

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682
Power Supply Position in Northern Region for 25.04.2018
Date of Reporting : 26.04.2018



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
46203	562	46764	50.02	42640	781	43422	50.00	1016.53	12.63

*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)							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	70.28	2.99	0.00	3.24	0.00	2.90	79.41	50.34	50.73	0.38	130.13	0.00
Haryana	61.34	0.37	4.65	0.18	0.00	0.89	67.43	62.29	65.25	2.96	132.68	2.73
Rajasthan	106.33	0.00	3.77	12.35	20.11	0.81	143.37	55.21	58.51	3.30	201.89	0.50
Delhi	3.30	0.00	17.26	0.00	0.00	0.00	20.56	75.78	73.43	-2.35	93.99	0.05
UP	199.39	6.01	0.00	3.78	0.00	20.40	229.57	118.51	120.29	-3.78	349.86	0.00
Uttarakhand	0.00	8.52	6.78	0.72	0.00	0.00	16.01	22.67	22.83	0.16	38.84	0.00
HP	0.00	6.45	0.00	0.00	0.00	4.48	10.93	13.75	13.97	0.22	24.90	0.01
J & K	0.00	12.40	0.00	0.00	0.00	0.00	12.40	31.70	27.40	-4.30	39.80	9.34
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.36	4.45	0.09	4.45	0.00
Total	440.65	36.75	32.46	20.26	20.11	29.47	579.69	432.61	436.84	4.23	1016.53	12.63

* 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	STO/PPX transaction	Demand Met	Shortage	UI	STO/PPX transaction			
Punjab	5715	0	0	-510	5435	0	-33	-510	6048	22	0
Haryana	6937	0	24	400	6268	361	382	227	7074	21	0
Rajasthan	8061	0	42	-27	8016	0	45	-464	9276	8	0
Delhi	4136	0	-53	-153	3627	0	-50	-454	4596	17	0
UP	18629	180	69	124	15164	120	149	513	16733	19	20
Uttarakhand	1781	0	21	359	1449	0	-3	397	1915	21	0
HP	1202	0	-13	-678	843	0	103	-226	1336	8	0
J&K	1527	382	-289	-135	1705	301	72	1907	15	477	
Chandigarh	214	0	-9	-35	134	0	-30	0	225	16	0
Total	46203	562	-208	-655	42640	781	617	-443	46706	21	381

*STO/PPX figures are at sellers boundary & PPX 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	UI Net MU	
										Diversity is 1.05
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1072	1240	1169	26.66	1111	25.72	0.94	
	Rihand I STPS (2*500)	1000	452	497	507	11.16	465	10.82	0.34	
	Rihand II STPS (2*500)	1000	943	1028	1020	22.90	954	22.56	0.34	
	Rihand III STPS (2*500)	1000	943	1009	1014	22.48	937	22.47	0.01	
	Dadri I STPS (4*210)	840	576	601	560	11.36	473	11.95	-0.59	
	Dadri II STPS (2*490)	980	929	916	966	20.90	871	20.78	0.12	
	Unchahar I TPS (2*210)	420	382	420	396	8.15	340	8.60	-0.45	
	Unchahar II TPS (2*210)	420	382	411	377	8.07	336	8.61	-0.54	
	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	967	957	20.17	840	20.64	-0.47	
	Dadri GPS (4*130.19+2*154.51)	830	0	123	174	3.76	157	3.70	0.06	
	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	0.06	-0.01	
	Singrauli Solar(15)	15	3	0	0	0.08	3	0.06	0.02	
	KHEP(4*200)	800	792	848	0	3.21	134	2.99	0.22	
	Sub Total (A)	12612	7424	8060	7140	159	6624	159	0.00	
	B. NPC	NAPS (2*220)	440	190	207	214	4.48	187	4.56	-0.08
RAPS- B (2*220)		440	375	408	414	8.79	366	9.00	-0.21	
RAPS- C (2*220)		440	414	460	462	9.86	411	9.94	-0.08	
Sub Total (B)		1320	979	1075	1090	23.14	964	23.50	-0.36	
C. NHPC		Chamera I HPS (3*180)	540	534	549	0	5.62	234	5.40	0.22
	Chamera II HPS (3*100)	300	296	301	75	5.14	214	5.04	0.10	
	Chamera III HPS (3*77)	231	227	231	82	3.60	150	3.50	0.10	
	Bairasul HPS(3*60)	180	90	182	105	2.30	96	2.10	0.20	
	Salat-HPS (6*115)	690	291	680	225	7.85	327	6.99	0.86	
	Tanakpur-HPS (3*31.4)	94	21	32	17	0.57	24	0.50	0.07	
	Uri-I HPS (4*120)	480	475	484	483	11.71	488	11.40	0.31	
	Uri-II HPS (4*60)	240	238	243	242	5.80	242	5.70	0.10	
	Dhauliganga-HPS (4*70)	280	277	280	0	1.41	59	1.33	0.08	
	Dulhaasi-HPS (3*130)	390	384	399	270	9.19	383	9.00	0.19	
	Sewa-II HPS (3*40)	120	119	124	0	0.85	35	0.80	0.05	
	Parbati 3 (4*130)	520	45	384	0	1.11	46	1.08	0.03	
	Sub Total (C)	4065	2997	3890	1500	55	2298	53	2.31	
	D.SJVNL	NJPC (6*250)	1500	1497	1489	0	11.64	485	11.30	0.34
		Rampur HEP (6*88.67)	412	412	416	0	3.35	139	3.15	0.20
Sub Total (D)		1912	1910	1905	0	14.99	624	14.45	0.54	
E. THDC	Tehri HPS (4*250)	1000	453	457	416	4.51	188	4.52	-0.01	
	Koteshwar HPS (4*100)	400	94	101	93	2.29	95	2.25	0.04	
Sub Total (E)	1400	547	558	509	6.80	283	6.77	0.03		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	426	712	332	10.27	428	10.22	0.05	
	Dehar HPS (6*165)	990	332	660	330	8.25	344	7.96	0.29	
	Pong HPS (6*66)	396	24	104	0	0.59	25	0.57	0.02	
	Sub Total (F)	2765	782	1476	662	19.12	797	18.75	0.37	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	84	102	1.41	59	1.54	-0.13	
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	0	5.84	243	5.90	-0.06	
	Malana Stg-II HPS (2*50)	100	0	30	105	0.67	28	0.63	0.04	
	Shree Cement TPS (2*150)	300	0	255	257	5.59	233	5.78	-0.19	
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.60	25	0.41	0.19	
	Saini HPS (IPP) (2*50)	100	0	0	0	0.57	0	0.57		
	Sub Total (G)	1762	0	1369	464	14.11	588	14.26	-0.15	
H. Total Regional Entities (A-G)	25837	14638	18333	11365	292.28	12178	289.55	2.73		

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	0	0	0.00	0	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0	
	Goidwal(GVK) (2*270)	540	160	145	4.85	202	
	Rajpura (2*700)	1400	1000	1320	26.11	1088	
	Talwandi Saboo (3*660)	1980	1650	1700	39.33	1639	
	Thermal (Total)	6560	2810	3165	70.28	2928	
	Total Hydro	1000	25	25	2.99	125	
	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	2835	3190	79.41	3309	
	Haryana	Panipat TPS (2*210+2*250)	920	786	826	18.63	776
		DCRTPP (Yamuna nagar) (2*300)	600	292	292	6.07	253
Faridabad GPS (NTPC)(2*137.75+1*156)		432	246	189	4.65	194	
RGTPP (kheadar) (IPP) (2*600)		1200	1056	1142	23.68	987	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	590	613	12.97	540	
Thermal (Total)		4497	2970	3062	66.00	2750	
Total Hydro		62	5	15	0.37	15	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.89	37	
Solar		50	0	0	0.18	7	
Renewable(Total)		156	0	0	1.07	45	
Total Haryana		4715	2975	3077	67.43	2810	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1136	908	22.34	931
		suratgarh TPS (6*250)	1500	1294	1029	28.43	1185
	Chabra TPS (4*250)	1000	692	549	15.70	654	
	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	159	162	3.77	157	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	111	112	2.61	109	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	968	855	22.74	947	
	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	617	613	14.52	605	
	Thermal (Total)	9536	4977	4228	110.10	4588	
	Total Hydro	550	0	0	0.00	0	
	Wind power	4292	198	1946	20.11	838	
	Biomass	102	34	34	0.81	34	
	Solar	1995	29	0	12.35	515	
	Renewable/Others (Total)	6389	261	1980	33.27	1386	
	Total Rajasthan	16475	5238	6208	143.37	5974	
UP	Anpara TPS (3*210+2*500)	1630	1153	1175	29.84	1243	
	Obra TPS (2*50+2*94+5*200)	1194	554	497	11.77	490	
	Paricha TPS (2*110+2*220+2*250)	1160	901	878	17.22	718	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	551	437	9.93	414	
	Tanda TPS (NTPC) (4*110)	440	389	393	7.37	307	
	Roza TPS (IPP) (4*300)	1200	1051	910	19.76	823	
	Anpara-C (IPP) (2*600)	1200	1101	1027	25.92	1080	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	401	277	6.97	291	
	Anpara-D(2*500)	1000	909	911	21.79	908	
	Lalitpur TPS(3*660)	1980	1233	1230	25.41	1059	
	Bara(3*660)	1980	999	991	23.41	975	
	Thermal (Total)	13109	9242	8726	199.39	8308	
	Vishnupurayag HPS (IPP)(4*110)	440	132	122	3.02	126	
	Alakananda(4*82.5)	330	83	0	1.34	56	
	Other Hydro	527	194	150	1.65	69	
	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	3.78	157	
Renewable(Total)	128	0	0	3.78	157		
Total UP	15515	10501	9848	229.57	9566		
Uttarakhand	Other Hydro	1250	562	228	8.52	355	
	Total Gas	450	280	295	6.78	283	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.72	30	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.72	30	
	Total Uttarakhand	2107	842	523	16.01	667	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	70	70	1.74	72	
	Pragati Gas Turbine (2x104+ 1x122)	330	260	264	6.43	268	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	451	250	9.09	379	
	Badarpur TPS (NTPC) (3*95+2*210)	705	149	147	3.30	137	
	Thermal (Total)	2917	930	731	20.56	857	
	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	930	731	20.56	857		

HP		300	67	106	1.89	79
	Baspa HPS (IPP) (3*100)	86	16	51	0.61	25
	Malana HPS (IPP) (2*43)	372	199	192	3.96	165
	Other Hydro (>25MW)	0	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)	486	206	186	4.48	186
	Renewable(Total)	486	206	186	4.48	186
	Total HP	1244	488	535	10.93	455
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	386	384	9.29	387
	Other Hydro/IPP(Including 98 MW Small Hydro)	308	136	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	522	528	12	517
Total State Control Area Generation		53111	24330	24640	579.69	24154
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			4303	4260	166.62	6943
Total Regional Availability(Gross)		78948	46966	40265	1038.60	43275

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9790	2878	107.78	4466
State Control Area Hydro	7468	2291	1898	36.75	2030
Total Regional Hydro	19702	12081	4776	144.53	6496

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.15	6
State Control Area Renewable	8844	467	2166	49.44	2060
Total Regional Renewable	8874	467	2166	49.59	2066

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)	200	-50	200	50	2.30	0.64	1.66
765 KV Gwalior-Agra (D/C)	730	909	909	0	37.78	0.00	37.78
400 KV Zerda-Kankroli	-254	-282	0	384	0.00	7.31	-7.31
400 KV Zerda-Bhinmal	-193	-321	0	448	0.00	6.26	-6.26
220 KV Auraiya-Malanpur	166	165	0	172	0.00	3.37	-3.37
220 KV Badod-Kota/Morak	-73	-52	6	128	0.00	1.58	-1.58
Mundra-Mohindergarhi(HVDC Bipole)	0	0	671	0	3.93	0.00	3.93
400 KV RAPPCC-Sujalpur	164	10	202	40	1.99	0.00	1.99
400 KV Vindhychal-Rihand	-960	-954	0	973	0.00	22.81	-22.81
765 KV Phagt-Gwalior (D/C)	1105	1462	1697	0	32.56	0.00	32.56
+/- 800 KV HVDC Champa-Kurushetra	1500	1500	1500	0	35.36	0	35.36
765KV Orai-Jabalpur	0	0	0	0	15.23	0	15.23
765KV Orai-Satna	0	0	0	0	41.69	0	41.69
765KV Orai-Gwalior	0	0	0	0	0.00	8	-8.37
Sub Total WR	2385	2387			170.85	50.33	120.52
400 kV Sasaram - Varanasi	-71	-67	0	68	0.00	1.52	-1.52
400 kV Sasaram - Allahabad	0	-84	0	105	0.00	2.04	-2.04
400 KV MZP- GKP (D/C)	60	56	210	130	1.23	0.00	1.23
400 KV Patna-Balia(D/C) X 2	483	402	587	0	11.00	0.00	11.00
400 KV B Sharif-Balia (D/C)	148	118	212	0	3.54	0.00	3.54
765 KV Gaya-Balia	259	330	341	0	8.14	0.00	8.14
765 KV Gaya-Varanasi (D/C)	119	195	271	0	2.43	0.00	2.43
220 KV Pusaali-Sahupuri	172	130	178	0	3.71	0.00	3.71
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-19	-24	0	24	0.00	0.44	-0.44
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-86	-81	52	131	0.00	0.94	-0.94
400 KV Mothari -GKP (D/C)	145	176	220	0	3.64	0.00	3.64
400 kV B Sharif - Varanasi (D/C)	8	22	70	88	0.29	0.00	0.29
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1218	1173			34.93	4.94	30.00
+/- 800 KV HVDC Biswanath Chariali-Agra	700	700	700	0.00	16.10	0.00	16.10
Sub Total NER	700	700			16.10	0.00	16.10
Total IR Exch	4303	4260			221.89	55.27	166.62

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
55.68	0.42	56.10	-7.34	-7.36	-1.71	-4.72	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
46.63	113.66	160.29	46.10	120.52	166.62	-0.53	6.86	6.33

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	29	0	31	0	1	-0.64

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	0.01	8.50	59.61	83.99	7.21	0.73	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)	
50.13	12.01	49.80	22.08	49.98	0.033	0.054	50.06	49.88	16.01

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	404	13:03	400	0:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	6:52	392	18:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	6:48	398	19:26	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	13:03	400	19:16	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	6:47	405	19:14	0.0	0.0	1.8	0.0	1.8
Ballabgarh	400	420	6:55	400	19:16	0.0	0.0	0.0	0.0	0.0
Bawana	400	421	6:47	401	19:15	0.0	0.0	0.8	0.0	0.8
Bassi	400	418	13:01	398	23:30	0.0	0.0	0.0	0.0	0.0
Hissar	400	419	13:02	399	19:14	0.0	0.0	0.0	0.0	0.0
Moga	400	422	13:02	402	19:25	0.0	0.0	1.1	0.0	1.1
Abdullapur	400	426	13:02	406	19:14	0.0	0.0	15.8	0.0	15.8
Nalagarh	400	428	13:02	408	19:16	0.0	0.0	25.4	0.0	25.4
Kishenpur	400	419	4:01	406	20:07	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	3:50	388	20:06	0.0	4.9	0.0	0.0	0.0
Amritsar	400	427	13:03	407	19:22	0.0	0.0	6.7	0.0	6.7
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	13:02	405	19:30	0.0	0.0	2.7	0.0	2.7
Rishikesh	400	416	6:46	393	19:15	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	13:02	741	19:27	0.0	0.3	0.0	0.0	0.0
Balia	765	786	7:07	751	19:28	0.0	0.0	0.0	0.0	0.0
Moga	765	804	13:02	770	19:13	0.0	0.0	1.8	0.0	1.8
Agra	765	792	13:03	751	19:26	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	13:04	772	9:35	0.0	0.0	0.3	0.0	0.3
Unnao	765	774	7:05	740	19:28	0.0	0.8	0.0	0.0	0.0
Lucknow	765	794	6:49	757	19:27	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	6:47	766	9:13	0.0	0.0	8.8	0.0	8.8
Jhatikara	765	798	6:47	758	19:23	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	806	6:48	767	19:27	0.0	0.0	7.1	0.0	7.1
Anta	765	799	13:01	769	9:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	803	13:02	770	9:25	0.0	0.0	1.1	0.0	1.1

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	469.03	252.64	469.83	262.21	214.87	343.06
Pong	426.72	384.05	394.31	116.59	396.69	151.67	40.10	47.32
Tehri	829.79	740.04	752.50	66.64	755.15	85.06	68.29	151.00
Koteswar	612.50	598.50	610.32	4.70	610.89	4.95	151.00	150.74
Chamera-I	760.00	748.75	756.98	0.00	0.00	0.00	165.84	152.65
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	497.48	0.76	515.83	4.48	136.66	32.43

* 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	-101	0	-207	-303	0	-5.98	-12.12	-18.10
Delhi	-197	-256	0	18	-172	0	0.29	-2.95	-2.66
Haryana	226	1	0	393	6	0	-1.46	-1.59	-3.05
HP	-176	-50	0	-469	-209	0	-2.73	-0.87	-3.60
J&K	-254	326	0	-254	119	0	-6.09	8.29	2.20
CHD	0	0	0	0	-35	0	0.00	0.12	0.12
Rajasthan	-8	-455	0	-8	-19	0	-0.20	-2.95	-3.15
UP	513	0	0	124	0	0	4.46	0.00	4.46
Uttarakhand	14	383	0	20	339	0	0.72	9.31	10.03
Total	-291	-153	0	-382	-273	0	-10.99	-2.76	-13.75

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	409	207	1515	101	0	0
Delhi	198	16	423	4	0	0
Haryana	393	108	505	0	0	0
HP	470	26	295	2	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	530	46	0	0	0	0
Uttarakhand	79	9	625	89	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	16
Haryana	2	21
Rajasthan	2	23
Delhi	5	39
UP	0	9
Uttarakhand	4	47
HP	2	16
J & K	2	17
Chandigarh	6	62

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.04.2018 :

XVI. Synchronisation of new generating units :

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

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 : 25.04.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER