

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682
Power Supply Position in Northern Region for 30.04.2018
Date of Reporting : 01.05.2018



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
44799	628	45428	50.00	39297	202	39498	50.03	1008.04	11.13

*Half hourly two 15 minutes block-one block 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)							UJ (OG: (+ve), UD: (-ve))				
	Thermal	Hydro	Gas/Naphtha/ Diesel	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total	Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages* (MU)
Punjab	66.79	8.07	0.00	3.24	0.00	2.90	80.98	64.63	64.74	0.11	145.73	0.00
Haryana	62.52	0.34	7.53	0.15	0.00	1.25	71.79	70.79	73.90	3.11	145.69	0.83
Rajasthan	97.58	0.14	3.43	12.41	34.02	0.69	148.28	60.34	60.90	0.56	209.18	0.00
Delhi	3.24	0.00	19.09	0.00	0.00	0.00	22.33	80.46	79.94	-0.52	192.27	0.00
UP	162.77	7.72	0.00	0.00	0.00	20.40	190.89	98.92	103.43	-4.51	294.32	0.00
Uttarakhand	0.00	12.11	6.84	0.67	0.00	0.00	19.62	19.45	19.74	0.29	39.36	0.00
HP	0.00	8.62	0.00	0.00	0.00	3.79	12.40	11.78	11.98	0.20	24.39	0.28
J & K	0.00	18.34	0.00	0.00	0.00	0.00	18.34	25.76	23.90	-1.86	42.24	10.02
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.01	4.87	-0.14	4.87	0.00
Total	392.90	55.34	36.89	16.47	34.02	29.01	564.63	437.14	443.41	6.27	1008.04	11.13

* 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				UI/OA/PX/IOD/Import: (+ve), UI/Export: (-ve)		Shortage (MW)
	Demand Met	Shortage	UI	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction	Maximum Demand Met (MW) and Time(Hrs)		
Punjab	6034	0	45	-204	5730	0	76	-405	6855	22	0
Haryana	7086	0	110	177	6387	0	89	667	7521	24	138
Rajasthan	7385	0	-36	-7	8673	0	391	0	9534	8	0
Delhi	4367	0	-85	-31	4360	0	135	-127	5181	24	0
UP	14701	120	-44	150	10554	0	-1173	612	15776	24	0
Uttarakhand	1890	0	141	204	1490	0	73	210	1890	20	0
HP	1074	0	-80	-808	798	0	-50	-294	1372	11	52
J&K	2034	508	63	-390	1143	202	-400	-290	2155	21	539
Chandigarh	229	0	-27	-15	162	0	-8	0	245	15	0
Total	44799	628	87	-925	39297	202	-869	373	48367	24	458

