पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
उत्तर क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.07.2018

Date of Reporting : 30.07.2018

I. Regional Availability/Demand:

Evening Peak (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
46955	887	47842	49.80	43305	216	43521	50.05	1059.55	10.25

* Half hourly (two 15 minutes block--one block each before and after the designated time) average frequency

II. A. State's Load Details (At States periphery) in MUs:

UI [OD:(+ve), UD: (-ve)]

State	State's Control Area Generation (Net MU)							Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages * (MU)
	Thermal	Hydro	Gas/Naptha/ Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	52.49	16.53	0.00	5.80	0.00	2.26	77.08	136.31	135.40	-0.91	212.47	0.00
Haryana	14.98	0.00	0.00	0.15	0.00	0.54	15.67	135.25	136.32	1.07	151.99	0.00
Rajasthan	78.31	0.00	3.07	9.63	34.31	0.22	125.54	72.22	73.35	1.13	198.89	0.00
Delhi	6.58	0.00	4.05	0.00	0.00	0.00	10.63	84.67	84.01	-0.66	94.64	0.00
UP	111.22	16.72	0.00	1.73	0.00	2.40	132.06	167.40	168.25	0.85	300.31	0.00
Uttarakhand	0.00	6.24	0.00	0.60	0.00	0.00	6.84	25.39	25.44	0.05	32.28	0.63
HP	0.00	17.77	0.00	0.00	0.00	6.70	24.46	-4.49	-0.88	3.61	23.58	0.04
J & K	0.00	25.61	0.00	0.00	0.00	0.00	25.61	19.38	14.97	-4.41	40.58	9.59
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.62	4.80	-0.82	4.80	0.00
Total	**263.58**	**82.86**	**7.12**	**17.90**	**34.31**	**12.11**	**417.88**	**641.75**	**641.66**	**-0.09**	**1059.55**	10.25

* Shortage furnished by the respective constituent.$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)

State	Evening Peak (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Maximum Demand Met (MW) and Time(Hrs)		Shortage (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	8695	0	-16	1749	8382	0	-126	2152	9275	22	0
Haryana	7164	0	-16	2257	6244	0	118	2303	7665	22	0
Rajasthan	7633	0	-471	130	8052	0	265	298	9009	24	0
Delhi	4107	0	-96	630	3665	0	41	749	5290	24	0
UP	14698	440	2	695	13501	0	-106	2091	14739	1	0
Uttarakhand	1681	0	307	217	1169	0	-20	89	1681	20	0
HP	959	0	198	-2015	886	0	142	-1911	1131	11	0
J&K	1789	447	-174	-627	1227	216	-301	-1022	2578	24	455
Chandigarh	230	0	-13	-80	179	0	-61	-55	253	22	0
Total	**46955**	**887**	**-277**	**2954**	**43305**	**216**	**-48**	**4694**	**49774**	**24**	**525**

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

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III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1228	1360	1136	27.20	1133	26.39	0.81
	Rihand I STPS (2*500)	1000	923	989	1006	19.28	803	18.89	0.38
	Rihand II STPS (2*500)	1000	943	1001	1007	19.95	831	19.50	0.45
	Rihand III STPS (2*500)	1000	943	968	1012	18.88	787	17.83	1.05
	Dadri I STPS (4*210)	840	576	580	513	8.40	350	8.48	-0.08
	Dadri II STPS (2*490)	980	929	830	798	15.36	640	14.61	0.75
	Unchahar I TPS (2*210)	420	382	356	274	6.16	257	6.36	-0.20
	Unchahar II TPS (2*210)	420	191	188	154	3.40	142	3.60	-0.20
	Unchahar III TPS (1*210)	210	191	170	173	3.13	131	3.19	-0.06
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1421	685	598	13.08	545	12.15	0.93
	Dadri GPS (4*130.19+2*154.51)	830	0	0	0	0.00	0	0.00	0.00
	Anta GPS (3*88.71+1*153.2)	419	0	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	0	94	93	2.28	95	2.21	0.07
	Dadri Solar(5)	5	1	0	0	0.02	1	0.01	0.01
	Unchahar Solar(10)	10	1	0	0	0.01	0	0.02	-0.01
	Singrauli Solar(15)	15	1	0	0	0.02	1	0.02	0.00
	KHEP(4*200)	800	872	868	868	20.90	871	20.93	-0.03
	Sub Total (A)	**12612**	**8601**	**8089**	**7632**	**158**	**6586**	**154**	**3.88**
B. NPC	NAPS (2*220)	440	383	411	422	9.03	376	9.19	-0.16
	RAPS- B (2*220)	440	359	397	398	8.57	357	8.62	-0.05
	RAPS- C (2*220)	440	410	452	450	9.67	403	9.78	-0.11
	Sub Total (B)	**1320**	**1152**	**1260**	**1270**	**27.27**	**1136**	**27.59**	**-0.32**
C. NHPC	Chamera I HPS (3*180)	540	534	540	538	12.94	539	12.80	0.14
	Chamera II HPS (3*100)	300	297	304	307	7.25	302	7.12	0.13
	Chamera III HPS (3*77)	231	229	239	236	5.65	235	5.48	0.17
	Bairasuil HPS(3*60)	180	124	182	122	3.00	125	2.91	0.09
	Salal-HPS (6*115)	690	687	705	704	16.95	706	16.48	0.47
	Tanakpur-HPS (3*31.4)	94	0	0	0	0.00	0	0.00	0.00
	Uri-I HPS (4*120)	480	475	482	479	1.16	48	11.39	-10.23
	Uri-II HPS (4*60)	240	213	245	242	5.15	215	5.11	0.04
	Dhauliganga-HPS (4*70)	280	161	186	0	3.15	131	3.12	0.03
	Dulhasti-HPS (3*130)	390	260	270	269	6.29	262	6.17	0.12
	Sewa-II HPS (3*40)	120	120	125	126	1.37	57	1.30	0.07
	Parbati 3 (4*130)	520	289	510	104	6.93	289	6.95	-0.02
	Kishanganga(3*110)	330	202	151	210	4.88	203	4.85	0.03
	Sub Total (C)	**4395**	**3591**	**3937**	**3337**	**75**	**3113**	**84**	**-8.97**
D.SJVNL	NJPC (6*250)	1500	1605	1645	1628	38.63	1610	38.52	0.11
	Rampur HEP (6*68.67)	412	442	457	456	10.87	453	10.61	0.26
	Sub Total (D)	**1912**	**2047**	**2102**	**2084**	**49.50**	**2063**	**49.13**	**0.37**
E. THDC	Tehri HPS (4*250)	1000	879	908	877	17.49	729	17.40	0.09
	Koteshwar HPS (4*100)	400	303	397	281	7.28	304	7.26	0.02
	Sub Total (E)	**1400**	**1182**	**1305**	**1158**	**24.77**	**1032**	**24.66**	**0.11**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	659	1086	481	15.96	665	15.82	0.14
	Dehar HPS (6*165)	990	611	825	495	14.66	611	14.66	0.00
	Pong HPS (6*66)	396	162	232	112	3.98	166	3.88	0.10
	Sub Total (F)	**2765**	**1432**	**2143**	**1088**	**34.59**	**1441**	**34.36**	**0.23**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	201	231	4.78	199	4.78	0.00
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1100	1100	26.44	1102	26.08	0.36
	Malana Stg-II HPS (2*50)	100	0	113	113	2.68	112	2.34	0.34
	Shree Cement TPS (2*150)	300	0	129	68	3.45	144	2.26	1.19
	Budhil HPS(IPP) (2*35)	70	0	75	75	1.78	74	1.65	0.13
	Sainj HPS (IPP) (2*50)	100	0					2.18	
	Sub Total (G)	**1762**	**0**	**1617**	**1587**	**39.13**	**1630**	**37.11**	**2.02**
H. Total Regional Entities (A-G)		**26167**	**18003**	**20454**	**18156**	**408.04**	**17002**	**410.72**	**-2.68**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	160	160	3.57	149
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0
	Goindwal(GVK) (2*270)	540	246	246	5.24	218
	Rajpura (2*700)	1400	860	1020	21.22	884
	Talwandi Saboo (3*660)	1980	924	924	22.46	936
	Thermal (Total)	**6560**	**2190**	**2350**	52.49	**2187**
	Total Hydro	1000	684	523	16.53	689
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.26	94
	Solar	859	0	0	5.80	242
	Renewable(Total)	**1162**	**0**	**0**	**8.06**	**336**
	Total Punjab	**8722**	**2874**	**2873**	**77.08**	**3211**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	230	235	5.50	229
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	381	378	9.48	395
	Thermal (Total)	**4497**	**611**	**613**	**14.98**	**624**
	Total Hydro	62	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.54	22
	Solar	50	0	0	0.15	6
	Renewable(Total)	**156**	**0**	**0**	**0.69**	**29**
	Total Haryana	**4715**	**611**	**613**	**15.67**	**653**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	286	310	7.38	308
	suratgarh TPS (6*250)	1500	195	179	4.24	176
	Chabra TPS (4*250)	1000	851	799	18.48	770
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	132	129	3.07	128
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	783	446	15.07	628
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	453	416	10.35	431
	Kawai(Adani) (2*660)	1320	1081	862	22.79	950
	Thermal (Total)	**9536**	**3781**	**3141**	**81.38**	**3391**
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	1105	1853	34.31	1430
	Biomass	102	7	7	0.22	9
	Solar	1995	24	0	9.63	401
	Renewable/Others (Total)	6389	1136	1860	44.16	1840
	Total Rajasthan	**16475**	**4917**	**5001**	**125.54**	**5231**
UP	Anpara TPS (3*210+2*500)	1630	1309	1156	26.51	1105
	Obra TPS (2*50+2*94+5*200)	1194	510	343	9.03	376
	Paricha TPS (2*110+2*220+2*250)	1160	813	468	12.99	541
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	450	251	7.31	305
	Tanda TPS (NTPC) (4*110)	440	279	216	5.00	208
	Roza TPS (IPP) (4*300)	1200	0	0	0.00	0
	Anpara-C (IPP) (2*600)	1200	1101	911	19.78	824
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	949	936	21.14	881
	Lalitpur TPS(3*660)	1980	622	351	9.46	394
	Bara(3*660)	1980	0	0	0.00	0
	Thermal (Total)	**13109**	**6033**	**4632**	**111.22**	**4634**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanada(4*82.5)	330	342	220	4.02	168
	Other Hydro	527	275	63	2.23	93
	Cogeneration	1360	100	100	2.40	100
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	472	0	0	1.73	72
	Renewable(Total)	**498**	**0**	**0**	**1.73**	**72**
	Total UP	**16264**	**7185**	**5450**	**132.06**	**5503**
Uttarakhand	Other Hydro	1250	366	98	6.24	260
	Total Gas	450	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.60	25
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.60	25
	Total Uttarakhand	**2107**	**366**	**98**	**6.84**	**285**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	32	33	0.77	32
	Pragati Gas Turbine (2x104+ 1x122)	330	145	151	3.27	136
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0
	Badarpur TPS (NTPC) (3*95+2*210)	705	303	304	6.58	274
	Thermal (Total)	**2917**	**480**	**488**	**10.63**	**443**
	Wind Power	0	0	0	0.00	0
	Biomass	16	0	0	0.00	0
	Solar	2	0	0	0.00	0
	Renewable(Total)	**18**	**0**	**0**	**0.00**	**0**
	Total Delhi	**2935**	**480**	**488**	**10.63**	**443**

HP	Baspa HPS (IPP) (3*100)	300	322	0	6.54	272
	Malana HPS (IPP) (2*43)	86	107	105	2.52	105
	Other Hydro (>25MW)	372	408	338	8.71	363
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)	486	355	246	6.70	279
	Renewable(Total)	**486**	**355**	**246**	**6.70**	**279**
	Total HP	**1244**	**1192**	**689**	**24.46**	**1019**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
	Other Hydro/IPP(including 98 MW Small Hydro)	308	190	190	4.42	184
	Gas/Diesel/Others	0	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)Included in Other Hydro Abov	98	0	0	0.00	0
	Renewable(Total)	**98**	**0**	**0**	**0.00**	**0**
	Total J & K	**1208**	**1073**	**1073**	**25.61**	**1067**
Total State Control Area Generation		**53670**	**18698**	**16285**	**417.88**	**17412**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**14050**	**11050.66**	**246.91**	**10288**
Total Regional Availability(Gross)		**79837**	**53202**	**45491**	**1072.84**	**44701**

IV. Total Hydro Generation:

Regional Entities Hydro	**12564**	**11769**	**9978**	**240.16**	**9933**
State Control Area Hydro	**7468**	**4367**	**3101**	**82.86**	**3757**
Total Regional Hydro	**20032**	**16137**	**13079**	**323.02**	**13689**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.05**	**2**
State Control Area Renewable	**9214**	**1491**	**2106**	**61.92**	**2580**
Total Regional Renewable	**9244**	**1491**	**2106**	**61.97**	**2582**

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	-250	-250	0	250	0.00	6.04	-6.04
765 KV Gwalior-Agra (D/C)	2431	2005	2636	0	47.86	0.00	47.86
400 KV Zerda-Kankroli	119	-57	178	162	0.28	0.00	0.28
400 KV Zerda-Bhinmal	118	-70	172	134	0.54	0.00	0.54
220 KV Auraiya-Malanpur	3	-2	0	74	0.00	0.10	-0.10
220 KV Badod-Kota/Morak	109	226	120	0	2.73	0.00	2.73
Mundra-Mohindergarh(HVDC Bipole)	700	700	703	0	16.99	0.00	16.99
400 KV RAPPC-Sujalpur	344	238	404	0	6.07	0.00	6.07
400 KV Vindhyachal-Rihand	-952	-965	0	965	0.00	18.97	-18.97
765 kV Phagi-Gwalior (D/C)	1292	1165	771	0	29.59	0.00	29.59
+/- 800 kV HVDC Champa-Kurushetra	2500	800	800	0	18.64	0	18.64
765KV Orai-Jabalpur	1341	973	1517	0	23.54	0	23.54
765KV Orai-Satna	1735	1662	1763	0	39.13	0	39.13
765KV Orai-Gwalior	435	347	0	454	0.00	9	-8.68
Sub Total WR	**9924**	**6773**			**185.38**	**33.78**	**151.59**
400 kV Sasaram - Varanasi	82	83	90	0	1.76	0.00	1.76
400 kV Sasaram - Allahabad	127	62	103	0	1.77	0.00	1.77
400 KV MZP- GKP (D/C)	668	774	917	0	17.00	0.00	17.00
400 KV Patna-Balia(D/C) X 2	823	1003	1143	0	19.84	0.00	19.84
400 KV B'Sharif-Balia (D/C)	309	358	429	0	8.27	0.00	8.27
765 KV Gaya-Balia	410	316	423	0	7.53	0.00	7.53
765 KV Gaya-Varanasi (D/C)	562	427	692	0	10.49	0.00	10.49
220 KV Pusauli-Sahupuri	127	131	135	0	2.86	0.00	2.86
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	22	15	0	30	0.00	0.46	-0.46
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	39	12	155	78	0.96	0.00	0.96
400 KV Motihari -GKP (D/C)	-187	-135	0	243	0.00	3.43	-3.43
400 kV B'Sharif - Varanasi (D/C)	144	232	346	0	5.05	0.00	5.05
+/- 800 KV HVDC Alipurduar-Agra	400	400	400	0	9.35	0.00	9.35
Sub Total ER	**3526**	**3678**			**85.36**	**3.89**	**81.47**
+/- 800 KV HVDC BiswanathCharialli-Agra	600	600	600	0.00	13.85	0.00	13.85
Sub Total NER	**600**	**600**			**13.85**	**0.00**	**13.85**
Total IR Exch	**14050**	**11051**			**284.58**	**37.68**	**246.91**

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
43.37	3.71	47.08	32.08	61.89	-6.15	1.86	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
69.30	191.11	260.41	95.32	151.59	246.91	26.02	-39.52	-13.50

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-21	-16	0	21	0	0	-0.32

VII. Frequency Profile <---------- % of Time Frequency ---------->

<49.2	<49.7	<49.8	<49.9	<50.0	49.9-50.05	50.05-50.10	50.10-50.20	>50.20	>50.50
0.00	0.00	0.60	6.90	59.00	83.90	8.20	1.30	0.00	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.18	6.01	49.74	22.20	49.98	0.034	0.056	0.00	0.00	16.10

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	404	4:01	400	0:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	16:01	394	19:19	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	412	16:02	382	5:43	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	16:03	402	0:38	0.0	0.0	0.0	0.0	0.0
Dadri	400	411	7:01	398	22:29	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	411	7:04	396	22:14	0.0	0.0	0.0	0.0	0.0
Bawana	400	409	16:02	397	0:17	0.0	0.0	0.0	0.0	0.0
Bassi	400	417	16:02	399	22:17	0.0	0.0	0.0	0.0	0.0
Hissar	400	407	16:04	394	0:07	0.0	0.0	0.0	0.0	0.0
Moga	400	403	9:41	393	0:17	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	408	8:01	398	0:12	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	408	8:06	402	0:14	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	407	13:06	400	21:16	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	4:44	388	20:28	0.0	0.0	0.0	0.0	0.0
Amritsar	400	405	8:01	396	0:03	0.0	0.0	0.0	0.0	0.0
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	405	8:30	398	0:03	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	404	4:06	391	23:15	0.0	0.0	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	16:04	751	0:38	0.0	0.0	0.0	0.0	0.0
Balia	765	790	16:02	756	19:19	0.0	0.0	0.0	0.0	0.0
Moga	765	784	10:01	756	0:17	0.0	0.0	0.0	0.0	0.0
Agra	765	791	16:02	760	22:32	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	792	16:00	767	0:11	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	16:04	741	22:30	0.0	0.7	0.0	0.0	0.0
Lucknow	765	794	16:02	758	23:07	0.0	0.0	0.0	0.0	0.0
Meerut	765	798	16:02	767	23:38	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	792	16:02	759	22:21	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	789	16:02	754	23:08	0.0	0.0	0.0	0.0	0.0
Anta	765	795	4:12	775	22:20	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	15:57	770	21:47	0.0	0.0	0.0	0.0	0.0

Note : "0" in Max / Min Col -> Telemetry Outage

IX. Reservior Parameters:

Name of Reservior	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m^3/s)	Usage (m^3/s)
Bhakra	513.59	445.62	476.36	381.25	494.50	880.64	1535.28	561.41
Pong	426.72	384.05	399.26	203.01	409.16	464.36	1019.77	286.91
Tehri	829.79	740.04	793.40	504.43	793.75	509.80	934.00	447.00
Koteshwar	612.50	598.50	610.26	4.69	609.72	4.44	447.00	481.40
Chamera-I	760.00	748.75	758.23	0.00	0.00	0.00	403.02	353.31
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	0.00	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	509.66	4.90	522.25	7.16	382.58	207.03

*** NA: Not Available**

X(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	2152	0	0	2150	-402	0	51.63	-0.80	50.83
Delhi	1075	-326	0	961	-332	0	24.01	-5.38	18.63
Haryana	2341	-38	0	2255	2	0	47.96	-1.99	45.97
HP	-1630	-281	0	-1675	-340	0	-37.06	-6.87	-43.93
J&K	-1150	128	0	-1151	524	0	-27.61	10.91	-16.70
CHD	0	-55	0	0	-80	0	0.00	-1.33	-1.33
Rajasthan	63	235	0	-37	168	0	1.00	4.64	5.64
UP	2091	0	0	1710	-1015	0	42.97	-4.27	38.70
Uttarakhand	-153	241	0	-205	422	0	-3.92	7.68	3.76
Total	**4788**	**-94**	**0**	**4008**	**-1054**	**0**	**98.98**	**2.59**	**101.57**

X(B). Short-Term Open Access Details:

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2152	2144	0	-402	0	0
Delhi	1256	860	75	-686	0	0
Haryana	2385	1763	161	-968	0	0
HP	-1436	-1878	-237	-340	0	0
J&K	-1150	-1152	642	79	0	0
CHD	0	0	-10	-80	0	0
Rajasthan	63	-38	238	-471	0	0
UP	2115	1688	0	-1015	0	0
Uttarakhand	-153	-205	455	241	0	0

XI. System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter - regional corridors

WR	**0.00%**
ER	**0.00%**
Simultaneous	**0.00%**

(ii)%age of times ATC violated on the inter-regional corridors

WR	**0.00%**
ER	**0.00%**
Simultaneous	**0.00%**

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	**0.00%**

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	2	15
Haryana	1	13
Rajasthan	4	30
Delhi	4	33
UP	1	16
Uttarakhand	3	32
HP	1	14
J & K	4	28
Chandigarh	5	52

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.07.2018 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

0.00

XVIII. Tripping of lines in pooling stations :

XIX. Complete generation loss in a generating station :

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.

Report for : 29.07.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER