

DRAWAL OF PUNJAB STATE ELECTRICITY BOARD (PSEB) FROM GRID

Sl. No.	Drawal point	Feeder/ICTs	Main Meter Location code	Standby Meter Location code (with appropriate M.F.)	M.F. on account of losses in wheeling of power	Remarks
1	MALER KOTLA (PG)	400/220 kV ICT -1	NR-25	-NR-26	-----	
		400/220 kV ICT -2	NR-27	-NR-28	-----	
2	MOGA (PG)	400/220 kV ICT -1	NR-33	-NR-34	-----	
		400/220 kV ICT -2	NR-35	-NR-36	-----	
		400/220 kV ICT -3	NR-37	-NR-38	-----	
3	GOVINDGARH	220 kV Ganguwal -1	-PU-57	0.97*PU-31	-----	
		220 kV Ganguwal -2	-PU-58	0.97*PU-32	-----	
4	MOHALI	220 kV Ganguwal -1	-PU-59	0.97*PU-33	-----	
		220 kV Ganguwal -2	-PU-60	0.97*PU-34	-----	
		66kV UT Chd-1 Sec 39	-CH-03	1.04*CH-15	1.055	
		66kV UT Chd-2 Sec39	-CH-04	1.04*CH-16	1.055	
		66kV UT Chd-1 Sec 52	-CH-05	1.04*CH-17	1.055	
		66kV UT Chd-2 Sec52	-CH-06	1.04*CH-18	1.055	
5	SARNA	220 kV Hiranagar	-PU-49	1.03*PU-36	-----	Closer look at direction of power flow
		220 kV Udhampur	-PU-50	1.03*PU-35	-----	
		220 kV Kishenpur-1	-PU-51	1.03*NR-31	-----	
		220 kV Kishenpur-2	-PU-52	1.03*NR-32	-----	
		220 kV Dasuya-1	-PU-53	1.03*PU-55	-----	
		220 kV Dasuya-2	-PU-54	1.03*PU-56	-----	
7	MAHILPUR	220/132 kV ICT -1	PU-61	-PB-91	-----	PB-91 = 0.97*(BH-24+BH-25)+1.03*(PU-62+PU-88)+PU-87
		220/132 kV ICT -2	PU-87	Similar as above	-----	
8	JAMSHER	220 kV Mahilpur -1	-PU-62	Similar as above	-----	
		220 kV Mahilpur -2	-PU-88	Similar as above		
		220 kV Jalandhar -1	-PU-89	1.03 or 0.97*PU-67		
		220 kV Jalandhar -2	-PU-90	1.03 or 0.97*PU-68	-----	
9	ROPAR	132 kV Kotla-1	-PU-37	0.96*KB-23	-----	
		132 kV Kotla-2	-PU-38	0.96*KB-24	-----	
		132 kV Kotla-3	-PU-39	0.96*KB-25	-----	
		132 kV Pinjore-1	-PU-40	1.04*HR-27	1.03	
		132 kV Pinjore-2	-PU-41	1.04*HR-37	1.03	
10	SANGRUR	220/66 kV ICT-1	PU-23	-PU-24	-----	
		220/66 kV ICT-2	PU-25	-PU-26	-----	
		220/66 kV ICT-3	PU-27	-PU-28	-----	

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11	JAMALPUR (BBMB)	220/66kV ICT-1	PU-01	-PB-92	-----	PB-92=PU-02+PU-03+ PU-04+PU-05+PU-06+ PU-07+PU-08+PU-09+ PU-10+PU-11+PU-12+ PU-13+PU-14+PU-15+ PU-16
		220/66kV ICT-2	PU-02	Similar as above	-----	
		220/66kV ICT-3	PU-03	Similar as above	-----	
		220/132kV ICT-1	PU-04	Similar as above	-----	
		220/132kV ICT-2	PU-05	Similar as above	-----	
		220/132kV ICT-3	PU-06	Similar as above	-----	
		220kV Dhandari-1	PU-07	Similar as above	-----	
		220kV Dhandari-2	PU-08	Similar as above	-----	
12	JALANDHAR (BBMB)	220/132kV ICT-1	PU-69	-PB-93	-----	PB-93=PU-17+PU-18+ PU-19+PU-20+ PU-67+ PU-68+PU-70+ PU-71+ PU-72+PU-73+ PU-74+ PU-75+PU-76
		220/132kV ICT-2	PU-70	Similar as above	-----	
		220/132kV ICT-3	PU-71	Similar as above	-----	
		220/66kV ICT-1	PU-72	Similar as above	-----	
		220/66kV ICT-2	PU-73	Similar as above	-----	
		220kV Butari	PU-74	Similar as above	-----	
13	BARNALA (BBMB)	220kV Barnala (PSEB)	PU-85	-PB-94	-----	PB-94=PU-86+PU-30
14	LEHRA MOHABBAT	220 kV Barnala (BBMB)	-PU-82	0.97*PU-86	-----	
15	KARTARPUR	220kV Jalandhar (PG)	-PU-83	0.97*NR-47	-----	
16	NAKODAR	220kV Jalandhar (PG)	-PU-84	0.97*NR-48	-----	
17	RANJIT SAGAR HEP	220kV Jessore	-PU-77	1.03*HP-13	-----	
		220kV Hiranagar-1	-PU-78	1.03*JK-15	-----	
		220kV Hiranagar-2	-PU-79	1.03*JK-16	-----	
18	CHOHAL	132 kV Hamirpur	-PU-46	0.96 or 1.04*HP-07	-----	
19	KANGRA (PSEB)	132 kV Kangra (HPSEB)	-PU-44	PU-45	1.04	
20	SHANAN	132 kV Bassi -1	-PU-42	1.04 or 0.96*HP-03	-----	
		132 kV Bassi -2	-PU-43	1.04 or 0.96*HP-04	-----	
		66 kV Mandi Bizni	-HP-27	1.04*HP-05	1.04	
		33 kV Mandi Bizni	-HP-28	1.04*HP-06	1.07	
21	SARNA & PATHANKOTE	66 kV Kathua	-PU-47	-PU-22	1.055	Check Meter
		66 kV Kathua	-PU-48	-PU-21	1.055	Check Meter
22	MUKTSAR	66 kV Sri Ganganagar	-RJ-48	1.04*RJ-39	1.04	
23	PONG	66 kV Talwara	PN-09	-PB-95	1.015	PB-95=PN-07+PN-08+HP-20+PN-27
24	BHAKRA	66 kV PACL	BH-11	Similar as for NFL	-----	Similar as for NFL
25	GANGUWAL	33 kV Nurpurbedi	GW-04	-----	1.015	No check/standby meter

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SEMs DRAWAL LOCATIONS SUMMARISED IN DIFFERENT FILES (as appearing on NRLDC website)						
A	Punjab Drawal points in first file (<i>ddmm.PU1</i>)	Drawal at Malerkotla(PG)				
		Drawal at Moga (PG)				
		Drawal at Govindgarh				
		Drawal at Mahilpur				
B	Punjab Drawal points in second file (<i>ddmm.PU2</i>)	Drawal at Sarna				
		Drawal at Sangrur				
C	Punjab Drawal points in third file (<i>ddmm.PU3</i>)	Drawal at Jamsher				
		Drawal at Jalandher				
D	Punjab Drawal points in forth file (<i>ddmm.PU4</i>)	Drawal at Jamalpur				
		Drawal at Barnala & L Mohabbat				
E	Punjab Drawal points in fifth file (<i>ddmm.PU5</i>)	Drawal at Mohali				
		Drawal at Ranjit Sagar				
F	Punjab Drawal points in sixth file (<i>ddmm.PU6</i>)	Drawal at Kartarpur				
		Drawal at Nakodar				
		Drawal at Ropar				
		Drawal at Chohal				
		Drawal at Kangra				
G	Punjab Drawal points in seventh file (<i>ddmm.PU7</i>)	Drawal at 132/66/33 kV Shanan				
		Drl at 66kV Sarna & Pthnkot				
		Drawal at 66kV Muktsar				
		Drawal at 66kV Pong				
		Drawal at 66kV Bhakra				
		Drawal at 33 kV Ganguwal				
H	Punjab Drawal points in eighth file (Total Drawal of Punjab) { <i>ddmm.PUT</i> }	Drawal at A above				
		Drawal at B above				
		Drawal at C above				
		Drawal at D above				
		Drawal at E above				
		Drawal at F above				
		Drawal at G above				

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DRAWALS AT ECM LOCATIONS						
1	GANGUWAL	33 kV Kiratpur Sahib	ECM			
		11 kV Anandpur Sahib	ECM			
2	SHANAN (PSEB)	11 kV Jogindernagar	ECM			
3	PATHANKOTE	11 kV Basoli	ECM			
4	NFF	11 kV Supply to Expansion plant -1	ECM			
		3.3 kV Supply to Expansion plant -2	ECM			
5	BHAKRA-NANGAL	11 kV IB supply -1	ECM			
		11 kV IB supply -2	ECM			
		11 kV IB supply -3	ECM			
		11 kV IB supply -4	ECM			
6	TALWARA	33 kV Murthal	ECM			
		11 kV Incomming - 1	ECM			
		11 kV Incomming - 2	ECM			
7	IRRIGATION WING	66 kV PSEB- 1	ECM			
		66 kV PSEB- 2	ECM			

Power flows neglected:

- (i) Station service transformer at BBMB sub-stations in Punjab.