

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682
Power Supply Position in Northern Region for 28.04.2018
Date of Reporting : 29.04.2018



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
46475	917	47391	50.02	45979	521	46500	49.91	1070.11	10.09

*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	69.26	4.62	0.00	3.24	0.00	2.90	80.02	63.03	62.51	-0.52	142.53	0.00
Haryana	63.04	0.28	7.80	0.13	0.00	0.90	72.14	68.05	71.99	3.94	144.13	0.31
Rajasthan	103.73	0.00	3.73	7.91	18.73	0.37	134.47	72.16	75.12	2.96	209.60	0.00
Delhi	3.34	0.00	23.98	0.00	0.00	0.00	27.31	78.49	78.20	-0.29	105.51	0.01
UP	211.39	7.90	0.00	3.80	0.00	20.40	243.49	111.26	114.20	2.94	357.70	0.00
Uttarakhand	0.00	10.45	6.82	0.51	0.00	0.00	17.78	21.78	21.17	-0.61	38.95	0.00
HP	0.00	7.81	0.00	0.00	0.00	4.39	12.19	12.62	13.41	0.79	25.61	0.00
J & K	0.00	11.98	0.00	0.00	0.00	0.00	11.98	27.68	29.49	1.81	41.48	9.78
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86	4.62	-0.24	4.62	0.00
Total	450.76	43.04	42.33	15.58	18.73	28.94	599.39	459.93	470.72	10.79	1070.11	10.09

* 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	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction			
Punjab	5820	0	-48	-207	5731	0	43	-409	6373	22	0
Haryana	7100	13	160	170	6863	133	269	738	7100	20	13
Rajasthan	8246	0	367	-8	8584	0	102	-8	9691	10	0
Delhi	4319	0	-131	-235	4366	0	80	-319	4862	1	0
UP	16047	440	-261	127	16281	120	97	552	16697	21	0
Uttarakhand	1831	0	-59	232	1514	0	18	502	1831	20	0
HP	1045	0	11	-773	954	0	-37	-310	1349	11	0
J&K	1854	464	185	-266	1517	268	-147	-145	1943	6	486
Chandigarh	211	0	-34	-10	168	0	-9	0	228	16	0
Total	46475	917	190	-970	45979	521	416	602	47895	21	508

*STOAX figures are at sellers boundary & PX figures are at regional boundary. † figures may not be at simultaneous hour.

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 Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1170	1292	1310	29.04	1210	28.08	0.96
Rihand I STPS (2*500)	1000	906	929	977	22.08	920	21.53	0.55
Rihand II STPS (2*500)	1000	943	922	1025	22.93	955	22.45	0.48
Rihand III STPS (2*500)	1000	943	977	990	22.26	928	22.32	-0.06
Dadri I STPS (4*210)	840	769	795	625	15.34	639	16.13	-0.79
Dadri II STPS (2*490)	980	929	960	960	20.43	851	19.92	0.51
Unchahar I TPS (2*210)	420	382	412	400	8.36	349	8.56	-0.20
Unchahar II TPS (2*210)	420	382	409	417	8.66	361	8.60	0.06
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	992	979	21.20	883	21.57	-0.37
Dadri GPS (4*130.19+2*154.51)	830	0	154	182	3.79	158	3.77	0.02
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	762	0	5.67	236	5.25	0.42
Sub Total (A)	12612	8167	8604	7865	180	7495	178	1.58
B. NPC								
NAPS (2*220)	440	187	204	211	4.47	186	4.49	-0.02
RAPS- B (2*220)	440	187	205	208	4.24	176	4.49	-0.26
RAPS- C (2*220)	440	414	458	459	9.71	404	9.94	-0.23
Sub Total (B)	1320	788	867	878	18.41	767	18.92	-0.51
C. NHPC								
Chamera I HPS (3*180)	540	534	543	545	8.28	345	8.04	0.24
Chamera II HPS (3*100)	300	295	299	203	5.11	213	4.95	0.16
Chamera III HPS (3*77)	231	228	229	156	3.56	148	3.35	0.21
Bairasul HPS(3*60)	180	75	120	120	1.91	79	1.75	0.16
Salat-HPS (6*115)	690	384	445	400	10.15	423	9.22	0.93
Tanakpur-HPS (3*31.4)	94	24	44	24	0.68	28	0.57	0.11
Uri-I HPS (4*120)	480	474	483	483	11.78	491	11.38	0.40
Uri-II HPS (4*60)	240	238	244	241	5.75	240	5.70	0.05
Dhauliganga-HPS (4*70)	280	277	286	0	1.72	72	1.85	-0.13
Dulhaasi-HPS (3*130)	390	385	403	403	9.45	394	9.25	0.20
Sewa-II HPS (3*40)	120	119	118	125	1.59	66	1.55	0.04
Parbati 3 (4*130)	520	40	383	0	1.01	42	0.96	0.05
Sub Total (C)	4065	3072	3596	2633	61	2541	59	2.41
D.SJVNL								
NJPC (6*250)	1500	1497	1497	530	13.81	575	13.50	0.31
Rampur HEP (6*88.67)	412	412	404	146	3.98	166	3.76	0.22
Sub Total (D)	1912	1910	1901	676	17.79	741	17.26	0.53
E. THDC								
Tehri HPS (4*250)	1000	447	455	0	3.60	150	3.60	0.00
Koteshwar HPS (4*100)	400	74	103	70	1.81	75	1.77	0.04
Sub Total (E)	1400	521	558	70	5.41	225	5.37	0.04
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	493	866	390	11.99	500	11.82	0.17
Dehar HPS (6*165)	990	296	495	330	7.41	309	7.10	0.31
Pong HPS (6*66)	396	29	156	0	0.72	30	0.70	0.02
Sub Total (F)	2765	818	1517	720	20.12	839	19.62	0.50
G. IPP(s)/JV(s)								
Allain Duhangan HPS(IPP) (2*96)	192	0	116	67	1.72	72	2.01	-0.29
Karcham Wanoo HPS(IPP) (4*250)	1000	0	1000	150	7.13	297	7.23	-0.10
Malana Stg-II HPS (2*50)	100	0	0	40	0.69	29	0.65	0.04
Shree Cement TPS (2*150)	300	0	257	256	6.10	254	6.20	-0.10
Budhil HPS(IPP) (2*35)	70	0	66	30	0.71	30	0.96	-0.25
Saini HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.97	0.00
Sub Total (G)	1762	0	1439	543	16.36	682	17.05	-0.69
H. Total Regional Entities (A-G)	25837	15275	18482	13385	318.94	13289	315.09	3.85

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	3.88	162
	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	191	372	5.20	217
	Goidwal(GVK) (2*270)	540	145	246	4.30	179
	Rajpura (2*700)	1400	780	1320	29.82	1242
	Talwandi Saboo (3*660)	1980	924	1150	26.08	1087
	Thermal (Total)	6560	2200	3298	69.26	2886
	Total Hydro	1000	234	26	4.62	193
	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	2434	3324	80.02	3334
	Haryana	Panipat TPS (2*210+2*250)	920	829	838	18.84
DCRTPP (Yamuna nagar) (2*300)		600	295	294	6.40	267
Faridabad GPS (NTPC)(2*137.75+1*156)		432	360	347	7.80	325
RGTPP (khedan) (IPP) (2*600)		1200	1077	1110	23.79	991
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	587	617	14.01	584
Thermal (Total)		4497	3148	3206	70.84	2952
Total Hydro		62	4	16	0.28	12
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	0.90	37
Solar		50	0	0	0.13	5
Renewable(Total)		156	0	0	1.02	43
Total Haryana		4715	3152	3222	72.14	3006
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	953	916	24.92
	suratgarh TPS (6*250)	1500	874	893	24.15	1006
	Chabra TPS (4*250)	1000	633	694	16.13	672
	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	152	155	3.73	156
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	106	110	2.52	105
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	795	977	21.35	890
	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	594	624	14.67	611
	Thermal (Total)	9536	4107	4369	107.47	4478
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	533	1564	18.73	781
	Biomass	102	15	15	0.37	15
	Solar	1995	26	0	7.91	330
	Renewable/Others (Total)	6389	574	1579	27.01	1125
	Total Rajasthan	16475	4681	5948	134.47	5603
UP	Anpara TPS (3*210+2*500)	1630	1318	1326	33.60	1400
	Obra TPS (2*50+2*94+5*200)	1194	507	501	11.90	496
	Paricha TPS (2*110+2*220+2*250)	1160	592	596	11.40	475
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	539	521	10.30	429
	Tanda TPS (NTPC) (4*110)	440	387	390	7.39	308
	Roza TPS (IPP) (4*300)	1200	986	1074	20.70	863
	Anpara-C (IPP) (2*600)	1200	1068	1092	25.50	1063
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	401	401	7.40	308
	Anpara-D(2*500)	1000	904	907	21.40	892
	Lalitpur TPS(3*660)	1980	1814	1836	37.10	1546
	Bara(3*660)	1980	1041	1055	24.70	1029
	Thermal (Total)	13109	9557	9699	211.39	8808
	Vishnupurayag HPS (IPP)(4*110)	440	184	187	4.30	179
	Alakananda(4*82.5)	330	82	83	2.00	83
	Other Hydro	527	60	203	1.60	67
	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	3.80	158	
Renewable(Total)	128	0	0	3.80	158	
Total UP	15515	10733	11022	243.49	10146	
Uttarakhand	Other Hydro	1250	655	347	10.45	436
	Total Gas	450	278	289	6.82	284
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.51	21
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.51	21
Total Uttarakhand	2107	933	636	17.78	741	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	105	105	6.41	267
	Pragati Gas Turbine (2x104+ 1x122)	330	262	262	6.41	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	448	446	11.16	465
	Badarpur TPS (NTPC) (3*95+2*210)	705	155	145	3.34	139
	Thermal (Total)	2917	970	958	27.31	1138
	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	970	958	27.31	1138	

HP	Baspa HPS (IPP) (3*100)	300	84	95	2.73	114	
	Malana HPS (IPP) (2*43)	86	39	39	0.69	29	
	Other Hydro (>25MW)	372	149	182	4.38	183	
	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	213	166	4.39	183	
	Renewable(Total)	486	213	166	4.39	183	
	Total HP	1244	484	482	12.19	508	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	215	443	7.78	324
		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	397	603	12	499	
Total State Control Area Generation		53111	23784	26195	599.39	24975	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5449	7831	7831	168.56	7023	
Total Regional Availability(Gross)		78948	47715	47410	1086.89	45287	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9450	4356	120.23	4980
State Control Area Hydro	7468	2378	2236	43.04	2282
Total Regional Hydro	19702	11828	6591	163.27	7261

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	8844	787	1745	42.86	1786
Total Regional Renewable	8874	787	1745	42.98	1791

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)	0	0	0	0	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	1015	1408	1437	0	27.62	0.00	27.62
400 KV Zerda-Kankroli	-361	-380	0	453	0.00	9.36	-9.36
400 KV Zerda-Bhinmal	-309	-380	0	447	0.00	7.90	-7.90
220 KV Auraiya-Malanpur	-163	-163	0	174	0.00	3.39	-3.39
220 KV Badod-Kota/Morak	-19	19	36	60	0.00	0.16	-0.16
Mundra-Mohindergarhi(HVDC Bipole)	300	300	303	0	7.36	0.00	7.36
400 KV RAPPC-Sujalpur	102	99	273	0	2.75	0.00	2.75
400 KV Vindhychal-Rihand	-930	-940	0	940	0.00	22.95	-22.95
765 kv Phagt-Gwalior (D/C)	1078	1380	1682	0	32.39	0.00	32.39
+/- 800 KV HVDC Champa-Kurushetra	2000	2000	2000	0	45.81	0	45.81
765KV Orai-Jabalpur	15	505	575	0	6.09	0	6.09
765KV Orai-Satna	1623	1706	1759	0	41.34	0	41.34
765KV Orai-Gwalior	-344	-260	0	375	0.00	7	-7.29
Sub Total WR	4002	5294			163.36	51.05	112.31
400 kV Sasaram - Varanasi	-111	61	120	61	0.46	0.00	0.46
400 kV Sasaram - Allahabad	31	-77	54	80	0.00	0.44	-0.44
400 KV MZP- GKP (D/C)	50	136	230	0	4.21	0.00	4.21
400 KV Patna-Balia(D/C) X 2	324	508	641	0	11.97	0.00	11.97
400 KV B Sharif-Balia (D/C)	62	179	255	0	4.19	0.00	4.19
765 KV Gaya-Balia	132	326	381	0	6.94	0.00	6.94
765 KV Gaya-Varanasi (D/C)	109	366	525	0	6.45	0.00	6.45
220 KV Pusaui-Sahupuri	186	165	186	0	3.89	0.00	3.89
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-7	-22	0	28	0.00	0.43	-0.43
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-144	-6	76	244	0.00	0.69	-0.69
400 KV Mothari -GKP (D/C)	148	188	259	0	4.57	0.00	4.57
400 kV B Sharif - Varanasi (D/C)	67	13	105	95	0.55	0.00	0.55
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	847	1837			43.22	1.55	41.67
+/- 800 KV HVDC Biswanath Chariali-Agra	600	700	700	0.00	14.58	0.00	14.58
Sub Total NER	600	700			14.58	0.00	14.58
Total IR Exch	5449	7831			221.16	52.60	168.56

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
54.36	0.30	54.66	-6.94	-7.74	11.16	0.53	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
58.58	107.69	166.27	56.25	112.31	168.56	-2.33	4.62	2.29

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	-25	-27	0	29	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	1.66	23.81	76.19	71.62	4.33	0.49	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	18.02	49.73	0.08	49.95	0.071	0.066	50.08	49.80	28.38

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	3:59	400	0:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	6:53	396	22:57	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	6:53	397	19:14	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	6:47	400	0:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	6:33	403	15:49	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	417	6:46	398	15:48	0.0	0.0	0.0	0.0	0.0
Bawana	400	418	6:46	400	0:07	0.0	0.0	0.0	0.0	0.0
Bassi	400	411	5:01	390	0:06	0.0	0.0	0.0	0.0	0.0
Hissar	400	411	6:02	396	0:09	0.0	0.0	0.0	0.0	0.0
Moga	400	413	13:31	402	0:06	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	417	6:03	401	19:15	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	5:01	408	19:08	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	416	13:02	407	22:15	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	17:41	392	6:25	0.0	0.0	0.0	0.0	0.0
Amritsar	400	418	13:29	407	0:06	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	413	3:02	406	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	414	6:45	388	19:12	0.0	0.6	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	769	7:03	736	19:13	0.0	9.7	0.0	0.0	0.0
Balia	765	788	7:00	755	19:11	0.0	0.0	0.0	0.0	0.0
Moga	765	791	6:02	766	0:07	0.0	0.0	0.0	0.0	0.0
Agra	765	785	6:46	753	0:11	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	6:01	767	0:07	0.0	0.0	0.0	0.0	0.0
Unnao	765	772	7:01	736	0:09	0.0	8.2	0.0	0.0	0.0
Lucknow	765	794	6:49	757	0:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	805	7:03	767	0:08	0.0	0.0	2.4	0.0	2.4
Jhatikara	765	799	6:47	758	15:51	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	806	7:01	765	0:12	0.0	0.0	4.2	0.0	4.2
Anta	765	788	4:01	765	22:42	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	4:02	763	0:07	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	468.70	248.16	470.77	282.71	352.37	399.92
Pong	426.72	384.05	394.30	116.59	396.64	151.67	46.01	56.86
Tehri	829.79	740.04	751.65	60.87	753.60	74.21	78.04	121.00
Koteswar	612.50	598.50	610.14	4.69	610.87	4.95	121.00	119.40
Chamera-I	760.00	748.75	756.02	0.00	0.00	0.00	176.89	224.38
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	498.42	1.82	516.32	7.01	194.34	36.49

* 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	-205	0	22	-256	0	0.57	-4.93	-4.36
Haryana	246	492	0	159	11	0	-0.83	2.22	1.39
HP	-179	-131	0	-219	-554	0	-3.54	-4.59	-8.13
J&K	-254	109	0	-266	0	0	-6.18	4.97	-1.21
CHD	0	0	0	0	-10	0	0.00	0.33	0.33
Rajasthan	-8	0	0	-8	0	0	-0.20	10.55	10.35
UP	552	0	0	127	0	0	4.84	0.00	4.84
Uttarakhand	44	459	0	77	155	0	1.17	8.23	9.40
Total	-122	724	0	-315	-655	0	-10.15	16.78	6.63

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	605	0	0	0
Haryana	289	159	492	1	0	0
HP	220	84	637	47	0	0
J&K	266	254	474	0	0	0
CHD	0	0	64	0	0	0
Rajasthan	8	8	1747	0	0	0
UP	563	54	0	0	0	0
Uttarakhand	77	16	529	147	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	22
Haryana	4	28
Rajasthan	3	19
Delhi	3	18
UP	0	9
Uttarakhand	4	36
HP	3	42
J & K	3	31
Chandigarh	6	74

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.04.2018 :

XVI. Synchronisation of new generating units :

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

1. 315 MVA ICT-2 at 400 kV Banda first time charged on load at 2018Hrs of 28.04.18.

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 : 28.04.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER