

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009G01186822

Power Supply Position in Northern Region for 27.04.2018
Date of Reporting : 28.04.2018



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
46959	1037	47996	50.02	45826	515	46341	49.89	1060.13	13.76

*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	69.33	2.94	0.00	3.24	0.00	2.90	78.40	64.68	63.53	-1.15	141.93	0.00
Haryana	61.39	0.45	7.83	0.14	0.00	1.04	70.85	69.77	72.87	3.10	143.73	1.87
Rajasthan	108.18	0.00	3.46	8.45	20.84	0.67	141.60	65.42	66.58	1.16	208.17	0.54
Delhi	3.86	0.00	19.92	0.00	0.00	23.78	80.34	80.14	80.14	-0.20	103.91	0.04
UP	199.09	7.20	0.00	3.30	0.00	20.40	229.99	110.42	114.64	4.22	344.63	1.00
Uttarakhand	0.00	8.95	6.74	0.65	0.00	0.00	16.33	22.56	27.07	4.51	43.40	0.00
HP	0.00	7.59	0.00	0.00	0.00	4.29	11.88	12.56	13.88	1.32	25.75	0.00
J & K	0.00	13.68	0.00	0.00	0.00	0.00	13.68	29.93	30.05	0.12	43.72	10.31
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.79	4.87	0.08	4.87	0.00
Total	441.86	40.79	37.95	15.77	20.84	29.30	586.51	460.47	473.62	13.15	1060.13	13.76

* 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			STOAPX transaction	Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)		
	Demand Met	Shortage	UI	Demand Met	Shortage	UI					
Punjab	6081	0	-118	6021	0	9	-409	6609	22	0	
Haryana	7004	217	121	154	6894	113	166	738	7004	20	217
Rajasthan	8041	0	-310	-8	8463	0	218	-42	9748	8	0
Delhi	4530	0	-69	-110	4159	0	102	-355	5094	17	0
UP	15821	280	-360	128	15840	120	215	524	16220	2	50
Uttarakhand	2004	0	239	308	1749	0	230	492	2080	19	0
HP	1102	0	-21	-735	942	0	59	-282	1372	8	0
J&K	2161	540	250	-125	1599	282	-91	-26	2161	20	540
Chandigarh	215	0	-31	-25	159	0	-11	0	252	15	0
Total	46959	1037	-299	-621	45826	515	896	640	47648	21	545

*STOAX 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 Gross (MW)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU	
										Diversity is 1.06
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1168	1297	1299	28.96	1207	28.03	0.93	
	Rihand I STPS (2*500)	1000	682	918	796	16.20	675	16.36	-0.16	
	Rihand II STPS (2*500)	1000	943	1002	1008	22.99	958	22.59	0.40	
	Rihand III STPS (2*500)	1000	943	954	1005	22.51	938	22.52	-0.01	
	Dadri I STPS (4*210)	840	582	561	583	12.05	502	12.88	-0.83	
	Dadri II STPS (2*490)	980	929	950	1001	21.76	906	21.54	0.22	
	Unchahar I TPS (2*210)	420	382	394	386	8.50	354	8.88	-0.38	
	Unchahar II TPS (2*210)	420	382	391	390	8.65	360	8.98	-0.33	
	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	994	983	21.23	885	21.61	-0.38	
	Dadri GPS (4*130.19+2*154.51)	830	0	150	155	3.67	153	3.93	-0.26	
	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(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	0.06	3	0.05	0.01	
	KHEP(4*200)	800	792	866	220	4.62	192	4.18	0.44	
	Sub Total (A)	12612	7755	8477	7826	171	7136	172	-0.36	
	B. NPC	NAPS (2*220)	440	186	206	212	4.47	186	4.46	0.01
RAPS- B (2*220)		440	226	207	210	4.14	172	5.43	-1.30	
RAPS- C (2*220)		440	414	461	461	9.78	408	9.94	-0.16	
Sub Total (B)		1320	826	874	883	18.39	766	19.83	-1.44	
C. NHPC		Chamera I HPS (3*180)	540	534	547	543	8.24	343	8.04	0.20
	Chamera II HPS (3*100)	300	296	299	291	5.37	224	5.20	0.17	
	Chamera III HPS (3*77)	231	228	228	162	3.64	152	3.47	0.17	
	Bairasul HPS(3*60)	180	86	73	102	2.14	89	2.02	0.12	
	Salat-HPS (6*115)	690	370	340	435	9.69	404	8.88	0.81	
	Tanakpur-HPS (3*31.4)	94	22	33	23	0.64	27	0.53	0.11	
	Ur-I HPS (4*120)	480	474	484	484	11.75	489	11.38	0.37	
	Ur-II HPS (4*60)	240	238	242	243	5.79	241	5.71	0.08	
	Dhauliganga-HPS (4*70)	280	277	281	0	1.93	80	1.84	0.09	
	Dulhaasi-HPS (3*130)	390	385	404	400	9.11	379	8.92	0.19	
	Sewa-II HPS (3*40)	120	119	118	124	1.54	64	1.50	0.04	
	Parbati 3 (4*130)	520	57	387	0	1.26	53	1.36	-0.10	
	Sub Total (C)	4065	3086	3434	2716	61	2545	59	2.24	
	D.SJVNL	NJPC (6*250)	1500	1497	1491	0	13.73	572	13.30	0.43
		Rampur HEP (6*88.67)	412	412	424	0	3.93	164	3.70	0.23
Sub Total (D)		1912	1910	1915	0	17.65	736	17.00	0.65	
E. THDC	Tehri HPS (4*250)	1000	450	452	0	3.62	151	3.60	0.02	
	Koteswar HPS (4*100)	400	74	100	72	1.81	75	1.77	0.04	
	Sub Total (E)	1400	524	552	72	5.43	226	5.37	0.06	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	455	845	365	11.07	461	10.92	0.15	
	Dehar HPS (6*165)	990	358	660	330	8.83	368	8.58	0.24	
	Pong HPS (6*66)	396	23	104	0	0.58	24	0.56	0.02	
	Sub Total (F)	2765	836	1609	695	20.48	853	20.06	0.42	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	57	0	1.36	57	1.44	-0.08	
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	0	7.45	310	7.14	0.31	
	Malana Stg-II HPS (2*50)	100	0	30	105	0.64	27	0.60	0.04	
	Shree Cement TPS (2*150)	300	0	250	256	6.12	255	6.24	-0.12	
	Budhil HPS(IPP) (2*35)	70	0	70	35	0.76	32	1.10	-0.34	
	Saini HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.95	0.00	
Sub Total (G)	1762	0	1408	396	16.33	681	16.52	-0.19		
H. Total Regional Entities (A-G)	25837	14936	18269	12588	310.64	12943	309.25	1.39		

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	0	1.94	81
	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	189	202	4.24	177
	Goindwal(GVK) (2*270)	540	145	246	4.39	183
	Rajpura (2*700)	1400	1020	1320	27.13	1131
	Talwandi Saboo (3*660)	1980	1074	1700	31.64	1318
	Thermal (Total)	6560	2588	3468	69.33	2889
	Total Hydro	1000	26	25	2.94	122
	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	2614	3493	78.40	3267
	Haryana	Panipat TPS (2*210+2*250)	920	812	833	18.62
DCRTPP (Yamuna nagar) (2*300)		600	292	291	6.29	262
Faridabad GPS (NTPC)(2*137.75+1*156)		432	303	303	7.83	326
RGTPP (kherda) (IPP) (2*600)		1200	1140	1158	23.05	960
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	583	600	13.43	560
Thermal (Total)		4497	3129	3185	69.23	2884
Total Hydro		62	6	20	0.45	19
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	1.04	43
Solar		50	0	0	0.14	6
Renewable(Total)		156	0	0	1.18	49
Total Haryana		4715	3135	3205	70.85	2952
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	970	929	25.25
	suratgarh TPS (6*250)	1500	865	1148	25.75	1073
	Chabra TPS (4*250)	1000	690	673	16.27	678
	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	153	153	3.46	144
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	111	112	2.57	107
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	957	969	23.62	984
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0
	Kawai(Adani) (2*660)	1320	619	605	14.74	614
	Thermal (Total)	9536	4365	4589	111.64	4652
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	803	1056	20.84	868
	Biomass	102	28	28	0.67	28
	Solar	1995	78	0	8.45	352
	Renewable/Others (Total)	6389	859	1084	29.96	1248
	Total Rajasthan	16475	5224	5673	141.60	5900
	UP	Anpara TPS (3*210+2*500)	1630	1320	1322	33.40
Obra TPS (2*50+2*94+5*200)		1194	498	506	11.70	488
Paricha TPS (2*110+2*220+2*250)		1160	600	875	14.80	617
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	537	529	10.50	438
Tanda TPS (NTPC) (4*110)		440	389	392	7.39	308
Roza TPS (IPP) (4*300)		1200	1033	1083	20.90	871
Anpara-C (IPP) (2*600)		1200	1078	1090	25.50	1063
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	401	399	7.40	308
Anpara-D(2*500)		1000	918	909	21.80	908
Lalitpur TPS(3*660)		1980	1211	1222	24.70	1029
Bara(3*660)		1980	1045	839	21.00	875
Thermal (Total)		13109	9030	9166	199.09	8296
Vishnupurayag HPS (IPP)(4*110)		440	157	109	3.80	158
Alakananda(4*82.5)		330	83	0	1.50	63
Other Hydro		527	185	33	1.90	79
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	3.30	138	
Renewable(Total)	128	0	0	3.30	138	
Total UP	15515	10305	10158	229.99	9583	
Uttarakhand	Other Hydro	1250	579	245	8.95	373
	Total Gas	450	277	285	6.74	281
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.65	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.65	27
	Total Uttarakhand	2107	856	530	16.33	681
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	95	71	1.91	80
	Pragati Gas Turbine (2x104+ 1x122)	330	261	263	6.51	271
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	452	452	11.50	479
	Badarpur TPS (NTPC) (3*95+2*210)	705	181	146	3.86	161
	Thermal (Total)	2917	989	932	23.78	991
	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	989	932	23.78	991	

HP	Baspa HPS (IPP) (3*100)	300	82	174	2.54	106	
	Malana HPS (IPP) (2*43)	86	43	40	0.50	21	
	Other Hydro (>25MW)	372	145	178	4.55	190	
	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	202	164	4.29	179	
	Renewable(Total)	486	202	164	4.29	179	
	Total HP	1244	472	557	11.88	495	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	440	440	10.56	440
		Other Hydro/IPP(Including 98 MW Small Hydro)	308	106	144	3.12	130
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	546	584	14	570	
Total State Control Area Generation		53111	24141	25131	586.51	24438	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		4892	5497	174.04	7252		
Total Regional Availability(Gross)		78948	47302	43217	1071.19	44633	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9463	3809	119.48	4947
State Control Area Hydro	7468	2331	1858	40.79	2186
Total Regional Hydro	19702	11795	5666	160.27	7133

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	8844	1061	1248	45.51	1896
Total Regional Renewable	8874	1061	1248	45.64	1902

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	250	2.53	2.68	-0.15
765 KV Gwalior-Agra (D/C)	700	600	780	0	32.18	0.00	32.18
400 KV Zerda-Kankroli	-320	-300	0	430	0.00	8.76	-8.76
400 KV Zerda-Bhinmal	280	268	0	445	0.00	7.45	-7.45
220 KV Auraiya-Malanpur	-175	-150	0	177	0.00	3.45	-3.45
220 KV Badod-Kota/Morak	-44	28	42	77	0.00	0.38	-0.38
Mundra-Mohindergarh(HVDC Bipole)	298	301	303	0	7.37	0.00	7.37
400 KV RAPP-C-Sujalpur	102	193	193	0	2.46	0.00	2.46
400 KV Vindhychal-Rihand	-907	-958	0	958	0.00	22.64	-22.64
765 KV Phagt-Gwalior (D/C)	1170	1506	1496	0	34.60	0.00	34.60
+/- 800 KV HVDC Champa-Kurushetra	2000	1500	2000	0	46.87	0	46.87
765KV Orai-Jabalpur	0	0	0	0	11.05	0	11.05
765KV Orai-Satna	0	0	0	0	38.44	0	38.44
765KV Orai-Gwalior	0	0	0	0	0.00	8	-7.97
Sub Total WR	3354	2738			175.48	53.32	122.16
400 kV Sasaram - Varanasi	-89	-57	0	89	0.00	1.55	-1.55
400 kV Sasaram - Allahabad	-115	-49	0	115	0.00	1.49	-1.49
400 KV MZP- GKP (D/C)	-8	212	300	55	2.63	0.00	2.63
400 KV Patna-Balia(D/C) X 2	268	615	660	0	11.30	0.00	11.30
400 KV B'Sharif-Balia (D/C)	46	211	227	0	3.62	0.00	3.62
765 KV Gaya-Balia	180	336	401	0	7.17	0.00	7.17
765 KV Gaya-Varanasi (D/C)	200	459	555	0	7.39	0.00	7.39
220 KV Pusaui-Sahupuri	187	161	187	0	3.66	0.00	3.66
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	22	0	25	0.00	0.50	-0.50
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-35	7	96	88	0.55	0.00	0.55
400 KV Mothari -GKP (D/C)	167	221	232	0	3.85	0.00	3.85
400 kV B'Sharif - Varanasi (D/C)	37	-79	110	64	-0.91	0.00	-0.91
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	838	2059			39.25	3.54	35.71
+/- 800 KV HVDC Biswanath-Charialli-Agra	700	700	700	0.00	16.17	0.00	16.17
Sub Total NER	700	700			16.17	0.00	16.17
Total IR Exch	4892	5497			230.90	56.86	174.04

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
56.70	0.38	57.08	-7.07	-8.04	6.82	-0.95	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
56.45	111.70	168.15	51.88	122.16	174.04	-4.57	10.46	5.89

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	-23	-26	0	31	0	1	-0.65

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	1.96	20.86	76.76	73.03	5.53	0.63	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)	
50.18	18.01	49.73	14.10	49.95	0.070	0.067	50.10	49.79	26.97

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	403	4:00	400	22:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	13:02	396	22:52	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	7:01	399	0:36	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	8:02	401	19:25	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	7:01	404	16:31	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	415	7:00	400	16:35	0.0	0.0	0.0	0.0	0.0
Bawana	400	416	7:01	400	19:25	0.0	0.0	0.0	0.0	0.0
Bassi	400	412	5:00	391	23:08	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	13:00	398	22:50	0.0	0.0	0.0	0.0	0.0
Moga	400	414	13:00	402	22:46	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	418	8:02	402	19:14	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	8:10	407	19:25	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	416	13:01	406	19:27	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	3:24	392	19:52	0.0	0.0	0.0	0.0	0.0
Amritsar	400	419	13:01	406	19:24	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	414	9:56	405	22:47	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	8:02	390	18:38	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	766	8:02	738	19:26	0.0	3.9	0.0	0.0	0.0
Balia	765	784	8:02	758	0:33	0.0	0.0	0.0	0.0	0.0
Moga	765	792	13:01	768	19:27	0.0	0.0	0.0	0.0	0.0
Agra	765	783	7:00	759	19:26	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	794	6:01	771	19:25	0.0	0.0	0.0	0.0	0.0
Unnao	765	769	8:10	740	0:37	0.0	3.0	0.0	0.0	0.0
Lucknow	765	792	8:02	760	0:32	0.0	0.0	0.0	0.0	0.0
Meerut	765	800	8:01	769	19:27	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	793	6:03	762	19:27	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	802	8:02	768	0:35	0.0	0.0	1.0	0.0	1.0
Anta	765	790	13:05	768	0:03	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	5:01	747	0:06	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	468.77	248.16	470.64	277.56	271.95	369.17
Pong	426.72	384.05	394.31	116.59	396.64	151.67	52.84	46.86
Tehri	829.79	740.04	751.90	62.55	754.20	78.38	53.84	122.00
Koteswar	612.50	598.50	610.26	4.69	610.87	4.95	122.00	119.79
Chamera-I	760.00	748.75	756.56	0.00	0.00	0.00	186.67	223.61
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	498.13	0.75	516.27	4.26	142.85	37.41

* 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	-409	0	0	-207	0	0	-5.98	0.00	-5.98
Delhi	-114	-240	0	21	-131	0	0.71	-2.65	-1.94
Haryana	246	492	0	147	6	0	-1.35	1.84	0.49
HP	-178	-104	0	-217	-518	0	-3.53	-4.14	-7.67
J&K	-254	227	0	-254	128	0	-6.09	6.92	0.83
CHD	0	0	0	0	-25	0	0.00	0.22	0.22
Rajasthan	-8	-34	0	-8	0	0	-0.20	-0.23	-0.43
UP	524	0	0	128	0	0	4.56	0.00	4.56
Uttarakhand	43	449	0	76	232	0	1.28	8.61	9.89
Total	-150	790	0	-313	-307	0	-10.60	10.57	-0.03

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	409	207	0	0	0	0
Delhi	191	14	557	10	0	0
Haryana	289	147	503	0	0	0
HP	219	83	640	19	0	0
J&K	254	254	474	10	0	0
CHD	0	0	59	0	0	0
Rajasthan	8	8	889	0	0	0
UP	540	50	0	0	0	0
Uttarakhand	76	39	537	95	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	13
Haryana	3	21
Rajasthan	2	23
Delhi	1	23
UP	1	14
Uttarakhand	3	26
HP	6	26
J & K	2	15
Chandigarh	6	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.04.2018 :

XVI. Synchronisation of new generating units :

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

315 MVA ICT-2 at 400 kV Banda first time charged on No load from 400 kV side at 1731 hrs

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 : 27.04.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER