

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOH188682

Power Supply Position in Northern Region for 31.07.2017

Date of Reporting : 01.08.2017



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
49061	1454	50515	49.99	47145	192	47337	50.00	1121.32	14.67

*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 MU's:

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	68.15	20.00	0.28	88.42	127.97	127.25	-0.72	215.67	0.00
Haryana	58.00	0.47	0.00	58.47	113.27	113.20	-0.07	171.68	0.00
Rajasthan	77.37	0.42	38.64	116.43	45.95	45.52	-0.43	161.95	0.00
Delhi	24.35		0.00	24.35	83.55	82.15	-1.40	106.50	0.01
UP	161.17	22.69	0.00	183.86	179.48	178.18	-1.30	362.04	5.02
Uttarakhand		11.81	7.19	19.00	17.00	18.50	1.50	37.50	0.16
HP		16.01	7.41	23.42	-0.63	1.51	2.13	24.93	1.14
J & K		26.03	0.00	26.03	12.50	8.99	-3.51	35.02	8.34
Chandigarh				0.00	6.27	6.04	-0.22	6.04	0.00
Total	389.04	97.43	53.52	539.98	585.36	581.34	-4.02	1121.32	14.67

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

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

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	8806	0	-29	1430	8679	0	4	2020	9372	11	0
Haryana	7333	54	58	891	7663	0	1	972	8217	1	0
Rajasthan	7078	0	180	-754	6887	0	-12	-68	7590	21	0
Delhi	4391	0	-24	501	4613	0	209	410	5144	1	0
UP	16361	815	-17	1455	15955	0	-152	1830	16361	20	815
Uttarakhand	1848	0	124	-248	1291	0	-199	-453	1848	20	0
HP	1164	135	275	-1640	749	0	-157	-1643	1276	12	0
J&K	1802	451	104	-887	1088	192	-420	-1274	1865	21	466
Chandigarh	277	0	5	-10	220	0	2	-35	286	15	0
Total	49061	1454	675	738	47145	192	-725	1759	49739	21	1738

* 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	1740	1925	1331	38.34	1597	37.70		0.64
Rihand I STPS (2*500)	1000	919	996	822	19.79	824	19.89		-0.10
Rihand II STPS (2*500)	1000	943	970	831	20.41	850	20.49		-0.08
Rihand III STPS (2*500)	1000	824	910	605	17.43	726	17.16		0.27
Dadri I STPS (4*210)	840	591	493	541	11.21	467	10.73		0.49
Dadri II STPS (2*490)	980	550	578	545	12.32	513	12.21		0.11
Unchahar I TPS (2*210)	420	383	406	326	7.45	310	7.92		-0.47
Unchahar II TPS (2*210)	420	382	340	285	6.64	277	6.94		-0.30
Unchahar III TPS (1*210)	210	192	177	158	3.38	141	3.57		-0.20
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajhar) (3*500)	1500	948	894	609	16.88	703	17.78		-0.91
Dadri GPS (4*130, 19+2*154.51)	830	768	173	135	3.27	136	3.40		-0.13
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	0.01	0	0.01		0.00
Unchahar Solar(10)	10	1	0	0	0.05	2	0.03		0.02
Singrauli Solar(15)	15	3	0	0	0.07	3	0.07		0.01
KHEP(4*200)	800	813	870	865	20.83	868	19.52		1.30
Sub Total (A)	12612	10060	8732	7053	178	7419	177		0.64
B. NPC									
NAPS (2*220)	440	380	416	425	9.29	387	9.12		0.17
RAPS- B (2*220)	440	362	408	410	8.79	366	8.64		0.15
RAPS- C (2*220)	440	430	450	452	9.63	401	10.32		-0.69
Sub Total (B)	1320	1172	1274	1287	27.70	1154	28.08		-0.38
C. NHPC									
Chamera I HPS (3*180)	540	535	547	544	13.03	543	12.83		0.20
Chamera II HPS (3*100)	300	272	302	302	6.52	272	6.53		0.00
Chamera III HPS (3*77)	231	230	236	235	5.61	234	5.52		0.10
Bairasuli HPS(3*60)	180	179	184	187	4.38	183	4.29		0.09
Salal-HPS (6*115)	690	643	684	682	15.78	657	15.48		0.30
Tanakpur-HPS (3*31.4)	94	88	94	97	2.19	91	2.11		0.08
Uri-I HPS (4*120)	480	473	482	480	11.59	483	11.36		0.23
Uri-II HPS (4*60)	240	239	244	241	5.75	240	5.72		0.03
Dhauliganga-HPS (4*70)	280	281	289	264	6.72	280	6.65		0.07
Dulhasti-HPS (3*130)	390	387	398	399	9.38	391	9.28		0.10
Sewa-II HPS (3*40)	120	126	133	132	3.16	132	3.02		0.14
Parbati 3 (4*130)	520	453	522	389	8.75	364	8.69		0.06
Sub Total (C)	4065	3904	4114	3952	93	3869	91		1.38
D.SJVNL									
NJPC (6*250)	1500	1453	1627	1562	35.55	1481	34.91		0.63
Rampur HEP (6*68.67)	412	389	434	432	9.75	406	9.49		0.26
Sub Total (D)	1912	1842	2061	1994	45.29	1887	44.40		0.90
E. THDC									
Tehri HPS (4*250)	1000	920	923	920	21.96	915	22.08		-0.12
Koteshwar HPS (4*100)	400	344	395	304	8.27	345	8.26		0.02
Sub Total (E)	1400	1264	1318	1224	30.23	1260	30.34		-0.10
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	896	1323	756	21.59	899	21.50		0.08
Dehar HPS (6*165)	990	612	825	590	14.94	622	14.69		0.25
Pong HPS (6*66)	396	177	330	132	4.32	180	4.26		0.06
Sub Total (F)	2765	1685	2478	1478	40.84	1702	40.45		0.39
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	231	5.50	229	5.09		0.41
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	25.85	1077	26.08		-0.23
Malana Stg-II HPS (2*50)	100	0	112	112	2.65	110	2.50		0.15
Shree Cement TPS (2*150)	300	0	99	116	2.81	117	2.86		-0.05
Budhli HPS(IPP) (2*35)	70	0	75	75	1.79	75	1.79		0.01
Sub Total (G)	1662	0	1616	1633	38.61	1609	38.32		0.29
H. Total Regional Entities (A-G)	25737	19927	21593	18622	453.59	18900	450.48		3.11

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	640	640	14.34	598
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	80	80	1.79	75
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	559	775	14.29	595
Goindwal(GVK) (2*270)	540	180	180	4.38	183
Rajpura (2*700)	1400	760	660	18.20	758
Tahwandi Saboo (3*660)	1980	616	616	15.14	631

	Thermal (Total)	6560	2835	2951	68.15	2839	
	Total Hydro	1000	908	743	20.00	833	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	0	0	0.21	9	
	Solar	560	0	0	0.07	3	
	Renewable(Total)	848	0	0	0.28	12	
	Total Punjab	8408	3743	3694	88.42	3684	
Haryana	Panipat TPS (2*210+2*250)	920	396	402	9.58	399	
	DCRTPP (Yamuna nagar) (2*300)	600	439	505	10.79	450	
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	187	177	4.28	178	
	RGTPP (khedar) (IPP) (2*600)	1200	377	759	14.75	615	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar (CLP) (2*660)	1320	731	861	18.61	775	
	Thermal (Total)	4497	2130	2704	58.00	2417	
	Total Hydro	62	0	35	0.47	20	
	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	2130	2739	58.47	2436	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	151	284	4.24	177	
	suratgarh TPS (6*250)	1500	176	172	4.37	182	
	Chabra TPS (4*250)	1000	1088	919	22.61	942	
	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	184	189	4.58	191	
	RAPS A (NPC) (1*100+1*200)	300	164	164	4.03	168	
	Barsingar (NLC) (2*125)	250	99	113	2.43	101	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	472	403	8.02	334	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	-7	410	4.72	197	
	Kawai(Adani) (2*660)	1320	1077	863	22.37	932	
	Thermal (Total)	9536	3404	3517	77.37	3224	
	Total Hydro	550	31	0	0.42	17	
	Wind power	4017	1469	1663	36.84	1535	
	Biomass	99	15	15	0.36	15	
	Solar	1295	0	0	1.44	60	
	Renewable/Others (Total)	5411	1484	1678	38.64	1610	
	Total Rajasthan	15497	4919	5195	116.43	4851	
UP	Anpara TPS (3*210+2*500)	1630	927	896	22.84	952	
	Obra TPS (2*50+2*94+5*200)	1194	349	326	8.58	357	
	Paricha TPS (2*110+2*220+2*250)	1160	634	642	14.90	621	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	450	448	10.50	437	
	Tanda TPS (NTPC) (4*110)	440	373	292	7.73	322	
	Roza TPS (IPP) (4*300)	1200	814	801	19.33	805	
	Anpara-C (IPP) (2*600)	1200	1127	1127	26.61	1109	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	967	908	21.62	901	
	Lalitpur TPS(3*660)	1980	750	569	14.59	608	
	Bara(2*660)	1320	602	605	14.49	604	
	Thermal (Total)	12449	6993	6614	161.17	6715	
	Vishnuparyag HPS (IPP)(4*110)	440	395	435	10.27	428	
	Alaknanda(4*82.5)	330	336	330	7.78	324	
	Other Hydro	527	267	323	4.64	193	
	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	7991	7702	183.86	7661	
	Uttarakhand	Other Hydro	1250	501	814	11.81	492
Total Gas		225	282	283	6.74	281	
Wind Power		0	0	0	0.00	0	
Biomass		127	0	0	0.00	0	
Solar		100	0	0	0.45	19	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		407	0	0	0.45	19	
Total Uttarakhand		1882	783	1097	19.00	792	
Delhi		Raighat TPS (2*67.5)	135	0	0	-0.01	0
		Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.82	34
	Pragati Gas Turbine (2x104+ 1x122)	330	251	261	6.35	264	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	424	419	10.10	421	
	Badarpur TPS (NTPC) (3*95+2*210)	705	326	328	7.10	296	
	Thermal (Total)	2917	1037	1044	24.35	1015	
	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	1037	1044	24.35	1015		
HP	Baspa HPS (IPP) (3*100)	300	0	333	5.25	219	
	Malana HPS (IPP) (2*43)	86	110	98	2.51	105	
	Other Hydro (>25MW)	372	365	382	8.24	343	
	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	169	410	7.41	309	
	Renewable(Total)	486	169	410	7.41	309	
	Total HP	1244	644	1223	23.42	976	
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	884	884	21.22	884	
	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	1086	1084	26	1085	
Total State Control Area Generation		50818	22333	23778	539.98	22499	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7714	6876	157.22	6551	
Total Regional Availability(Gross)		76555	51640	49276	1150.78	47949	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	12283	10956	264.06	11002
State Control Area Hydro	7243	4450	5270	104.83	4668
Total Regional Hydro	19477	16733	16226	368.89	15670

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	7436	1653	2088	46.78	1949
Total Regional Renewable	7466	1653	2088	46.91	1955

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	
Vindhyachal(HVDC B/B)	-50	200	400	500	1.41	3.00	-1.60
765 KV Gwalior-Agra (D/C)	2764	2024	2912	0	52.59	0.00	52.59
400 KV Zerda-Kankroli	179	-42	237	116	0.44	0.00	0.44
400 KV Zerda-Bhinmal	207	-106	218	158	0.00	0.25	-0.25
220 KV Auraiya-Malanpur	23	-12	0	61	0.03	0.00	0.03
220 KV Badod-Kota/Morak	56	25	101	0	1.02	0.00	1.02
Mundra-Mohindergarh(HVDC Bipole)	0	0	0	0	0.00	0.00	0.00
400 KV RAPP- Sujalpur	76	143	111	159	0.00	0.00	0.00
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	829	538	1116	0	16.40	0.00	16.40
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	31.09	0	31.09
Sub Total WR	5584	4270			102.97	3.25	99.73
400 kV Sasaram - Varanasi	161	167	178	0	3.98	0.00	3.98
400 kV Sasaram - Allahabad	32	15	43	0	0.54	0.00	0.54
400 KV MZP- GKP (D/C)	206	249	406	0	6.56	0.00	6.56
400 KV Patna-Balia(D/C) X 2	440	448	512	0	10.56	0.00	10.56
400 KV B Sharif-Balia (D/C)	221	206	274	0	5.00	0.00	5.00
765 KV Gaya-Balia	289	240	303	0	5.19	0.00	5.19
765 KV Gaya-Varanasi (D/C)	214	65	88	252	2.36	0.00	2.36
220 KV Pusauli-Sahupuri	140	211	223	0	4.45	0.00	4.45
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-23	-30	0	36	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-164	-228	0	228	0.00	4.00	-4.00
400 KV Barh -GKP (D/C)	210	176	213	0	4.35	0.00	4.35
400 kV B Sharif - Varanasi (D/C)	104	87	156	0	2.13	0.00	2.13
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1830	1606			45.12	4.60	40.51
+/- 800 KV HVDC BiswanathChariali-Agra	300	1000	1000	0.00	16.98	0.00	16.98
Sub Total NER	300	1000			16.98	0.00	16.98
Total IR Exch	7714	6876			165.07	7.85	157.22

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
34.99	3.69	38.67	13.45	8.79	-20.03	-0.39	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
32.10	131.58	163.68	57.49	99.73	157.22	25.39	-31.86	-6.46

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	-25	-21	0	26	0	1	-0.54

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	0.13	3.77	42.10	79.64	15.32	1.93	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				
50.19	18.04	49.79	11.50	50.00	0.028	0.053	50.12	49.84	20.36

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	12:18	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	413	5:09	387	19:34	0.0	0.9	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	5:05	393	19:35	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	6:01	397	19:33	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	6:00	398	11:51	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	414	6:02	397	11:53	0.0	0.0	0.0	0.0	0.0
Bawana	400	409	6:33	396	19:36	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	18:02	401	22:15	0.0	0.0	4.9	0.0	4.9
Hissar	400	412	18:01	396	0:21	0.0	0.0	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	411	6:02	398	12:23	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	413	6:55	403	12:27	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	5:01	403	20:34	0.0	0.0	0.0	0.0	0.0
Wagoora	400	407	2:32	388	20:27	0.0	4.1	0.0	0.0	0.0
Amritsar	400	411	18:02	402	12:18	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	405	0:00	405	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	5:05	398	11:52	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	18:02	741	19:34	0.0	0.3	0.0	0.0	0.0
Balia	765	777	5:06	740	19:32	0.0	0.8	0.0	0.0	0.0
Moga	765	786	18:02	762	19:34	0.0	0.0	0.0	0.0	0.0
Agra	765	793	18:02	755	19:35	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	18:02	768	19:24	0.0	0.0	0.0	0.0	0.0

Unnao	765	775	5:10	737	19:37	0.0	4.8	0.0	0.0	0.0
Lucknow	765	786	5:10	744	19:35	0.0	0.0	0.0	0.0	0.0
Meerut	765	801	18:04	765	19:36	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	794	18:03	761	19:35	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	791	5:09	750	19:35	0.0	0.0	0.0	0.0	0.0
Anta	765	793	18:06	766	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	18:07	764	22:33	0.0	0.0	0.2	0.0	0.2

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	495.89	937.45	486.11	619.14	1870.81	697.84
Pong	426.72	384.05	410.59	514.41	402.80	281.22	2007.83	277.05
Tehri	829.79	740.04	797.15	562.80	790.30	457.60	953.23	549.00
Koteswar	612.50	598.50	609.74	4.44	609.65	4.44	549.00	545.89
Chamera-I	760.00	748.75	757.98	0.00	0.00	0.00	590.99	353.46
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	522.36	9.15	507.58	6.08	804.98	281.99

* 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	2020	0	0	1430	0	0	46.66	0.07	46.73
Delhi	814	-404	0	541	-40	0	17.62	-2.64	14.98
Haryana	852	119	0	862	29	0	18.62	1.29	19.92
HP	-1452	-191	0	-1297	-343	0	-31.16	-5.76	-36.92
J&K	-782	-492	0	-782	-106	0	-18.76	-7.13	-25.89
CHD	0	-35	0	0	-10	0	0.00	-0.32	-0.32
Rajasthan	-207	139	0	-207	-547	0	-4.97	-0.83	-5.81
UP	651	1179	0	883	573	0	9.73	8.46	18.18
Uttarakhand	-265	-189	0	-265	16	0	-6.35	-1.73	-8.08
Total	1632	127	0	1165	-427	0	31.37	-8.59	22.78

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2133	1430	54	0	0	0
Delhi	1047	541	133	-550	0	0
Haryana	895	739	187	-275	0	0
HP	-1092	-1550	-165	-454	0	0
J&K	-782	-782	-55	-497	0	0
CHD	0	0	20	-60	0	0
Rajasthan	-206	-209	380	-1281	0	0
UP	1886	73	1667	-89	0	0
Uttarakhand	-265	-265	65	-193	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	0.69%

(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	11
Rajasthan	2	17
Delhi	3	26
UP	0	7
Uttarakhand	3	28
HP	4	37
J & K	3	16
Chandigarh	3	31

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 31.07.2017 :

XVI. Synchronisation of new generating units :

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

- I) 400kV Bay no. 103 charged for the first time to put ICT-III on load at 400/132 kV Agra South at 15.00Hrs on 31.07.2017.
- II) 400kV Gorakhpur- Motihari-II (LILo of 400kV Gorakhpur- Barh-II at Motihari) charged for the first time at 22.12 Hrs on 31.07.2017.
- III) 400kV RAPP C- Kota charged for the first time at 19.50Hrs on 31.07.2017.

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 : 31.07.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER