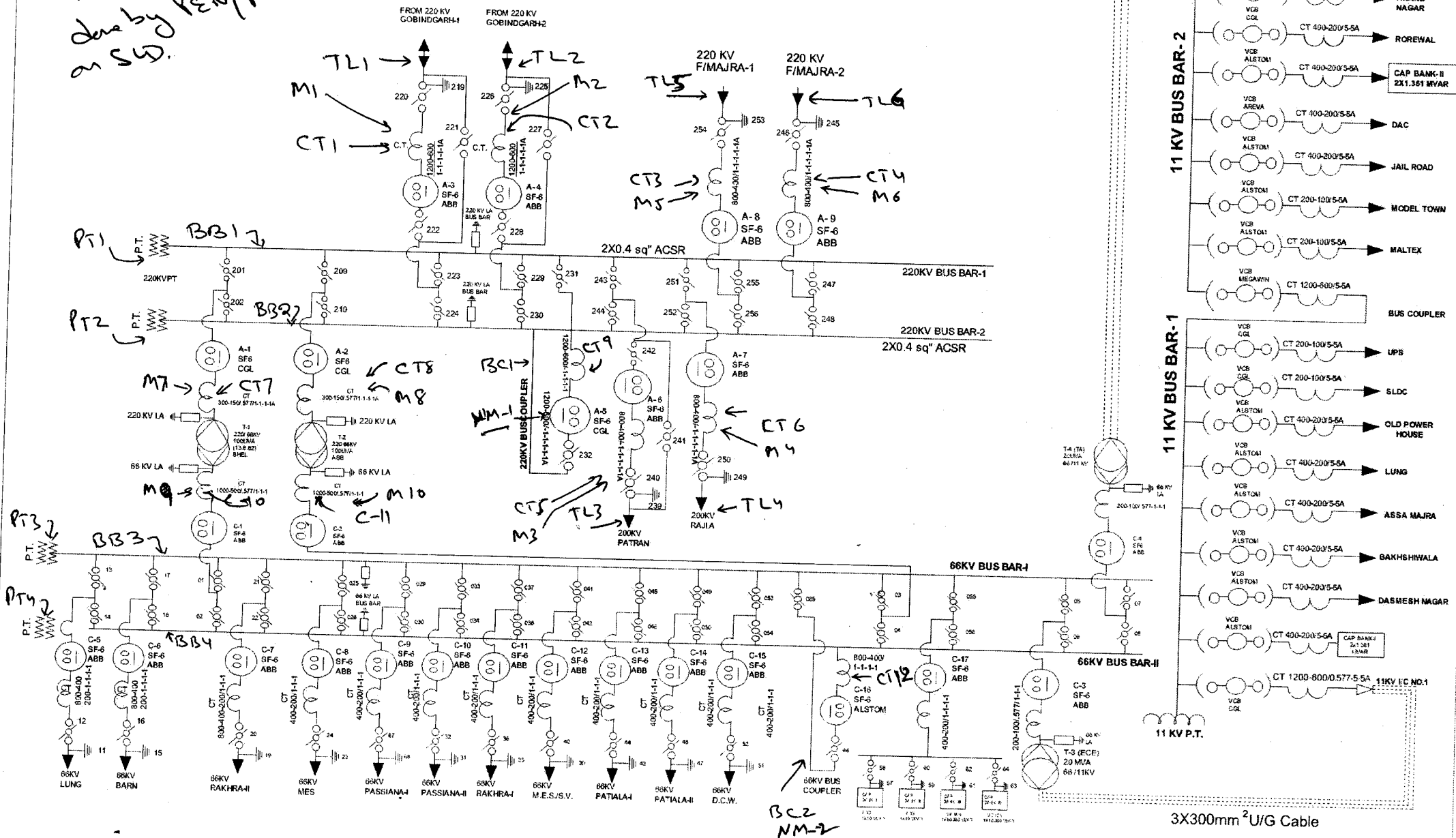


KEY DIAGRAM OF 220 KV GRID S/S ABOLWAL (DOC 13-8-1982)

Note:
M-clip of Ref. be done by PEN/PENCIL on SW.



Performa A
Substation General Details

Notes:-
Performa may be filled with Pen/Pencil and no need for typing, etc.

Additional sheets may be added if required

1.	Name of Substation	220 KV Ablowal, Patiala.		
2.	Longitude/ Latitude (If known from GIS)	NK ← If Not known.		
3.	Substation Voltage Level	220 KV		
4.	Postal Address	Addl. S.E./P&M Division PSTCL Ablowal, Patiala		
5.	Division/ Circle	P&M Division Ablowal, Patiala / P&M Circle, Patiala.		
6.	Contact Nos. of the concerned substation. (If the post is vacant then the Alternative Contact Number of present in-charge of the respective posts may also be given in Brackets)			
	Substation	9646112171 and 0175-2367101		
	SSO in-charge	9646118688		
	SSE in-charge	9646118258		
	Sr. XEN in-charge	9646118211		
	Sr. XEN (Works)	9646118210		
7.	Approach (How to reach the substation)	Bhadson Road, Sarabha Nagar Patiala.		
	Nearest City/ Town	Patiala.		
	Nearest Village (If Any)	Ablowal.		
	Route to be taken to reach the substation from nearest city/ town/ village	Patiala.		
8.	Mobile Connectivity Status near/ inside Substation Control Room (please mention for different mobile signal providers e.g. Vodafone, Airtel, etc.)			
	Provider	Vodaphone		
	Signal Strength (how many bars on mobile)	3/5		
	Whether GSM	NK		
	Whether CDMA	NK		
	Whether GPRS/ 3G	NK		

If Not known or pls give details if known.

3 = Signal Bars as seen on the mobile screen
5 = Maximum Signal Bars available on the mobile screen.

Performa B
Substation Technical Details

Name of the Substation: **220 KV S/S Ablowal, PATIALA.**

1	Regarding Busbars				
	Number of busbars of 400kv	0			
	Number of busbars of 220kv	2			
	Number of busbars of 132kv	0			
	Number of busbars of 66kv	2			
	Number of busbars of 33kv	0			
	Number of busbars of 11kv	2			
2	Station Transformer Details	(if there are more than one Station transformer please repeat the details for each and also clearly mention interconnection between them viz-a-viz meter location, if required please give a diagram showing details for clarity purpose and give below the reference of the diagram attached)			
		11/0.4 KV, S.T/F-1		11/0.4 KV, S.T/F-2	
	i.e. Capacity, connected to which bus bar/ transformer	200 KVA , 11 KV Bus Bar-2/ T-4, 66/11 KV		200 KVA , 11 KV Bus Bar-1/ T-3, 66/11 KV	
	Where is meter installed (HV or LV side)	HV	LV	HV	LV
	Whether the Meter is whole current type or CT/ PT type (give details with CT, PT ratios, class accuracy, multiplication factor)	CT/PT Type CTR-200/5 A.Class= 0.5 MF=1	CT/PT Type CTR-400/5 A.Class= NK MF=1	NA	CT/PT Type CTR-200/5 A.Class= NK MF=1
	Who all are getting supply from station service transformer and who is doing their billing/ accounting (write in details)	S/Stn., Division office, PLC Room – AEE/Mtc.220 KV S/S Ablowal.		S/Stn., Division office, PLC Room – AEE/Mtc.220 KV S/S Ablowal.	
3	Any other standby source for substation's station supply i.e. external line from PSPCL, Generator set, etc. and its metering & billing/ accounting details	NA			
4	Status of DC Battery-Voltage, AH, Type of Breaker/ Isolator and their location, etc.	220 V DC , 110 Nos. Cell, 300 AH, DC Supply distribute through DC Panel by switches.			

Performa C
Details of respective Bus Bars
(As marked in the SLD)

Name of the Substation: **220 KV S/S Ablowal, PATIALA.**

Ref	Voltage Level	If PT available give Ref of the PT from Performa H)	Whether PT has Metering Core	Remarks, if any
BB1	220	PT-1	Yes	NA
BB2	220	PT-2	Yes	NA
BB3	66	PT-3	Yes	NA
BB4	66	PT-4	Yes	NA

Performa D
Details of respective Transmission Lines
(As marked in the SLD)

Name of the Substation: **220 KV S/S Ablowal, PATIALA.**

Ref	References of the Bus bar/s from Performa C to which TL can be connected	Voltage Level	Destination Substation (In case of any T off both/ all the destination substation should be mentioned here) Please give the full name as well as any alternative name Brackets)	Name of the entity/ utility of destination substation	Is the Destination substation under the control of PSTCL	Is it an independent feeder (To a Consumer of PSPCL, OA Customer or Captive Power Plant or Independent Power Plant)	Remarks, if any (Especially give details, if required on separate papers, if the destination substation is not under PSTCL control, whether the line losses for the line are being borne by PSTCL or PSPCL or other utility/ entity, if no clarity on this aspect just mention the fact on Performa with details so as to get it resolved)
TL1	BB-1, BB-2	220 KV	Gobindgarh-1	PSTCL	Yes	No	NA
TL2	BB-1, BB-2	220 KV	Gobindgarh-2	PSTCL	Yes	No	NA
TL3	BB-1, BB-2	220 KV	Patran	PSTCL	Yes	No	NA
TL4	BB-1, BB-2	220 KV	Rajla	PSTCL	Yes	No	NA
TL5	BB-1, BB-2	220 KV	Fagan Majra -1	PGCIL	No	No	NA
TL6	BB-1, BB-2	220 KV	Fagan Majra-2	PGCIL	No	No	NA

Performa E
Details of respective Capacitor Bank connected at 400kV, 220kV or 132kV busbars only
 (As marked in the SLD)

Name of the Substation: **220 KV S/S Ablowal, PATIALA.**

Ref	References of the Bus bar/s from Performa C to which Capacitor Banks can be connected	Voltage Level	Capacity	If CT is available give reference from Performa G	If independent PT is available give reference from Performa H	If Energy Meter is available give reference from Performa I	Remarks, if any
No Capacitor bank Installed at 220 KV B/Bar.							

Performa F
Details of respective Bus Coupler
 (As marked in the SLD)

Name of the Substation: **220 KV S/S Ablowal, PATIALA.**

Ref	Voltage Level	From Bus (Give Reference of the Busbar from Performa C)	To Bus (Give Reference of the Busbar from Performa C)	If Current Transformer available Give Ref of CT from Performa G)	Which Potential Transformer is available for metering purpose (Bus Bar/s or Independent) (Also give Ref of PT/s from Performa H)	If Energy Meter installed Give Ref of Meter from Performa I	Remarks, if any
BC1	220 KV	BB1	BB2	CT 9	PT1, PT2	No	NA
BC2	66 KV	BB3	BB4	CT-12	PT3, PT4	No	NA

Performa G
Details of respective Current Transformers (CTs)

(As marked in the SLD)

Name of the Substation: **220 KV S/S Ablawal, PATIALA.**

Ref	Phase	Nos of CT Cores	Core No	Whether it is metering core?	CT Ratio of each	Class Accuracy of each	Max allowable burden of each (VA)	Approximate existing burden on each core	If Energy Meter Installed give Ref From Performa I	Remarks, if any
CT1 G/G-I	R BHEL	5	1		1200-600 / 1-1-1-1-1 A		60	NK	M1	NA
			2			60	NK			
			3			60	NK			
			4			60	NK			
			5	YES		0.5	40	NK		
	Y BHEL	5	1		1200-600 / 1-1-1-1-1 A		60	NK		
			2			60	NK			
			3			60	NK			
			4			60	NK			
			5	YES		0.5	40	NK		
	B Mehru	5	1		1200-600 / 1-1-1-1-1 A		25	NK		
			2			25	NK			
			3			25	NK			
			4			25	NK			
			5	YES		0.2	25	NK		
CT2 G/G-II	R BHEL	5	1		1200-600 / 1-1-1-1-1 A		60	NK	M2	NA
			2			60	NK			
			3			60	NK			
			4			60	NK			
			5	YES		0.5	40	NK		
	Y BHEL	5	1		1200-600 / 1-1-1-1-1 A		60	NK		
			2			60	NK			
			3			60	NK			
			4			60	NK			
			5	YES		0.5	40	NK		
	B BHEL	5	1		1200-600 / 1-1-1-1-1 A		60	NK		
			2			60	NK			
			3			60	NK			
			4			60	NK			
			5	YES		0.5	40	NK		

CT3 F/M-I	R SCT	5	1		800-400 / 1-1-1-1-1 A		60	NK	M5	NA
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		
	Y Mehru	6	1		800-400 / 1-1-1-1-1 - 1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
	B SCT	5	1		800-400 / 1-1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
5			YES	0.5		40	NK			
CT4 F/M- II	R Mehru	6	1		800-400 / 1-1-1-1-1-1 A		25	NK	M6	NA
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
	Y TELK	5	1		800-400 / 1-1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		
	B Mehru	5	1		800-400 / 1-1-1-1-1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
5			YES	0.2		25	NK			
CT5 Patra n	R TELK	5	1		800-400 / 1-1-1-1-1 A		60	NK	M3	NA
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		

	Y Mehru	5	1		800-400 / 1-1-1-1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
	B TELK	5	1		800-400 / 1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		
CT6 Rajla	R SCT	5	1		800-400/ 1-1-1-1 A		60	NK	M 4	NA
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.	40	NK		
	Y AREVA	5	1		800-400 / 1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.2	40	NK		
	B SCT	5	1		800-400 / 1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		
CT 7 220/ 66 KV T-1 HV	R Mehru	6	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK	M 7	NA
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
	Y Mehru	6	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		

			6	YES		0.2	25	NK		
	B Mehru	6	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
CT 8 220/ 66 KV T-2 HV	R Mehru	6	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK	M 8	NA
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
	Y Mehru	6	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
	B Mehru	6	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
CT9 B/C	R Mehru	6	1		800-400 / 1-1-1-1-1-1 A		25	NK	NM-1	NA
			2				25	NK		
			3				25	NK		
			4				25	NK		
			5	YES		0.2	25	NK		
			6	YES		0.2	25	NK		
	Y BHEL	5	1		800-400 / 1-1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		

	B BHEL	5	1		800-400 / 1-1-1-1-1 A		60	NK		
			2				60	NK		
			3				60	NK		
			4				60	NK		
			5	YES		0.5	40	NK		
CT 10 220/ 66 KV T-1 LV	R Mehru	5	1		1000-500 / 0.577-1-1-1 A		25	NK	M 9	NA
			2				25	NK		
			3				25	NK		
			4	YES		0.2	25	NK		
			5	YES		0.2	25	NK		
	Y Mehru	4	1		1000-500 / 0.577-1-1-1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4	YES		0.2	25	NK		
	B Mehru	5	1		300-150 / 0.577-1-1- 1-1 -1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4	YES		0.2	25	NK		
			5	YES		0.2	25	NK		
	CT 11 220/ 66 KV T-2 LV	R Victrans	4	1		1000-500 / 0.577-1-1-1 A		25		
2							25	NK		
3							25	NK		
4				YES	0.2		25	NK		
Y Mehru		5	1		1000-500 / 0.577-1-1- 1-1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4	YES		0.2	25	NK		
			5	YES		0.2	25	NK		
B Mehru		5	1		1000-500 / 0.577-1-1- 1-1 A		25	NK		
			2				25	NK		
			3				25	NK		
			4	YES		0.2	25	NK		
			5	YES		0.2	25	NK		
CT 12 B/C		R Mehru	3	1		1200-600 / 1-1-1 A		25	NK	NM-2
	2						25	NK		
	3			YES	0.2		25	NK		
	Y	3	1		1200-600 /		25	NK		

Mehru		2		1-1-1 A		25	NK
		3	YES		0.2	25	NK
B Mehru	3	1		1200-600 / 1-1-1 A		25	NK
		2			25	NK	
		3	YES		0.2	25	NK

Performa H

Details of respective Potential Transformers (PTs)/ CVTs

(As marked in the SLD)

Name of the Substation: **220 KV S/S Ablowal, PATIALA.**

Ref.	Phase	Nos. of metering cores	Core No	PT Ratio & Class Accuracy of each	Max allowable burden of each core	Approximate existing burden on each core	Whether the core is suitable for metering purpose? (Yes/ No)	If Energy Meter Installed give Ref of Meter From Performa I	Remarks, if any
PT1	R Mehru	1	1	220 KV/J3	150 VA	NK	NO	M1,M2,M3,M4,M5,M6, M7,M8	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
	Y Mehru	1	1	220 KV/J3	150 VA	NK	NO	-do-	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
	B Mehru	1	1	220 KV/J3	150 VA	NK	NO	-do-	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
PT2	R Mehru	1	1	220 KV/J3	150 VA	NK	NO	-do-	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
	Y Mehru	1	1	220 KV/J3	150 VA	NK	NO	-do-	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
	B Mehru	1	1	220 KV/J3	150 VA	NK	NO	-do-	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
PT3	R Mehru	1	1	66 KV/J3	150 VA	NK	NO	M9, M10	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		
			3	110VJ3, A.Class- 0.2	50 VA	NK	YES		
	Y Mehru	1	1	66 KV/J3	150 VA	NK	NO	-do-	NA
			2	/110VJ3-110VJ3-	150 VA	NK	NO		

			3	110Vj3, A.Class- 0.2	50 VA	NK	YES			
	B Mehru	1	1	66 KV/j3	150 VA	NK	NO	-do-	NA	
			2	/110Vj3-110Vj3-	150 VA	NK	NO			
			3	110Vj3, A.Class- 0.2	50 VA	NK	YES			
PT4	R Mehru	1	1	66 KV/j3	150 VA	NK	NO	-do-	NA	
			2	/110Vj3-110Vj3-	150 VA	NK	NO			
			3	110Vj3, A.Class- 0.2	50 VA	NK	YES			
		Y Mehru	1	1	66 KV/j3	150 VA	NK	NO	-do-	NA
				2	/110Vj3-110Vj3-	150 VA	NK	NO		
				3	110Vj3, A.Class- 0.2	50 VA	NK	YES		
		B Mehru	1	1	66 KV/j3	150 VA	NK	NO	-do-	NA
				2	/110Vj3-110Vj3-	150 VA	NK	NO		
				3	110Vj3, A.Class- 0.2	50 VA	NK	YES		

Performa I
Details of respective Energy Meters

(As marked in the SLD)

Name of the Substation:

220 KV S/S Ablowal, PATIALA.

Ref	M1 (A-3)	M2 (A-4)	M3 (A-6)	M4 (A-7)	M5 (A-8)
Make	L&T	L&T	L&T	L&T	L&T
Model & Type (e.g. Static or EM)	ER300P	ER300P	ER300P	ER300P	ER300P
PO details (if available) or Approximate age	313/DIT-640 Dt. 5.6.08	313/DIT-640 Dt. 5.6.08	313/DIT-640 Dt. 5.6.08	313/DIT-640 Dt. 5.6.08	313/DIT-640 Dt. 5.6.08
Class Accuracy	0.5	0.5	0.5	0.5	0.5
Whether has Communication Capability (i.e. Ports etc?)	YES	YES	YES	YES	YES
Nos. & type of Communication Ports(i.e. Optical, RS-485, RS-232, Rj-45)	RS-485	RS-485	RS-485	RS-485	RS-485
Communication Protocols supported (e.g. Modbus, IEC1107, DNP, etc.)	NK	NK	NK	NK	NK
Multiplication factor (if any)	1200	1200	800	800	800
Physical Location of the meter (e.g. C&R Panel of the bay, Marshalling Kiosk in Switch yard, some other panel/s, etc.)	C&R Panel	C&R Panel	C&R Panel	C&R Panel	C&R Panel
Whether in working order?	YES	YES	YES	YES	YES
Is calibration possible?	NK	NK	NK	NK	NK
When was last calibration done?	NK	NK	NK	NK	NK
Whether space (Approx 300h x 185w x 105 d in mm) at same location is available for installing additional meter or existing one needs to be replaced	YES	YES	YES	YES	YES
Indicate which PT is being used or in case of Multi Bus PTs, what type of arrangement is available. Write (A) if Independent PT for the meter is available in that bay, (B) if Bus PTs selection is through a single switch for all the bays or (C) if it is through a automatic relay for all the bays or (D) if individual bay wise selection possible through a switch or (E) if it is through a individual automatic relay for the bay.	E	E	E	E	E
Ref of the PT/s (From Performa H) to which connected	PT1/2-3 PT1-3 PT2-3	PT1/2-3 PT1-3 PT2-3	PT1/2-3 PT1-3 PT2-3	PT1/2-3 PT1-3 PT2-3	PT1/2-3 PT1-3 PT2-3
Ref of the CT & Core (From Performa G) to which connected	CT1-5	CT1-5	CT1-5	CT1-5	CT1-5
Whether existing TTB can be used (if no is there space for new TTB)	NK	NK	NK	NK	NK
The Terminal blocks No./ Id/ Ferrule numbers of the Cables in respect of Metering CT/ PT where the existing meter is connected.	NK	NK	NK	NK	NK
The Terminal blocks No./ Id/ Ferrule numbers of Auxiliary DC & AC supply nearest to the meter may be in adjacent panel	NK	NK	NK	NK	NK
Remarks (if Any)	NK	NK	NK	NK	NK



No. of meters
Can be connected
after on
PT1 Core 3
or PT2 Core 3
through Selection
relays.

Meaning
CT1 Core 5

M10 (C-2)	M9 (C-1)	M8 (A-2)	M7 (A-1)	M6 (A-9)
L&T	L&T	L&T	L&T	L&T
ER300P	ER300P	ER300P	ER300P	ER300P
313/DIT- 640 Dt. 5.6.08	313/DIT- 640 Dt. 5.6.08	313/DIT- 640 Dt. 5.6.08	313/DIT- 640 Dt. 5.6.08	313/DIT- 640 Dt. 5.6.08
0.5	0.5	0.5	0.5	0.5
YES	YES	YES	YES	YES
RS-485	RS-485	RS-485	RS-485	RS-485
NK	NK	NK	NK	NK
1	1	1	1	800
C&R Panel	C&R Panel	C&R Panel	C&R Panel	C&R Panel
YES	YES	YES	YES	YES
NK	NK	NK	NK	NK
NK	NK	NK	NK	NK
YES	YES	YES	YES	YES
E	E	E	E	E
PT3/4-3 PT3-3 PT4-3	PT3/4-3 PT3-3 PT4-3	PT1/2-3 PT1-3 PT2-3	PT1/2-3 PT1-3 PT2-3	PT1/2-3 PT1-3 PT2-3
CT,11-5	CT,10-5	CT,8-5	CT,7-5	CT,4-5
NK	NK	NK	NK	NK
NK	NK	NK	NK	NK
NK	NK	NK	NK	NK
NK	NK	NK	NK	NK

Performa J

Details of 400/ 220kV, 220/132kV, 220/ 66kV, 132/ 66kV, 132/ 33kV, 132/ 11kV and 132/33/11kV Transformers only

(As marked in the SLD)

Name of the Substation: **220 KV S/S Ablawal, PATIALA.**

Ref	References of the Bus bar/s from Performa C to which Transformers HV can be connected	References of the Bus bar/s from Performa C to which Transformers LV can be connected	Transformer Details (e.g. 220/ 66kV, 100MVA, etc.)	HV Side CT Ref from Performa G	LV Side CT Ref from Performa G	HV Side PT Ref from Performa H	LV Side PT Ref from Performa H	HV Side Meter Ref from Performa I	LV Side Meter Ref from Performa I	Remarks, if any
TF1	BB1, BB2	BB3, BB4	220/66 KV , 100 MVA	CT-7	CT-10	PT-1/2	PT-3/4	M7	M9	NA
TF2	BB1, BB2	BB3, BB4	220/66 KV , 100 MVA	CT-8	CT-11	PT-1/2	PT-3/4	M8	M10	NA

Performa K

Details of respective C&R Panels where there is no Energy Meters at present

but is required for Intrastate Boundary Metering or Transmission Level Energy Audit Purpose

Name of the Substation: **220 KV S/S Ablawal, PATIALA.**

Ref	Bay/ Transmission Line/ Transformer (HV Side) / Transformer (LV side)	It be marked in the SLD i.e. NM1, NM2, etc. as may be appropriate and give that Ref marked in SLD here	Status of Work/ procurement when it will be done/ completed/ commissioned.	Please indicate whether CT & PT cables are already routed to location of the proposed meter on C&R panel of such bay where at present there is no energy meter. (Please give as much details as possible as well as any bottle necks, so as to get the work expedited)	The Terminal blocks No./ Id/ Ferrule numbers of the Cables in respect of Metering CT/ PT and Auxiliary DC & AC supply on the C&R Panel where the existing meter is connected.	Remarks, if any.
BC-1	220 KV BUS-COUPLER	NM1	NA	NA	NA	NA
BC-2	66 KV BUS-COUPLER	NM2	NA	NA	NA	NA

Performa L

Some Miscellaneous Details/ Requirements/ Queries

Name of the Substation: 220 KV S/S Ablowal, PATIALA.

Sr.	Queries/ Requirements	
1	If there is no space available for mounting any of the meter on designated/ desired/ assigned C&R Panel, what type of arrangement shall be required? For example, whether additional Panel Extender on top can be fitted or suggest any other arrangement.	NA