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

III. Regional Entities :

Entity	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	Diversity is 1.04 UI (OG: (+ve), UG: (-ve))	
									Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1140	1226	1016	26.23	1093	24.96		1.27
	Rihand I STPS (2*500)	1000	694	480	977	14.23	593	14.78		-0.55
	Rihand II STPS (2*500)	1000	837	1005	490	18.10	754	18.28		-0.18
	Rihand III STPS (2*500)	1000	943	943	972	20.23	843	19.76		0.47
	Dadri I STPS (4*210)	840	769	479	446	10.69	445	10.97		-0.28
	Dadri II STPS (2*490)	980	929	552	827	16.45	685	17.36		-0.91
	Unchahar I TPS (2*210)	420	382	320	244	5.66	236	5.75		-0.09
	Unchahar II TPS (2*210)	420	382	334	255	5.76	240	6.11		-0.35
	Unchahar III TPS (1*210)	210	0	0	0	0.00	0	0.00		0.00
	Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00		0.00
	ISTPP (Jhajjar) (3*500)	1500	948	934	957	20.86	869	21.48		-0.62
	Dadri GPS (4*130.19+2*154.51)	830	0	112	117	2.80	117	2.87		-0.07
	Anta GPS (3*88.71+1*153.2)	419	0	0	0	0.00	0	0.00		0.00
	Auraya GPS (4*111.19+2*109.30)	663	0	0	0	0.00	0	0.00		0.00
	Dadri Solar(S)	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	2	0	0	0.07	3	0.05		0.02
	KHEP(4*200)	800	792	663	0	4.78	199	4.60		0.18
	Sub Total (A)	12612	7820	7048	6301	146	6080	147		-1.12
	B. NPC	NAPS (2*220)	440	186	199	215	4.46	186	4.46	
RAPS- B (2*220)		440	238	360	205	5.55	231	5.71		-0.16
RAPS- C (2*220)		440	410	462	458	9.72	405	9.84		-0.12
Sub Total (B)		1320	834	1021	878	19.73	822	20.01		-0.28
C. NHPC	Chamera I HPS (3*180)	540	534	542	143	7.78	324	7.60		0.18
	Chamera II HPS (3*100)	300	296	299	200	5.30	221	5.25		0.05
	Chamera III HPS (3*77)	231	228	231	159	3.71	155	3.62		0.09
	Bairasul HPS(3*60)	180	84	120	102	1.92	80	1.90		0.02
	Salat-HPS (6*115)	690	436	450	421	11.18	466	10.45		0.73
	Tanakpur-HPS (3*31.4)	94	29	51	31	0.83	34	0.70		0.13
	Uri-I HPS (4*120)	480	474	484	485	11.74	489	11.38		0.36
	Uri-II HPS (4*60)	240	238	245	244	5.84	243	5.70		0.14
	Dhauliganga-HPS (4*70)	280	277	277	0	2.17	90	2.20		-0.03
	Dulhaasi-HPS (3*130)	390	387	414	396	9.41	392	9.28		0.13
	Sewa-II HPS (3*40)	120	119	120	0	1.68	70	1.70		-0.02
	Parbati 3 (4*130)	520	37	393	0	0.94	39	0.90		0.04
	Sub Total (C)	4065	3138	3625	2181	62	2604	61		1.81
	D.SJVNL	NJPC (6*250)	1500	1497	1507	502	14.97	624	14.81	
Rampur HEP (6*88.67)		412	412	407	146	4.31	180	4.13		0.18
Sub Total (D)		1912	1910	1914	648	19.29	804	18.94		0.35
E. THDC	Tehri HPS (4*250)	1000	447	450	0	3.59	149	3.57		0.02
	Koteshwar HPS (4*100)	400	74	102	69	1.77	74	1.77		0.00
Sub Total (E)	1400	521	552	69	5.36	223	5.34		0.02	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	616	1083	389	14.86	619	14.78		0.08
	Dehar HPS (6*165)	990	313	660	330	7.71	321	7.52		0.19
	Pong HPS (6*66)	396	70	156	52	1.59	66	1.68		-0.10
	Sub Total (F)	2765	999	1899	771	24.15	1006	23.98		0.17
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	200	127	1.85	77	1.92		-0.07
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	150	7.80	325	7.92		-0.12
	Malana Stg-II HPS (2*50)	100	0	0	0	0.71	30	0.66		0.05
	Shree Cement TPS (2*150)	300	0	252	207	4.87	203	5.11		-0.24
	Budhil HPS(IPP) (2*35)	70	0	66	10	0.72	30	0.96		-0.24
	Saini HPS (IPP) (2*50)	100	0	0	0	0.69	0.69			0.00
	Sub Total (G)	1762	0	1518	494	15.95	665	16.57		-0.62
H. Total Regional Entities (A-G)	25837	15222	17577	11342	292.89	12204	292.56		0.33	

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	210	3.91	163
	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	190	252	4.79	200
	Goindwal(GVK) (2*270)	540	145	246	4.69	195
	Rajpura (2*700)	1400	760	1320	28.08	1170
	Talwandi Saboo (3*660)	1980	924	1150	25.29	1054
	Thermal (Total)	6560	2179	3178	66.79	2783
	Total Hydro	1000	304	188	8.07	336
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.90	121
	Solar	859	0	0	3.24	135
	Renewable(Total)	1162	0	0	6.13	256
	Total Punjab	8722	2483	3366	80.98	3374
	Haryana	Panipat TPS (2*210+2*250)	920	825	758	18.68
DCRTPP (Yamuna nagar) (2*300)		600	287	293	6.62	276
Faridabad GPS (NTPC)(2*137.75+1*156)		432	365	303	7.53	314
RGTPP (kherda) (IPP) (2*600)		1200	1068	1044	23.38	974
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	575	604	13.83	576
Thermal (Total)		4497	3120	3002	70.05	2919
Total Hydro		62	10	17	0.34	14
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	1.25	52
Solar		50	0	0	0.15	6
Renewable(Total)		156	0	0	1.40	58
Total Haryana		4715	3130	3019	71.79	2991
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	895	1038	22.12
	suratgarh TPS (6*250)	1500	857	864	20.80	867
	Chabra TPS (4*250)	1000	553	683	14.77	616
	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	129	154	3.43	143
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	109	110	2.54	106
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	517	948	18.34	764
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	559	10.78	449
	Kawai(Adani) (2*660)	1320	434	0	8.23	343
	Thermal (Total)	9536	3903	4356	101.02	4209
	Total Hydro	550	0	0	0.14	6
	Wind power	4292	951	1256	34.02	1418
	Biomass	102	29	29	0.69	29
	Solar	1995	29	0	12.41	517
	Renewable/Others (Total)	6389	1009	1285	47.12	1963
	Total Rajasthan	16475	4912	5641	148.28	6178
	UP	Anpara TPS (3*210+2*500)	1630	1332	807	27.41
Obra TPS (2*50+2*94+5*200)		1194	493	299	9.35	390
Paricha TPS (2*110+2*220+2*250)		1160	520	527	12.59	525
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	311	318	7.61	317
Tanda TPS (NTPC) (4*110)		440	232	216	5.36	223
Roza TPS (IPP) (4*300)		1200	605	582	14.37	599
Anpara-C (IPP) (2*600)		1200	1092	652	19.30	804
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	223	221	5.24	218
Anpara-D(2*500)		1000	760	515	16.26	677
Lalitpur TPS(3*660)		1980	1039	1025	26.16	1090
Bara(3*660)		1980	1096	680	19.13	797
Thermal (Total)		13109	7703	5842	162.77	6782
Vishnupurayag HPS (IPP)(4*110)		440	217	217	5.09	212
Alakananda(4*82.5)		330	142	81	2.17	90
Other Hydro		527	34	3	0.46	19
Cogeneration		981	850	850	20.40	850
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	15515	8946	6993	190.89	7954	
Uttarakhand	Other Hydro	1250	703	404	12.11	505
	Total Gas	450	281	292	6.84	285
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.67	28
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.67	28
Total Uttarakhand	2107	984	696	19.62	818	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	86	72	1.76	73
	Pragati Gas Turbine (2x104+ 1x122)	330	262	262	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	446	519	10.95	456
	Badarpur TPS (NTPC) (3*95+2*210)	705	147	144	3.24	135
	Thermal (Total)	2917	941	997	22.33	930
	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	941	997	22.33	930	

HP	Baspa HPS (IPP) (3*100)	300	172	149	3.04	127	
	Malana HPS (IPP) (2*43)	86	27	7	0.70	29	
	Other Hydro (>25MW)	372	221	211	4.88	203	
	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	197	149	3.79	158	
	Renewable(Total)	486	197	149	3.79	158	
	Total HP	1244	617	517	12.40	517	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	589	589	14.14	589
		Other Hydro/IPP(Including 98 MW Small Hydro)	308	182	160	4.20	175
		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	771	749	18	764	
Total State Control Area Generation		53111	22784	21977	564.63	23526	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			4944	5270	168.91	7038	
Total Regional Availability(Gross)		78948	45305	38589	1026.43	42768	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9853	3945	127.15	5268
State Control Area Hydro	7468	3079	2468	55.34	2776
Total Regional Hydro	19702	12933	6413	182.49	8044

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	8844	1206	1434	59.11	2463
Total Regional Renewable	8874	1206	1434	59.24	2468

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	250	250	0	5.32	0.00	5.32
765 KV Gwalior-Agra (D/C)	1432	1409	1609	0	31.28	0.00	31.28
400 KV Zerda-Kankroli	-423	-347	0	445	0.00	9.18	-9.18
400 KV Zerda-Bhinmal	-275	-338	0	462	0.00	8.10	-8.10
220 KV Auraiya-Malanpur	-157	-111	0	157	0.00	2.65	-2.65
220 KV Badod-Kota/Morak	-12	43	131	43	0.47	0.00	0.47
Mundra-Mohindergarh(HVDC Bipole)	298	498	503	0	10.98	0.00	10.98
400 KV RAPP-C-Sujalpur	123	108	182	0	2.19	0.00	2.19
400 KV Vindhychal-Rihand	-891	-925	0	961	0.00	20.43	-20.43
765 KV Phagt-Gwalior (D/C)	982	1489	1592	0	32.51	0.00	32.51
+/- 800 KV HVDC Champa-Kurushetra	1650	1000	2000	0	26.12	0	26.12
765KV Orai-Jabalpur	0	0	0	0	11.27	0	11.27
765KV Orai-Satna	0	0	0	0	38.68	0	38.68
765KV Orai-Gwalior	0	0	0	0	0.00	8	-7.64
Sub Total WR	2977	3076			158.83	48.00	110.82
400 kV Sasaram - Varanasi	106	66	107	0	2.14	0.00	2.14
400 kV Sasaram - Allahabad	34	77	77	0	1.29	0.00	1.29
400 KV MZP- GKP (D/C)	122	144	388	0	5.28	0.00	5.28
400 KV Patna-Balia(D/C) X 2	325	403	552	0	10.38	0.00	10.38
400 KV B'Sharif-Balia (D/C)	124	145	261	0	3.96	0.00	3.96
765 KV Gaya-Balia	261	207	353	0	6.16	0.00	6.16
765 KV Gaya-Varanasi (D/C)	128	229	508	0	6.52	0.00	6.52
220 KV Pusaali-Sahupuri	168	109	176	0	3.58	0.00	3.58
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.44	-0.44
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-188	-63	111	188	0.00	0.41	-0.41
400 KV Mothari -GKP (D/C)	116	154	255	0	1.26	0.00	1.26
400 kV B'Sharif - Varanasi (D/C)	71	23	136	98	0.87	0.00	0.87
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1267	1494			42.39	0.85	41.54
+/- 800 KV HVDC Biswanath-Charialli-Agra	700	700	700	0.00	16.55	0.00	16.55
Sub Total NER	700	700			16.55	0.00	16.55
Total IR Exch	4944	5270			217.77	48.86	168.91

2.65

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
45.30	0.41	45.71	-6.82	-8.02	4.56	-0.10	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
43.04	113.45	156.49	58.09	110.82	168.91	15.05	-2.63	12.42

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	-28	-2	0	31	0	0	-0.36

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	0.41	39.83	79.22	16.89	3.56	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.20	17.04	49.88	12.08	50.01	0.025	0.048	50.14	49.93	20.78

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	406	18:22	400	0:01	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	428	2:52	106	0:00	4.1	28.6	0.0	0.0	32.7
Bareilly(PG)400kV	400	418	2:28	396	23:21	0.0	0.0	0.0	0.0	0.0
Kanpur	400	422	4:03	401	23:14	0.0	0.0	2.7	0.0	2.7
Dadri	400	420	4:01	402	23:07	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	418	4:03	397	23:17	0.0	0.0	0.0	0.0	0.0
Bawana	400	418	4:02	398	23:16	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	18:30	392	23:16	0.0	0.0	0.0	0.0	0.0
Hissar	400	415	4:09	396	23:14	0.0	0.0	0.0	0.0	0.0
Moga	400	415	4:07	402	23:09	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	423	4:06	403	23:08	0.0	0.0	4.8	0.0	4.8
Nalagarh	400	424	4:01	409	19:31	0.0	0.0	16.1	0.0	16.1
Kishenpur	400	417	4:07	407	21:07	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	3:18	393	6:40	0.0	0.0	0.0	0.0	0.0
Amritsar	400	421	4:05	408	21:21	0.0	0.0	1.3	0.0	1.3
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	8:51	411	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	414	4:02	390	23:14	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	784	4:01	750	23:16	0.0	0.0	0.0	0.0	0.0
Balia	765	799	2:57	760	23:14	0.0	0.0	0.0	0.0	0.0
Moga	765	791	3:14	765	23:16	0.0	0.0	0.0	0.0	0.0
Agra	765	787	4:05	757	23:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	4:00	765	23:15	0.0	0.0	0.0	0.0	0.0
Unnao	765	783	4:02	739	23:18	0.0	1.4	0.0	0.0	0.0
Lucknow	765	801	4:19	757	23:19	0.0	0.0	0.9	0.0	0.9
Meerut	765	803	4:05	764	23:16	0.0	0.0	1.6	0.0	1.6
Jhatikara	765	792	4:03	759	23:15	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	786	10:31	756	23:15	0.0	0.0	0.0	0.0	0.0
Anta	765	793	4:03	768	23:15	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:35	767	0:00	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	468.36	243.71	470.78	282.71	313.92	526.95
Pong	426.72	384.05	394.20	111.75	396.50	151.67	36.27	126.63
Tehri	829.79	740.04	751.40	59.18	752.55	66.98	77.18	121.00
Koteswar	612.50	598.50	610.13	4.63	611.10	4.95	4.95	117.33
Chamera-I	760.00	748.75	755.15	0.00	0.00	0.00	174.79	210.85
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	498.81	2.13	515.99	6.88	204.65	129.40

* 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	-405	0	0	-204	0	0	-5.91	0.00	-5.91
Delhi	-112	-15	0	24	-55	0	0.62	0.02	0.64
Haryana	164	503	0	164	12	0	-1.24	3.46	2.22
HP	-167	-127	0	-207	-601	0	-3.44	-3.96	-7.40
J&K	-269	-20	0	-269	-121	0	-6.47	0.21	-6.26
CHD	0	0	0	0	-15	0	0.00	0.53	0.53
Rajasthan	-8	8	0	-8	1	0	-0.20	2.98	2.78
UP	612	0	0	125	25	0	5.16	0.16	5.32
Uttarakhand	45	165	0	79	125	0	1.22	5.20	6.42
Total	-140	514	0	-296	-629	0	-10.26	8.60	-1.66

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	405	204	0	0	0	0
Delhi	194	11	435	0	0	0
Haryana	271	164	693	5	0	0
HP	208	88	674	3	0	0
J&K	269	269	307	0	0	0
CHD	0	0	69	0	0	0
Rajasthan	8	8	826	1	0	0
UP	638	63	25	0	0	0
Uttarakhand	79	20	490	0	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%
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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	15
Haryana	4	28
Rajasthan	3	19
Delhi	5	30
UP	2	17
Uttarakhand	3	19
HP	4	28
J & K	2	16
Chandigarh	7	74

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 30.04.2018 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1. 315 MVA ICT-1 at 400 kV Muradabad first time charged on load at 19.04 Hrs of 30.04.18.

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 : 30.04.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER