

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI186882

Power Supply Position in Northern Region for 24.06.2018

Date of Reporting : 25.06.2018



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
55227	444	55671	49.95	58812	806	59618	49.99	1360.15	10.69

* 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	Gas/Naphtha/Diesel	Solar	Wind	Other (Biomass/Small hydro/Co-Generation etc.)	Total					
Punjab	107.21	13.82	0.00	4.16	0.00	2.66	127.84	124.14	123.88	-0.26	251.72	0.00
Haryana	68.14	0.39	0.82	0.16	0.00	0.64	70.15	131.68	134.21	2.53	204.36	0.02
Rajasthan	114.17	0.00	3.64	13.15	25.09	4.46	160.52	65.33	66.61	1.28	227.13	0.00
Delhi	7.10	0.00	23.04	0.00	0.00	0.00	30.14	96.87	95.98	-0.89	126.12	0.04
UP	217.98	17.08	0.00	2.89	0.00	6.00	243.95	187.55	188.41	0.86	432.36	0.00
Uttarakhand	0.00	17.27	6.55	0.00	0.00	0.74	24.57	17.91	20.47	2.56	45.03	0.94
HP	0.00	15.08	0.00	0.00	0.00	3.28	18.36	7.42	8.70	1.28	27.06	0.00
J & K	0.00	25.43	0.00	0.00	0.00	0.00	25.43	18.39	15.49	-3.50	40.92	9.69
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.71	5.45	-0.27	5.45	0.00
Total	514.58	89.08	34.06	20.36	25.09	17.78	700.95	655.60	659.20	3.60	1360.15	10.69

* Storage 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	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction			
Punjab	10542	0	1	1427	9816	0	-55	1724	11056	16	0
Haryana	8064	0	82	1642	9727	0	-11	1871	9954	1	0
Rajasthan	7683	0	-135	-126	9658	0	-67	-128	10004	2	0
Delhi	4785	0	-212	255	5899	0	124	621	6275	1	0
UP	19106	0	131	2512	19306	270	195	2959	19641	1	260
Uttarakhand	1982	0	96	-7	1739	300	194	-137	2047	22	0
HP	1052	0	-97	-1521	1100	0	47	-1484	1318	11	0
J&K	1776	444	-274	-640	1337	236	-163	-844	1965	21	491
Chandigarh	235	0	-48	0	229	0	-5	24	292	23	0
Total	55227	444	-456	3541	58812	806	259	4607	60580	1	667

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

III. Regional Entities :

A. NTPC	Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
		(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
	Singrauli STPS (6*200+2*500)	2000	1197	1334	1329	29.30	1221	28.28	1.02
	Rihand I STPS (2*500)	1000	923	998	1013	21.67	903	21.63	0.04
	Rihand II STPS (2*500)	1000	943	983	1013	22.13	922	22.12	0.01
	Rihand III STPS (2*500)	1000	943	962	1003	21.87	911	21.76	0.11
	Dadri I STPS (4*210)	840	769	515	657	12.79	533	12.99	-0.20
	Dadri II STPS (2*490)	980	929	761	937	20.10	837	19.93	0.17
	Unchahar I TPS (2*210)	420	382	380	395	8.23	343	8.88	-0.65
	Unchahar II TPS (2*210)	420	382	332	394	8.12	338	8.65	-0.53
	Unchahar III TPS (1*210)	210	191	168	199	4.00	167	4.28	-0.28
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	853	898	904	20.00	833	19.83	0.17
	Dadri GPS (4*130.19+2*154.51)	830	0	282	306	6.18	258	6.51	-0.33
	Anta GPS (3*88.71+1*153.2)	419	0	205	378	5.72	238	5.74	-0.02
	Auraya GPS (4*111.19+2*109.30)	663	0	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	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.08	3	0.05	0.03
	KHEP(4*200)	800	872	867	624	10.22	426	10.03	0.19
	Sub Total (A)	12612	8388	8685	9152	190	7936	191	-0.28
B. NPC	NAPS (2*220)	440	187	204	205	4.33	180	4.49	-0.16
	RAPS- B (2*220)	440	358	398	397	8.52	355	8.59	-0.07
	RAPS- C (2*220)	440	402	451	451	9.68	403	9.78	-0.10
	Sub Total (B)	1320	947	1053	1053	22.53	939	22.86	-0.33
C. NHPC	Chamera I HPS (3*180)	540	534	542	25	5.66	236	5.50	0.16
	Chamera II HPS (3*100)	300	296	299	201	5.48	228	5.40	0.08
	Chamera III HPS (3*77)	231	162	234	160	4.00	167	3.90	0.10
	Bairasul HPS(3*60)	180	54	120	51	1.23	51	1.22	0.01
	Salaj-HPS (6*115)	690	632	665	684	15.64	652	15.16	0.48
	Tanakpur-HPS (3*31.4)	94	58	76	55	1.48	62	1.39	0.09
	Uri-I HPS (4*120)	480	405	368	447	10.14	423	9.72	0.42
	Uri-II HPS (4*60)	240	226	243	234	5.51	230	5.42	0.09
	Dhauliganga-HPS (4*70)	280	250	277	140	5.06	211	4.93	0.13
	Dulhasti-HPS (3*130)	390	385	403	396	9.34	389	9.25	0.09
	Sewa-II HPS (3*40)	120	125	127	0	0.42	17	0.40	0.02
	Parbati 3 (4*130)	520	56	505	0	1.34	56	1.35	-0.01
	Kishanganga(3*110)	330	122	182	108	2.59	108	2.94	-0.35
	Sub Total (C)	4395	3306	4039	2501	68	2829	67	1.32
D.SJVNL	NJPC (6*250)	1500	1605	1633	1271	33.81	1409	33.70	0.11
	Rampur HEP (6*68.67)	412	442	444	362	9.65	402	9.34	0.31
	Sub Total (D)	1912	2047	2077	1633	43.45	1811	43.04	0.41
E. THDC	Tehri HPS (4*250)	1000	496	511	0	3.30	138	3.30	0.00
	Koteswar HPS (4*100)	400	75	100	70	1.85	77	1.81	0.04
	Sub Total (E)	1400	571	611	70	5.15	215	5.11	0.04
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	973	1121	835	23.28	970	23.35	-0.07
	Dehar HPS (6*165)	990	376	825	330	9.29	387	9.03	0.26
	Pong HPS (6*68)	396	108	144	48	2.51	104	2.60	-0.09
	Sub Total (F)	2765	1458	2090	1213	35.07	1461	34.98	0.09
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	95	58	1.39	58	1.40	-0.01
	Karcharm Wangtoo HPS(IPP) (4*250)	1000	0	1000	765	19.74	823	19.60	0.14
	Malana Sta-II HPS (2*50)	100	0	80	0	1.08	45	1.00	0.08
	Shree Cement TPS (2*150)	300	0	189	201	4.00	167	4.06	-0.06
	Budhil HPS(IPP) (2*35)	70	0	70	44	1.11	46	1.65	-0.54
	Sani HPS (IPP) (2*50)	100	0	0	0	0.00	1.19	0.00	0.00
	Sub Total (G)	1762	0	1434	1068	27.32	1138	27.71	-0.39
H. Total Regional Entities (A-G)		26167	16717	19988	16690	391.90	16329	391.03	0.87

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	690	16.45	685	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	923	793	19.36	807	
	Goidwal(GVK) (2*270)	540	0	0	-0.05	-2	
	Rajpura (2*700)	1400	1320	1320	31.61	1317	
	Talwandi Saboo (3*660)	1980	1700	1700	39.86	1661	
	Thermal (Total)	6560	4583	4503	107.21	4467	
	Total Hydro	1000	506	484	13.82	576	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.66	111	
	Solar	859	0	0	4.16	173	
	Renewable(Total)	1162	0	0	6.81	284	
	Total Punjab	8722	5089	4987	127.84	5327	
	Haryana	Panipat TPS (2*210+2*250)	920	547	764	16.96	707
		DCRTPP (Yamuna nagar) (2*300)	600	469	548	11.60	483
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	163	0.82	34	
RGTPP (kherda) (IPP) (2*600)		1200	746	746	18.05	752	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	774	1159	21.53	897	
Thermal (Total)		4497	2536	3380	68.96	2873	
Total Hydro		62	22	17	0.39	16	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.64	27	
Solar		50	0	0	0.16	7	
Renewable(Total)		156	0	0	0.80	33	
Total Haryana		4715	2558	3397	70.15	2923	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	820	987	21.20	883
		suratgarh TPS (6*250)	1500	1066	1298	27.60	1150
	Chabra TPS (4*250)	1000	739	885	20.08	837	
	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	151	153	3.64	152	
	RAPS A (NPC) (1*100+1*200)	300	165	168	3.92	163	
	Barsingsar (NLC) (2*125)	250	217	197	5.04	210	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	420	701	15.39	641	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	405	559	11.49	479	
	Kawai(Adani) (2*660)	1320	445	612	13.38	558	
	Thermal (Total)	9536	4428	5560	121.73	5072	
	Total Hydro	550	0	0	0.00	0	
	Wind power	4292	1176	1232	25.09	1046	
	Biomass	102	23	23	0.54	23	
	Solar	1995	0	0	13.15	548	
	Renewable/Others (Total)	6389	1199	1255	38.79	1616	
	Total Rajasthan	16475	5627	6815	160.52	6688	
	UP	Anpara TPS (3*210+2*500)	1630	1304	1311	33.34	1389
Obra TPS (2*50+2*94+5*200)		1194	510	474	12.29	512	
Paricha TPS (2*110+2*220+2*250)		1160	892	886	19.91	830	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	511	522	11.97	499	
Tanda TPS (NTPC) (4*110)		440	383	403	7.86	328	
Roza TPS (IPP) (4*300)		1200	1033	810	18.09	754	
Anpara-C (IPP) (2*600)		1200	1101	1096	25.93	1080	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	401	401	7.24	302	
Anpara-D(2*500)		1000	943	919	21.81	909	
Lalitpur TPS(3*660)		1980	1388	1382	31.82	1326	
Bara(3*660)		1980	1107	1119	27.72	1155	
Thermal (Total)		13109	9573	9323	217.98	9082	
Vishnupurayag HPS (IPP)(4*110)		440	435	435	10.47	436	
Alakananda(4*82.5)		330	232	228	4.90	204	
Other Hydro		527	46	193	1.71	71	
Cogeneration		1360	250	250	6.00	250	
Wind Power		0	0	0	0.00	0	
Biomass	26	0	0	0.00	0		
Solar	472	0	0	2.89	120		
Renewable(Total)	498	0	0	2.89	120		
Total UP	16264	10536	10429	243.95	10165		
Uttarakhand	Other Hydro	1250	720	666	17.27	720	
	Total Gas	450	268	281	6.55	273	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.00	0	
	Small Hydro (< 25 MW)	180	0	0	0.74	31	
	Renewable(Total)	407	0	0	0.74	31	
Total Uttarakhand	2107	988	947	24.57	1024		
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	139	140	3.23	135	
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.40	267	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	540	543	13.41	559	
	Badarpur TPS (NTPC) (3*95+2*210)	705	340	310	7.10	296	
	Thermal (Total)	2917	1284	1258	30.14	1256	
	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	1284	1258	30.14	1256		

HP	Baspa HPS (IPP) (3*100)	300	329	329	7.82	326	
	Malana HPS (IPP) (2*43)	86	39	0	0.98	41	
	Other Hydro (>25MW)	372	287	260	6.28	262	
	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	170	115	3.28	137	
	Renewable(Total)	486	170	115	3.28	137	
	Total HP	1244	825	704	18.36	765	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
		Other Hydro/IPP(Including 98 MW Small Hydro)	308	176	178	4.24	177
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	1059	1061	25.43	1060	
Total State Control Area Generation		53860	27966	29598	700.95	29206	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		11577	14690.26	289.40	12058		
Total Regional Availability(Gross)		80027	59532	60979	1382.25	57594	

IV. Total Hydro Generation:

Regional Entities Hydro	12564	10859	6864	185.11	7667
State Control Area Hydro	7468	4113	4069	89.08	4152
Total Regional Hydro	20032	14972	10933	274.19	11819

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.15	6
State Control Area Renewable	9214	1369	1370	53.31	2221
Total Regional Renewable	9244	1369	1370	53.46	2228

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

Element	Peak(20:00 Hrs) MW	Diff Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	50	250	250	3.01	1.16	1.84
765 KV Gwalior-Agra (D/C)	2051	2633	2706	0	55.25	0.00	55.25
400 KV Zerda-Kankroli	-326	-309	0	404	0.00	6.81	-6.81
400 KV Zerda-Bhinmal	-273	-286	0	392	0.00	5.65	-5.65
220 KV Auraiya-Malanpur	5	28	2	0	0.41	0.00	0.41
220 KV Badod-Kota/Morak	-55	44	82	55	0.44	0.00	0.44
Mundra-Mohindergarh(HVDC Bipole)	1998	2504	2505	0	48.14	0.00	48.14
400 KV RAPPK-Sujalpur	122	230	367	35	5.79	0.00	5.79
400 KV Vindhychal-Rihand	911	955	0	963	0.00	22.29	-22.29
765 kv Phagt-Gwalior (D/C)	939	1338	751	0	32.00	0.00	32.00
+/- 800 KV HVDC Champa-Kurushetra	1500	1500	1500	0	32.50	0	32.50
765KV Orai-Jabalpur	1031	1251	784	0	28.18	0	28.18
765KV Orai-Satna	1746	1821	1821	0	41.90	0	41.90
765KV Orai-Gwalior	-469	-437	0	566	0.00	11	-11.50
Sub Total WR	8929	11321			247.61	47.41	200.20
400 kV Sasaram - Varanasi	-54	-42	67	0	1.57	0.00	1.57
400 kV Sasaram - Allahabad	-7	7	25	17	0.54	0.00	0.54
400 KV MZP- GKP (D/C)	548	680	828	0	17.30	0.00	17.30
400 KV Patna-Balia(D/C) X 2	790	855	1044	0	18.42	0.00	18.42
400 KV B'Sharif-Balia (D/C)	449	558	622	0	13.31	0.00	13.31
765 KV Gaya-Balia	443	553	560	0	11.83	0.00	11.83
765 KV Gaya-Varanasi (D/C)	404	617	657	0	12.53	0.00	12.53
220 KV Pusaui-Sahupuri	175	181	190	0	4.28	0.00	4.28
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-22	-27	0	28	0.00	0.47	-0.47
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-9	53	164	71	1.72	0.00	1.72
400 KV Mothari -GKP (D/C)	76	151	186	0	2.12	0.00	2.12
400 kV B'Sharif - Varanasi (D/C)	-145	-217	298	0	5.08	0.00	5.08
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2648	3369			89.66	0.47	89.19
+/- 800 KV HVDC Biswanath-Charialli-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	11577	14690			337.27	47.87	289.40

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
60.96	1.65	62.61	45.64	39.53	-0.20	4.30	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
106.40	180.63	287.03	89.19	200.20	289.40	-17.21	19.57	2.37

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

Element	Peak(20:00 Hrs) MW	Diff Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-19	-18	0	29	0	0	-0.45

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	0.00	2.70	53.60	83.80	9.50	4.50	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index	Std. Dev.	(Hz)	(Hz)	
50.19	8.47	49.85	0.16	50.00	0.029	0.054	50.13	49.89	16.20

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	405	10:36	399	0:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	6:06	397	20:14	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	412	6:01	395	0:18	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	17:38	400	23:08	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	18:02	395	0:19	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	414	18:02	391	0:23	0.0	0.0	0.0	0.0	0.0
Bawana	400	411	17:59	393	0:18	0.0	0.0	0.0	0.0	0.0
Bassi	400	418	18:01	390	23:07	0.0	0.0	0.0	0.0	0.0
Hissar	400	411	18:03	390	0:18	0.0	0.0	0.0	0.0	0.0
Moga	400	407	8:01	395	14:38	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	410	6:01	396	0:16	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	412	6:04	400	14:45	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	407	5:08	398	14:38	0.0	0.0	0.0	0.0	0.0
Wagooora	400	403	3:20	391	9:20	0.0	0.0	0.0	0.0	0.0
Amritsar	400	406	8:00	392	14:54	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	5:23	396	14:32	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	407	6:01	386	0:29	0.0	3.3	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	786	17:37	741	23:20	0.0	0.5	0.0	0.0	0.0
Balia	765	788	17:26	759	0:24	0.0	0.0	0.0	0.0	0.0
Moga	765	794	18:03	766	0:28	0.0	0.0	0.0	0.0	0.0
Agra	765	795	18:03	750	23:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	795	17:40	761	0:25	0.0	0.0	0.0	0.0	0.0
Unnao	765	772	17:33	741	23:15	0.0	1.1	0.0	0.0	0.0
Lucknow	765	795	17:37	761	23:19	0.0	0.0	0.0	0.0	0.0
Meerut	765	781	0:00	781	0:00	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	794	18:04	754	23:19	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	795	17:38	763	23:10	0.0	0.0	0.0	0.0	0.0
Anta	765	793	18:14	763	22:52	0.0	0.0	0.0	0.0	0.0
Phagi	765	799	18:00	759	23:16	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	456.50	95.38	476.71	387.82	608.47	1015.33
Pong	426.72	384.05	390.43	59.64	393.02	93.10	25.34	219.20
Tehri	829.79	740.04	741.75	8.19	743.05	14.41	182.64	119.00
Koteswar	612.50	598.50	610.71	4.93	611.26	5.20	119.00	121.64
Chamera-I	760.00	748.75	751.96	0.00	0.00	0.00	149.18	153.57
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 Saagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	502.00	4.37	513.67	9.47	144.53	172.05

* 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	1724	0	0	1427	0	0	39.30	0.00	39.30
Delhi	1163	-543	0	1071	-816	0	28.51	-15.19	13.32
Haryana	1870	0	0	1638	4	0	33.90	0.04	33.94
HP	-1483	-2	0	-1383	-138	0	-30.58	1.09	-29.49
J&K	-1094	250	0	-1094	453	0	-26.25	10.30	-15.95
CHD	0	24	0	0	0	0	0.00	0.17	0.17
Rajasthan	-52	-75	0	-52	-74	0	-1.25	1.05	-0.20
UP	2194	765	0	1729	783	0	46.15	7.45	53.60
Uttarakhand	-144	6	0	-144	137	0	-3.45	4.71	1.26
Total	4180	427	0	3192	349	0	86.33	9.62	95.95

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1724	1427	0	0	0	0
Delhi	1274	1063	-151	-1078	0	0
Haryana	1870	1162	13	-193	0	0
HP	-1124	-1485	293	-245	0	0
J&K	-1094	-1094	523	185	0	0
CHD	0	0	24	-15	0	0
Rajasthan	-52	-52	597	-81	0	0
UP	2229	1723	1076	0	0	0
Uttarakhand	-143	-144	436	6	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	14.24%
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	0	8
Haryana	3	27
Rajasthan	1	13
Delhi	4	27
UP	0	10
Uttarakhand	1	24
HP	4	17
J & K	0	12
Chandigarh	5	27

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 24.06.2018 :****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 : 24.06.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER