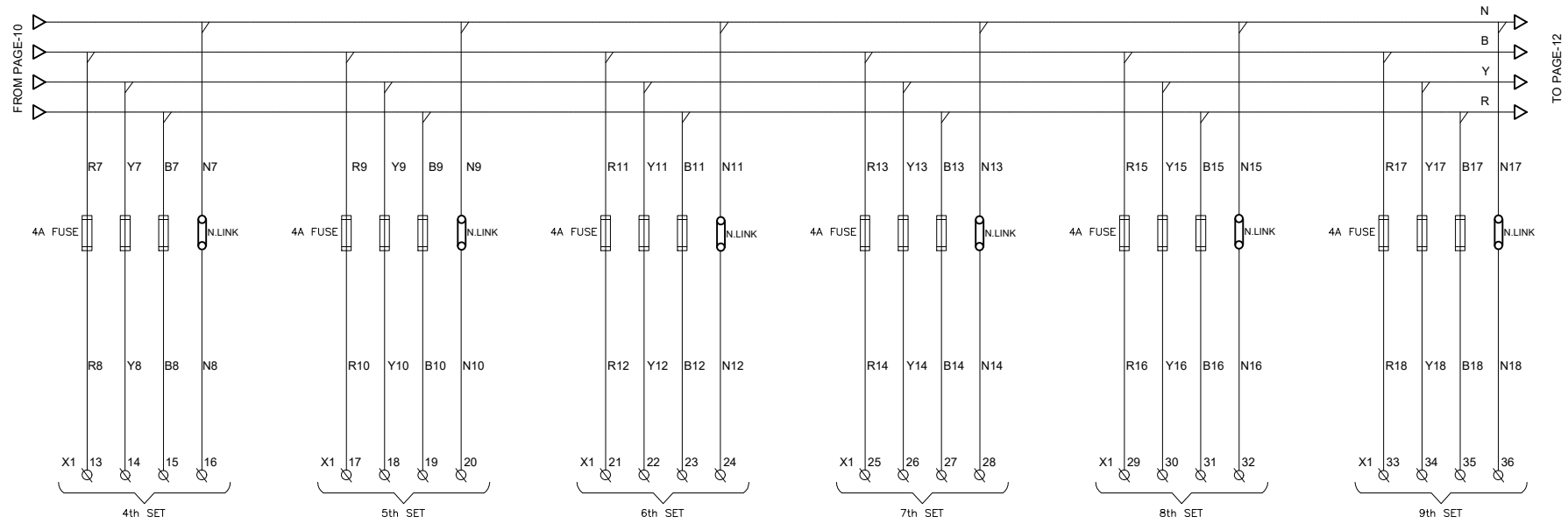
Drawing approval subject to valid vendor registration

CLIENT : APTRANSCO					
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD					
DESIGN & MFD BY :		NAME	SIGN.	DATE	SCALE
 M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com	DRN.	Bindu		15-04-2023	NTS
	DCN.	Thomas		15-04-2023	
	APPD.	S.S.Rao		15-04-2023	
TITLE :		DRAWING NO:			
220 KV PT DB		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24			
Sheet No : 10			No. of sheets : 15		

NOTE:-1. Drawings approval subject to valid type test reports,  
to be checked during acceptance tests.


2. For EPC contractors only.

(ALL DIMENSIONS ARE IN mm)



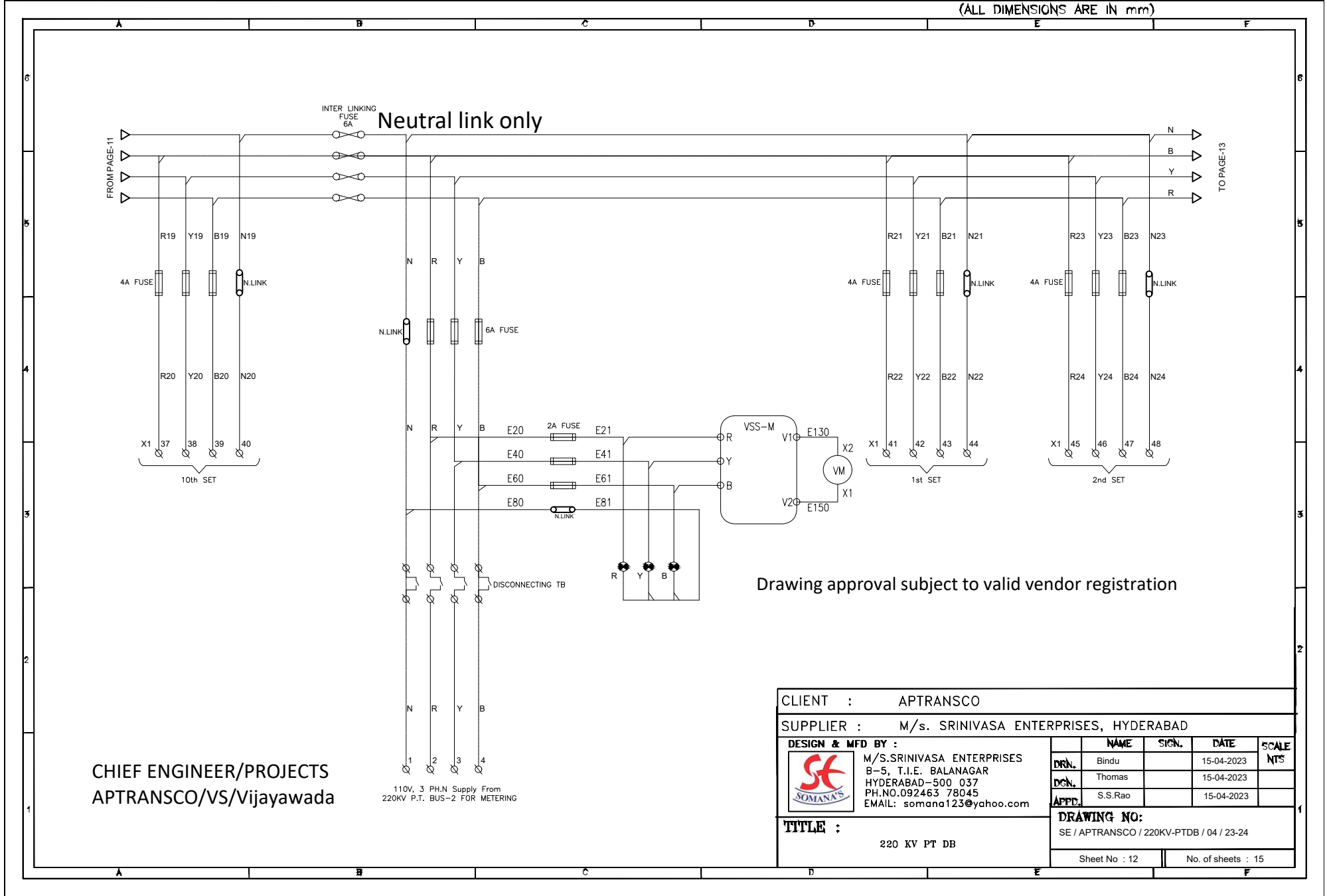
Drawing approval subject to valid vendor registration

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO					
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD					
DESIGN & MFD BY :		NAME	SIGN.	DATE	SCALE
 M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com	DRN.	Bindu		15-04-2023	NTS
	DGN.	Thomas		15-04-2023	
	APPD.	S.S.Rao		15-04-2023	
TITLE :		DRAWING NO:			
220 KV PT DB		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24			
Sheet No : 11			No. of sheets : 15		

NOTE:-1. Drawings approval subject to valid type test reports,  
to be checked during acceptance tests.  
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(ALL DIMENSIONS ARE IN mm)



CHIEF ENGINEER/PROJECTS  
APTRANSCO/Vs/Vijayawada

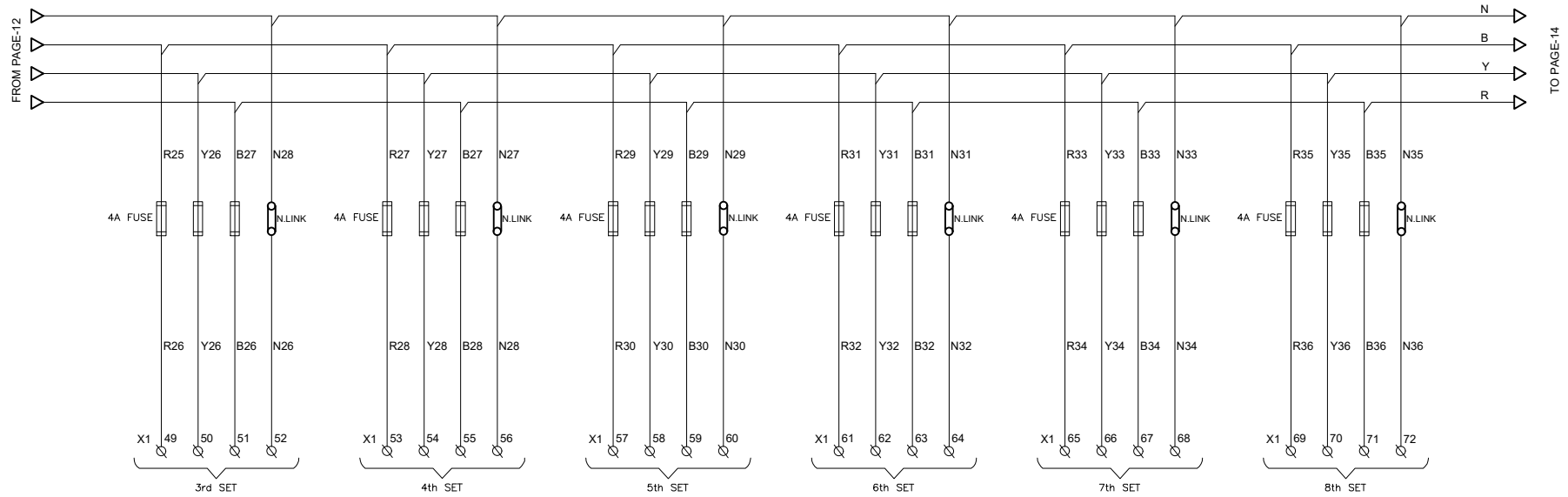
110V, 3 PH.N Supply From  
220KV P.T. BUS-2 FOR METERING

Drawing approval subject to valid vendor registration

CLIENT :		APTRANSCO			
SUPPLIER :		M/s. SRINIVASA ENTERPRISES, HYDERABAD			
DESIGN & MFD BY :		M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com			
DRN.	NAME	SIGN.	DATE	SCALE	NTS
DCN.	Thomas		15-04-2023		
APPD.	S.S.Rao		15-04-2023		
TITLE :		DRAWING NO: SE / APTRANSCO / 220KV-PTDB / 04 / 23-24			
220 KV PT DB		Sheet No : 12		No. of sheets : 15	


NOTE:-1. Drawings approval subject to valid type test reports,  
to be checked during acceptance tests.  
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(ALL DIMENSIONS ARE IN mm)



Drawing approval subject to valid vendor registration

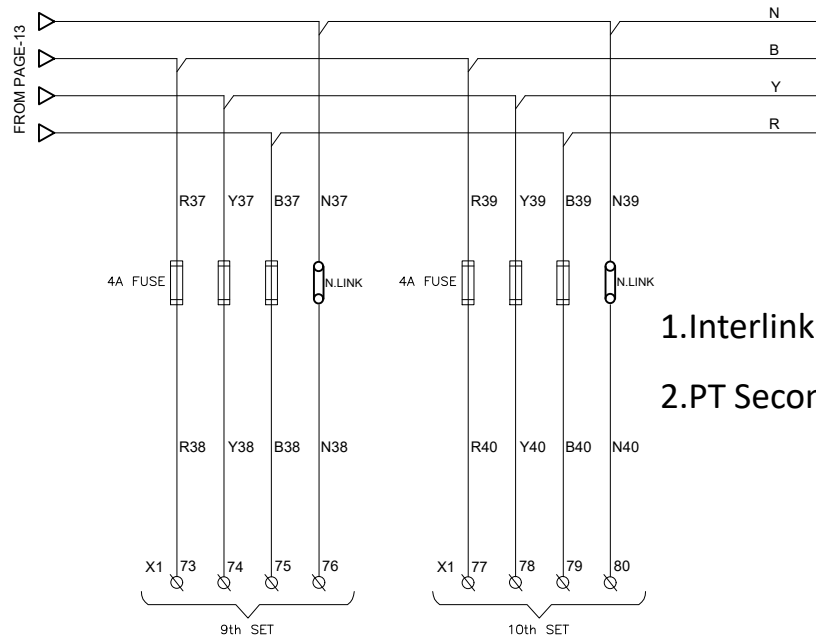
CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO				
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD				
DESIGN & MFD BY :				
	M/S.SRINIVASA ENTERPRISES			
	B-5, T.I.E. BALANAGAR			
	HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com			
	NAME	SIGN.	DATE	SCALE
DRN.	Bindu		15-04-2023	NTS
DCN.	Thomas		15-04-2023	
APPD.	S.S.Rao		15-04-2023	
DRAWING NO:				
SE / APTRANSCO / 220KV-PTDB / 04 / 23-24				
Sheet No : 13			No. of sheets : 15	

TITLE :  
220 KV PT DB

NOTE:-1. Drawings approval subject to valid type test reports,  
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1. Interlinking Fuses shall be inserted only when a PT fails.
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Drawing approval subject to valid vendor registration

CHIEF ENGINEER/PROJECTS  
APTRANSCO/Vs/Vijayawada

CLIENT : APTRANSCO					
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD					
DESIGN & MFD BY :		NAME	SIGN.	DATE	SCALE
 M/S. SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com	DRN.	Bindu		15-04-2023	NTS
	DGN.	Thomas		15-04-2023	
	APPT.	S.S.Rao		15-04-2023	
TITLE :		DRAWING NO:			
220 KV PT DB		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24			
Sheet No : 14			No. of sheets : 15		

NOTE:-1. Drawings approval subject to valid type test reports,  
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(ALL DIMENSIONS ARE IN mm)

### BILL OF MATERIALS

INCOMER :

Sl. No.	Tag	Specification	Make	UOM	Quantity
1	FUSE	6A FUSE	L&T/C&S/GE	Nos	18
2	FUSE	2A FUSE	L&T/C&S/GE	Nos	12
3	VP	ANALOG VOLTMETER, 96Sq.mm, CLASS:1, 0-150V	AE/ELMEASURE/L&T	Nos	2
4	VM	ANALOG VOLTMETER, 96Sq.mm, CLASS:1, 0-150V	AE/ELMEASURE/L&T	Nos	2
5	VSS-P	VOLTMETER SELECTOR SWITCH 6 POSITION 10A	SALZER/KAYCEE	Nos	2
6	VSS-M	VOLTMETER SELECTOR SWITCH 6 POSITION 10A	SALZER/KAYCEE	Nos	2
7	L1-L3	AC INDICATION LAMP, 63.5V AC, 22.5Ø	ESBEE/C&S	Nos	12
8	N.LINK	NEUTRAL LINK	REPUTED	Nos	11

OUTGOING-1-40


1	SFU	CONTROL FUSES 4A	L&T/C&S/GE	Nos	120
2	N.LINK	NEUTRAL LINK	REPUTED	Nos	40

PANEL ACCESERIES

1	FUSE	6A FUSE	L&T/C&S/GE	Nos	1
2	SH	Space heater 80W, 230V AC	GIRISH/REPUTED	Nos	1
3	TS	Thermostat 30-85 Deg C, 230V AC	GIRISH/REPUTED	Nos	1
4	PL	Panel Lamp 5W, 230V AC, LED Light with mounting Holder	PHILIPS	Nos	1
5	DLS	DOOR LIMIT SWITCH	SURAJ/REPUTED	Nos	1
6	PS	Socket 6A, 230V AC Utility Socket, Universal type	ANCHOR	Nos	1
7	TB	STUD TYPE NON DISCONNECTING TYPE TERMINAL BLOCKS	ELMEX/JAINSON	Nos	170
8	TB	DISCONNECTING TYPE TERMINAL BLOCKS	ELMEX/JAINSON	Nos	18
9	N.LINK	NEUTRAL LINK	REPUTED	Nos	1

Drawing approval subject to valid vendor registration

CHIEF ENGINEER/PROJECTS  
APTRANSCO/VS/Vijayawada

CLIENT : APTRANSCO						
SUPPLIER : M/s. SRINIVASA ENTERPRISES, HYDERABAD						
DESIGN & MFD BY :		NAME	SIGN.	DATE	SCALE	
	M/S.SRINIVASA ENTERPRISES B-5, T.I.E. BALANAGAR HYDERABAD-500 037 PH.NO.092463 78045 EMAIL: somana123@yahoo.com		DRN.	Bindu	15-04-2023	NTS
			DGN.	Thomas	15-04-2023	
			APPT.	S.S.Rao	15-04-2023	
TITLE :		DRAWING NO:				
220 KV PT DB		SE / APTRANSCO / 220KV-PTDB / 04 / 23-24				
Sheet No : 15			No. of sheets : 15			