

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOH188682

Power Supply Position in Northern Region for 29.07.2017

Date of Reporting : 30.07.2017



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
51054	2237	53291	49.99	50825	216	51041	49.93	1191.41	11.69

* 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:

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	Renewable/others \$	Total					
Punjab	90.13	17.66	0.14	107.94	127.45	131.23	3.79	239.17	0.00
Haryana	72.78	0.81	0.00	73.59	129.01	126.82	-2.19	200.41	0.01
Rajasthan	69.29	2.03	23.48	94.80	74.34	71.75	-2.59	166.54	0.00
Delhi	25.02		0.00	25.02	89.61	83.25	-6.36	108.27	0.09
UP	164.16	22.60	0.00	186.76	167.39	177.18	9.79	363.94	2.63
Uttarakhand		20.62	7.19	27.81	13.73	13.87	0.15	41.68	0.00
HP		18.86	7.87	26.74	-3.73	0.45	4.17	27.18	0.00
J & K		26.00	0.00	26.00	14.04	11.76	-2.28	37.76	8.97
Chandigarh				0.00	6.65	6.45	-0.21	6.45	0.00
Total	421.39	108.59	38.68	568.65	618.49	622.76	4.27	1191.41	11.69

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

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

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	10139	0	-223	1428	9558	0	277	1679	10523	21	0
Haryana	8402	54	-244	920	8770	0	-111	1095	9155	1	0
Rajasthan	6539	0	-551	46	7268	0	-230	180	7683	1	0
Delhi	4480	0	-366	420	4622	0	51	683	5152	1	0
UP	16265	1705	364	618	16552	0	712	1264	16552	3	0
Uttarakhand	1956	0	174	-258	1596	0	-146	-486	1956	20	0
HP	1066	0	32	-1747	989	0	289	-1903	1330	15	0
J&K	1912	478	165	-851	1224	216	-158	-1284	1944	21	486
Chandigarh	295	0	-11	-20	246	0	6	-40	308	23	0
Total	51054	2237	-660	556	50825	216	690	1189	52675	1	1248

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

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III. Regional Entities :

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 [OG(+ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1722	1935	1899	41.82	1743	40.91	0.91	
Rihand I STPS (2*500)	1000	887	949	1000	21.12	880	21.00	0.11	
Rihand II STPS (2*500)	1000	941	988	967	22.24	927	22.36	-0.12	
Rihand III STPS (2*500)	1000	471	512	509	11.38	474	11.08	0.30	
Dadri I STPS (4*210)	840	633	472	793	12.55	523	12.95	-0.39	
Dadri II STPS (2*490)	980	823	596	549	14.67	611	15.40	-0.73	
Unchahar I TPS (2*210)	420	350	367	360	7.61	317	7.84	-0.24	
Unchahar II TPS (2*210)	420	382	422	362	8.12	338	8.41	-0.30	
Unchahar III TPS (1*210)	210	192	211	183	3.78	158	3.95	-0.17	
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajhar) (3*500)	1500	948	967	955	21.54	898	22.48	-0.93	
Dadri GPS (4*130, 19+2*154.51)	830	771	180	153	3.77	157	3.98	-0.21	
Anta GPS (3*88, 71+1*153.2)	419	391	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111, 19+2*109.30)	663	612	0	0	0.00	0	0.00	0.00	
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar(10)	10	1	0	0	0.04	2	0.03	0.01	
Singrauli Solar(15)	15	2	0	0	0.06	2	0.06	0.00	
KHEP(4*200)	800	815	870	865	20.90	871	19.56	1.34	
Sub Total (A)	12612	9943	8469	8595	190	7900	190	-0.43	
B. NPC									
NAPS (2*220)	440	380	417	424	9.12	380	9.12	0.00	
RAPS- B (2*220)	440	362	408	409	8.78	366	8.64	0.14	
RAPS- C (2*220)	440	430	450	451	9.62	401	10.32	-0.70	
Sub Total (B)	1320	1172	1275	1284	27.51	1146	28.08	-0.57	
C. NHPC									
Chamera I HPS (3*180)	540	535	549	524	13.02	542	12.83	0.18	
Chamera II HPS (3*100)	300	300	302	302	7.20	300	7.20	0.00	
Chamera III HPS (3*77)	231	230	238	236	5.65	236	5.52	0.14	
Bairasuli HPS(3*60)	180	179	184	185	4.38	182	4.29	0.09	
Salal-HPS (6*115)	690	651	677	664	15.85	661	15.63	0.23	
Tanakpur-HPS (3*31.4)	94	89	94	95	2.22	92	2.13	0.09	
Uri-I HPS (4*120)	480	474	480	481	11.61	484	11.37	0.23	
Uri-II HPS (4*60)	240	239	244	242	5.76	240	5.72	0.04	
Dhauliganga-HPS (4*70)	280	281	295	291	6.84	285	6.74	0.10	
Dulhasti-HPS (3*130)	390	101	401	0	2.51	105	2.43	0.09	
Sewa-II HPS (3*40)	120	126	133	131	3.14	131	3.02	0.11	
Parbati 3 (4*130)	520	482	522	253	6.91	288	7.04	-0.13	
Sub Total (C)	4065	3685	4118	3421	85	3545	84	1.16	
D. SJVNL									
NJPC (6*250)	1500	1513	1611	1514	37.17	1549	36.31	0.85	
Rampur HEP (6*68.67)	412	416	438	437	10.46	436	9.98	0.48	
Sub Total (D)	1912	1929	2049	1951	47.63	1985	46.29	1.34	
E. THDC									
Tehri HPS (4*250)	1000	897	909	892	21.47	895	21.32	0.15	
Koteswar HPS (4*100)	400	344	395	302	8.28	345	8.26	0.02	
Sub Total (E)	1400	1241	1304	1194	29.75	1239	29.57	0.17	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	898	1328	757	21.63	901	21.55	0.07	
Dehar HPS (6*165)	990	611	825	580	14.80	617	14.67	0.14	
Pong HPS (6*66)	396	123	0	198	2.98	124	2.94	0.03	
Sub Total (F)	2765	1632	2153	1535	39.41	1642	39.16	0.24	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	115	4.14	172	4.76	-0.62	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.44	1102	26.08	0.35	
Malana Stg-II HPS (2*50)	100	0	112	112	2.65	111	2.50	0.15	
Shree Cement TPS (2*150)	300	0	135	144	3.31	138	3.22	0.10	
Budhli HPS(IPP) (2*35)	70	0	76	75	1.79	74	1.79	0.00	
Sub Total (G)	1662	0	1654	1547	38.32	1597	38.35	-0.02	
H. Total Regional Entities (A-G)	25737	19602	21022	19527	457.31	19054	455.42	1.89	

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	690	560	14.52	605
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	85	0	1.06	44
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	878	560	16.56	690
Goindwal(GVK) (2*270)	540	180	180	4.74	197
Rajpura (2*700)	1400	1320	1320	31.57	1315
Tahwandi Saboo (3*660)	1980	1100	900	21.70	904

	Thermal (Total)	6560	4253	3520	90.13	3756	
	Total Hydro	1000	613	768	17.66	736	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	0	0	0.07	3	
	Solar	560	0	0	0.07	3	
	Renewable(Total)	848	0	0	0.14	6	
	Total Punjab	8408	4866	4288	107.94	4497	
Haryana	Panipat TPS (2*210+2*250)	920	603	570	13.51	563	
	DCRTPP (Yamuna nagar) (2*300)	600	479	526	11.61	484	
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	183	176	4.24	177	
	RGTPP (khedar) (IPP) (2*600)	1200	857	1007	20.29	845	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	1059	1153	23.14	964	
	Thermal (Total)	4497	3181	3432	72.78	3032	
	Total Hydro	62	34	33	0.81	34	
	Wind Power	0	0	0	0.00	0	
	Biomass	40	0	0	0.00	0	
	Solar	0	0	0	0.00	0	
	Renewable(Total)	40	0	0	0.00	0	
	Total Haryana	4599	3215	3465	73.59	3066	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	256	149	4.48	186
suratgarh TPS (6*250)		1500	178	222	4.67	195	
Chabra TPS (4*250)		1000	859	1174	22.27	928	
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	188	189	4.62	193	
RAPS A (NPC) (1*100+1*200)		300	163	161	4.02	168	
Barsingar (NLC) (2*125)		250	104	104	2.53	105	
Giral LTPS (2*125)		250	0	0	0.00	0	
Rajwest LTPS (IPP) (8*135)		1080	113	135	2.85	119	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	517	410	11.25	469	
Kawai(Adani) (2*660)		1320	568	448	12.61	525	
Thermal (Total)		9536	2946	2992	69.29	2887	
Total Hydro		550	93	97	2.03	85	
Wind power		4017	1236	1092	21.81	909	
Biomass		99	24	24	0.57	24	
Solar		1295	0	0	1.10	46	
Renewable/Others (Total)		5411	1260	1116	23.48	978	
Total Rajasthan		15497	4299	4205	94.80	3950	
UP		Anpara TPS (3*210+2*500)	1630	900	910	22.30	929
		Obra TPS (2*50+2*94+5*200)	1194	356	332	8.00	333
		Paricha TPS (2*110+2*220+2*250)	1160	748	677	17.30	721
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	441	444	9.60	400	
	Tanda TPS (NTPC) (4*110)	440	290	292	6.86	286	
	Roza TPS (IPP) (4*300)	1200	814	819	19.40	808	
	Anpara-C (IPP) (2*600)	1200	1128	881	25.70	1071	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	904	937	21.50	896	
	Lalitpur TPS(3*660)	1980	891	1225	19.00	792	
	Bara(2*660)	1320	605	602	14.50	604	
	Thermal (Total)	12449	7077	7119	164.16	6840	
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	9.10	379	
	Alaknanda(4*82.5)	330	342	337	7.80	325	
	Other Hydro	527	306	324	5.70	238	
	Cogeneration	981	0	0	0.00	0	
	Wind Power	0	0	0	0.00	0	
	Biomass	26	0	0	0.00	0	
	Solar	102	0	0	0.00	0	
	Renewable(Total)	128	0	0	0.00	0	
	Total UP	14855	8160	8215	186.76	7782	
	Uttarakhand	Other Hydro	1250	867	878	20.62	859
Total Gas		225	276	277	6.62	276	
Wind Power		0	0	0	0.00	0	
Biomass		127	0	0	0.00	0	
Solar		100	0	0	0.56	23	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		407	0	0	0.56	23	
Total Uttarakhand		1882	1143	1155	27.81	1159	
Delhi		Raighat TPS (2*67.5)	135	0	0	-0.01	0
		Delhi Gas Turbine (6x30 + 3x34)	282	32	35	0.80	33
	Pragati Gas Turbine (2x104+ 1x122)	330	265	261	6.37	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	420	418	10.08	420	
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	331	7.78	324	
	Thermal (Total)	2917	1047	1045	25.02	1043	
	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	1047	1045	25.02	1043		
HP	Baspa HPS (IPP) (3*100)	300	329	329	7.89	329	
	Malana HPS (IPP) (2*43)	86	108	107	2.57	107	
	Other Hydro (>25MW)	372	370	336	8.40	350	
	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	331	371	7.87	328	
	Renewable(Total)	486	331	371	7.87	328	
	Total HP	1244	1137	1143	26.74	1114	
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
Other Hydro/IPP(including 98 MW Small Hydro)		308	202	200	4.81	201	
Gas/Diesel/Others		190	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 Above		98	0	0	0.00	0	
Renewable(Total)		98	0	0	0.00	0	
Total J & K		1398	1085	1083	26	1084	
Total State Control Area Generation		50818	24952	24599	568.65	23694	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6779	9655	191.39	7974		
Total Regional Availability(Gross)	76555	52753	53781	1217.35	50723		

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11937	10294	255.98	10666
State Control Area Hydro	7243	5188	5375	116.46	5152
Total Regional Hydro	19477	17125	15669	372.45	15818

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	7436	1591	1487	32.05	1335
Total Regional Renewable	7466	1591	1487	32.17	1340

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-50	400	400	200	4.58	0.90	3.68
765 KV Gwalior-Agra (D/C)	2383	2677	2911	0	57.02	0.00	57.02
400 KV Zerda-Kankroli	64	139	244	0	3.50	0.00	3.50
400 KV Zerda-Bhinmal	145	153	290	46	3.13	0.00	3.13
220 KV Auraiya-Malanpur	-1	24	0	40	0.47	0.00	0.47
220 KV Badod-Kota/Morak	62	196	231	0	3.51	0.00	3.51
Mundra-Mohindergarh(HVDC Bipole)	0	0	0	0	0.00	0.00	0.00
400 KV RAPP-C-Sujalpur	101	170	220	0	2.74	0.00	2.74
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	828	1002	1148	0	21.33	0.00	21.33
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	26.03	0	26.03
Sub Total WR	4532	6261			122.31	0.90	121.42
400 kV Sasaram - Varanasi	-77	201	207	104	2.77	0.00	2.77
400 kV Sasaram - Allahabad	-147	39	49	195	0.00	0.43	-0.43
400 KV MZP- GKP (D/C)	202	385	569	0	8.40	0.00	8.40
400 KV Patna-Balia(D/C) X 2	522	603	670	0	13.57	0.00	13.57
400 KV B Sharif-Balia (D/C)	272	347	411	0	7.39	0.00	7.39
765 KV Gaya-Balia	304	380	404	0	7.80	0.00	7.80
765 KV Gaya-Varanasi (D/C)	188	272	381	0	5.50	0.00	5.50
220 KV Pusaui-Sahupuri	145	220	235	0	4.52	0.00	4.52
132 KV K'nasa-Sahupuri	0	0	1	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	-0.55	0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-63	-251	70	287	0.00	4.05	-4.05
400 KV Barh -GKP (D/C)	181	214	214	0	4.45	0.00	4.45
400 kV B Sharif - Varanasi (D/C)	20	-16	144	127	0.47	0.00	0.47
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1547	2394			55.82	3.93	51.89
+/- 800 KV HVDC BiswanathChariali-Agra	700	1000	1000	0.00	18.08	0.00	18.08
Sub Total NER	700	1000			18.08	0.00	18.08
Total IR Exch	6779	9655			196.21	4.82	191.39

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
44.00	3.70	47.70	8.62	4.10	-11.67	-0.25	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
44.65	142.36	187.01	69.97	121.42	191.39	25.32	-20.95	4.37

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-31	-24	0	31	0	1	-0.58

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	1.48	15.50	70.08	77.06	6.63	0.83	0.00	0.00

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
Freq	Time	Freq	Time	Hz	Index				
50.13	8.00	49.70	18.53	49.96	0.054	0.064	50.11	49.83	22.94

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	403	0:00	399	7:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	411	11:52	391	19:11	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	7:39	387	0:16	0.0	0.9	0.0	0.0	0.0
Kanpur	400	417	7:32	396	0:10	0.0	0.0	0.0	0.0	0.0
Dadri	400	411	6:03	392	0:19	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	415	6:03	393	0:12	0.0	0.0	0.0	0.0	0.0
Bawana	400	407	6:04	389	0:10	0.0	1.1	0.0	0.0	0.0
Bassi	400	423	7:20	398	0:10	0.0	0.0	4.2	0.0	4.2
Hissar	400	408	7:38	389	0:10	0.0	0.9	0.0	0.0	0.0
Moga	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	404	7:40	390	0:09	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	409	6:03	395	14:16	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	8:00	400	14:26	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	4:13	390	20:09	0.0	0.0	0.0	0.0	0.0
Amritsar	400	409	8:01	394	14:16	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	406	6:03	396	0:08	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	414	7:37	392	14:27	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 Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	779	6:01	740	0:16	0.0	0.3	0.0	0.0	0.0
Balia	765	776	7:32	739	0:16	0.0	0.8	0.0	0.0	0.0
Moga	765	781	8:01	756	23:18	0.0	0.0	0.0	0.0	0.0
Agra	765	793	6:03	752	0:16	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	789	6:00	758	0:07	0.0	0.0	0.0	0.0	0.0

Unnao	765	765	7:38	727	0:16	0.3	15.6	0.0	0.0	0.3
Lucknow	765	787	7:38	739	0:16	0.0	0.6	0.0	0.0	0.0
Meerut	765	796	7:33	753	0:15	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	790	6:01	754	0:09	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	798	7:32	740	0:16	0.0	0.5	0.0	0.0	0.0
Anta	765	789	17:40	762	0:09	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	6:03	761	0:09	0.0	0.0	0.0	0.0	0.0

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

IX. Reservoir Parameters:

Name of Reservoir	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	494.50	880.64	485.40	593.99	1581.86	707.58
Pong	426.72	384.05	409.16	464.36	401.41	252.05	1291.13	198.36
Tehri	829.79	740.04	793.75	509.80	787.90	425.58	715.43	549.00
Koteswar	612.50	598.50	609.72	4.44	610.28	4.70	549.00	545.80
Chamera-I	760.00	748.75	755.90	0.00	0.00	0.00	498.78	353.06
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	522.25	7.16	507.18	6.11	576.03	279.05

* 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	1679	0	0	1428	0	0	41.89	0.07	41.96
Delhi	814	-131	0	540	-120	0	17.91	-2.54	15.37
Haryana	911	184	0	886	34	0	21.47	3.80	25.27
HP	-1755	-148	0	-1543	-204	0	-35.18	-3.76	-38.95
J&K	-786	-498	0	-786	-66	0	-18.86	-6.60	-25.46
CHD	0	-40	0	0	-20	0	0.00	-0.46	-0.46
Rajasthan	-207	387	0	-207	253	0	-4.98	7.09	2.11
UP	371	893	0	218	400	0	5.63	3.99	9.62
Uttarakhand	-265	-221	0	-265	8	0	-6.37	-1.22	-7.58
Total	762	426	0	272	285	0	21.51	0.37	21.88

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2051	1428	53	0	0	0
Delhi	1041	540	136	-309	0	0
Haryana	1049	836	217	-11	0	0
HP	-1268	-1755	-108	-218	0	0
J&K	-786	-786	-5	-498	0	0
CHD	0	0	0	-55	0	0
Rajasthan	-207	-209	393	-1480	0	0
UP	1880	78	1036	-89	0	0
Uttarakhand	-265	-265	87	-222	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	0.69%
ER	0.00%
Simultaneous	8.68%

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

Rihand - Dadri	0.00%
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XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	1	13
Haryana	0	10
Rajasthan	0	10
Delhi	1	18
UP	2	14
Uttarakhand	1	22
HP	3	24
J & K	3	23
Chandigarh	3	26

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.07.2017 :

XVI. Synchronisation of new generating units :

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

1. Kishenpur – New Wanpoh Ckt III and Ckt IV 1st time charged and synchronized at 18.54 and 19.21 Hrs respectively on 29.07.2017.

2. Unit 1(200 MW) at Parbati 2 synchronized at 22.53 Hrs on 29.07.2017.

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 : 29.07.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER