

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 16.04.2017

Date of Reporting : 17.04.2017



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
42883	449	43331	50.02	41636	379	42014	49.96	921.95	9.56

* 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:

UI (OD:(+ve), UD: (-ve))

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	Renewable/others \$	Total					
Punjab	53.71	3.66	0.62	57.98	61.11	57.46	-3.65	115.44	0.00
Haryana	18.21	0.64	0.00	18.85	94.35	94.48	0.14	113.34	0.00
Rajasthan	92.93	0.21	23.99	117.13	69.10	72.14	3.04	189.27	0.00
Delhi	14.19		0.00	14.19	76.18	73.59	-2.59	87.78	0.15
UP	173.03	8.93	0.00	181.95	132.18	136.41	4.23	318.36	0.00
Uttarakhand		13.15	0.00	19.74	19.79	13.22	-6.57	32.96	0.00
HP		15.67	5.82	15.67	8.53	7.47	-1.06	23.14	0.00
J & K		20.65	0.00	20.65	22.63	16.99	-5.64	37.64	9.41
Chandigarh				0.00	4.53	4.01	-0.51	4.01	0.00
Total	352.07	62.90	30.42	446.16	488.39	475.79	-12.60	921.95	9.56

* Shortage furnished by the respective constituent's Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))

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	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	5251	0	1	-50	5304	0	-69	49	6040	22:00	0
Haryana	5793	0	-67	286	5817	0	312	357	6663	23:00	0
Rajasthan	7730	0	-28	342	8110	0	218	102	8628	24:00	0
Delhi	3825	0	-252	-257	3707	0	117	-292	4391	8:00	0
UP	15684	0	525	1747	14924	0	455	1101	15971	21:00	0
Uttarakhand	1619	0	-304	247	1353	0	-101	167	1619	20:00	0
HP	980	0	122	-1050	757	0	-101	-362	1154	11:00	0
J&K	1795	449	-1	-262	1514	379	-232	-197	1847	21:00	462
Chandigarh	206	0	-17	-20	149	0	1	-10	206	20:00	0
Total	42883	449	-20	982	41636	379	601	915	45481	23:00	449

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

Diversity is 1.02

UI (OD:(+ve), UG: (-ve))

III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
			(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1625	1753	1758	35.12	1463	35.10	0.02
Rihand I STPS (2*500)	1000	935	995	980	18.92	788	19.23	-0.31
Rihand II STPS (2*500)	1000	479	511	444	9.78	407	9.73	0.05
Rihand III STPS (2*500)	1000	971	844	1022	19.48	812	19.70	-0.22
Dadri I STPS (4*210)	840	815	467	592	11.00	458	11.44	-0.44
Dadri II STPS (2*490)	980	980	719	697	16.30	679	17.19	-0.89
Unchahar I TPS (2*210)	420	405	329	370	6.78	282	7.60	-0.83
Unchahar II TPS (2*210)	420	405	274	367	6.53	272	7.48	-0.95
Unchahar III TPS (1*210)	210	203	141	192	3.34	139	3.78	-0.44
Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
ISTPP (Jhajjihar) (3*500)	1500	1440	987	833	16.73	697	16.94	-0.21
Dadri GPS (4*130.19+2*154.51)	830	786	147	161	3.62	151	4.04	-0.42
Anta GPS (3*88.71+1*153.2)	419	379	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	639	143	144	3.03	126	3.07	-0.04
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	2	0	0	0.05	2	0.05	0.00
KHEP(4*200)	800	872	868	362	8.59	358	8.50	0.09
Sub Total (A)	12772	10938	8178	7922	159	6639	164	-4.58
B. NPC								
NAPS (2*220)	440	394	423	431	9.47	395	9.46	0.01
RAPS- B (2*220)	440	363	402	408	8.69	362	8.71	-0.02
RAPS- C (2*220)	440	210	229	232	4.84	202	5.04	-0.20
Sub Total (B)	1320	967	1054	1071	23.00	958	23.21	-0.21
C. NHPC								
Chamera I HPS (3*180)	540	535	551	365	10.51	438	10.35	0.16
Chamera II HPS (3*100)	300	301	309	311	7.35	306	7.22	0.13
Chamera III HPS (3*77)	231	230	236	234	5.55	231	5.51	0.04
Bairasuli HPS(3*60)	180	179	184	180	4.33	180	4.29	0.04
Satal-HPS (6*115)	690	598	670	464	15.33	639	14.35	0.98
Tanakpur-HPS (3*31.4)	94	31	60	32	0.76	32	0.73	0.03
Uri-I HPS (4*120)	480	475	479	480	11.61	484	11.40	0.21
Uri-II HPS (4*60)	240	237	240	241	5.72	238	5.69	0.02
Dhauliganga-HPS (4*70)	280	280	286	0	2.43	101	2.38	0.05
Dulhasti-HPS (3*130)	390	387	406	399	9.38	391	9.30	0.09
Sewa-II HPS (3*40)	120	126	132	132	3.12	130	3.02	0.09
Parbati 3 (4*130)	520	260	263	0	2.16	90	2.15	0.02
Sub Total (C)	4065	3638	3815	2837	78	3260	76	1.86
D.SJVNL								
NJPC (6*250)	1500	1605	1617	515	22.84	952	22.75	0.09
Rampur HEP (6*68.67)	412	442	445	150	6.52	272	6.34	0.17
Sub Total (D)	1912	2047	2062	665	29.36	1223	29.09	0.27
E. THDC								
Tehri HPS (4*250)	1000	468	464	0	4.45	185	4.45	0.00
Koteshwar HPS (4*100)	400	92	102	90	2.21	92	2.20	0.01
Sub Total (E)	1400	560	566	90	6.66	277	6.65	0.01
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	268	293	267	6.49	271	6.44	0.05
Dehar HPS (6*165)	990	549	660	330	13.22	551	13.18	0.04
Pong HPS (6*66)	396	25	165	0	0.59	25	0.59	0.00
Sub Total (F)	2765	842	1118	597	20.31	846	20.21	0.10
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	199	96	2.43	101	2.28	0.15
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	450	12.06	503	12.49	-0.43
Malana Stg-II HPS (2*50)	100	0	112	50	1.10	46	1.03	0.07
Shree Cement TPS (2*150)	300	0	110	129	2.42	101	2.53	-0.10
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.91	-0.91
Sub Total (G)	1662	0	1521	725	18.01	750	19.23	-1.22
H. Total Regional Entities (A-G)	25897	18992	18314	13907	334.92	13955	338.69	-3.77
I. State Entities								
	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)		
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	320	320	7.11	296		
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0		
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	665	599	13.32	555		

	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	380	660	11.70	488
	Talwandi Saboo (3*660)	1980	616	1200	21.59	899
	Thermal (Total)	6560	1981	2779	53.71	2238
	Total Hydro	1000	218	135	3.66	152
	Wind Power	0	0	0	0.00	0
	Biomass	288	22	22	0.54	22
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	22	22	0.62	26
	Total Punjab	8408	2221	2936	57.98	2416
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	222	277	5.70	237
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	110	0	1.87	78
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	377	597	10.65	444
	Thermal (Total)	4497	709	874	18.21	759
	Total Hydro	62	28	29	0.64	27
	Wind Power	0	0	0	0.00	0
	Biomass	40	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Renewable(Total)	40	0	0	0.00	0
	Total Haryana	4599	737	903	18.85	786
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	466	469	11.68
suratgarh TPS (6*250)		1500	175	183	4.86	202
Chabra TPS (4*250)		1000	1137	1117	26.52	1105
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	181	184	4.74	198
RAPS A (NPC) (1*100+1*200)		300	190	190	4.31	180
Barsingsar (NLC) (2*125)		250	208	209	4.99	208
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	462	791	14.07	586
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	413	461	10.53	439
Kawai(Adani) (2*660)		1320	573	312	11.24	468
Thermal (Total)		9536	3805	3916	92.93	3872
Total Hydro		550	21	21	0.21	9
Wind power		4017	545	1100	20.11	838
Biomass		99	36	36	0.85	36
Solar		1295	0	0	3.02	126
Renewable/Others (Total)		5411	581	1136	23.99	999
Total Rajasthan		15497	4407	5073	117.13	4880
UP	Anpara TPS (3*210+2*500)	1630	943	1391	28.15	1173
	Obra TPS (2*50+2*94+5*200)	1194	673	671	15.38	641
	Paricha TPS (2*110+2*220+2*250)	1160	813	806	17.13	714
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	219	223	4.68	195
	Tanda TPS (NTPC) (4*110)	440	270	295	6.08	253
	Roza TPS (IPP) (4*300)	1200	824	824	17.12	714
	Anpara-C (IPP) (2*600)	1200	626	630	15.03	626
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	829	832	19.13	797
	Lalitpur TPS(3*660)	1980	1177	1189	23.62	984
	Bara(2*660)	1320	579	575	12.72	530
	Thermal (Total)	12449	6953	7436	159.03	6626
	Vishnuparyag HPS (IPP)(4*110)	440	177	172	4.23	176
	Alaknanda(4*82.5)	330	84	85	2.33	97
	Other Hydro	527	124	74	2.37	99
	Cogeneration	981	600	600	14.00	583
	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	14855	7938	8367	181.95	7581
	Uttarakhand	Other Hydro	1250	579	527	13.15
Total Gas		225	250	254	6.02	251
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.57	24
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.57	24
Total Uttarakhand	1802	829	781	19.74	822	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.85	35
	Pragati Gas Turbine (2x104+ 1x122)	330	151	150	3.61	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	260	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	178	170	3.64	152
	Thermal (Total)	2917	616	616	14.19	591
	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	616	616	14.19	591	
HP	Baspa HPS (IPP) (3*100)	300	130	100	2.90	121
	Malana HPS (IPP) (2*43)	86	86	64	0.95	40
	Other Hydro (>25MW)	372	239	257	6.01	250
	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	259	276	5.82	242
	Renewable(Total)	486	259	276	5.82	242
	Total HP	1244	714	697	15.67	653
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	742	738	17.79
Other Hydro/IPP(including 98 MW Small Hydro)		308	136	120	2.86	119
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	878	858	21	860
Total State Control Area Generation	50738	18340	20231	446.16	18590
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8042	8048	153.51	6396
Total Regional Availability(Gross)	76635	44697	42186	934.58	38941

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9840	5148	158.74	6614
State Control Area Hydro	7163	3073	2852	62.90	2895
Total Regional Hydro	19397	12913	7999	221.63	9509

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	7356	862	1434	30.99	1291
Total Regional Renewable	7386	862	1434	31.11	1296

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-500	-500	0	500	0.00	11.51	-11.51
765 KV Gwalior-Agra (D/C)	2584	2459	2855	0	49.15	0.00	49.15
400 KV Zerda-Kankrol	-52	-104	0	231	0.00	3.40	-3.40
400 KV Zerda-Bhinmal	-11	-77	85	173	0.00	1.84	-1.84
220 KV Auraiya-Malanpur	-38	-37	0	73	0.00	0.96	-0.96
220 KV Badod-Kota/Morak	22	73	54	42	0.46	0.00	0.46
Mundra-Mohindergarh(HVDC Bipole)	2002	1500	2004	0	34.07	0.00	34.07
400 KV RAPP-C-Sujalpur	378	250	387	0	6.24	0.00	6.24
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1201	1289	693	0	23.44	0.00	23.44
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	1000	0	22.52	0	22.52
Sub Total WR	6586	5853			135.87	17.71	118.17
400 kV Sasaram - Varanasi	141	128	145	0	3.09	0.00	3.09
400 kV Sasaram - Allahabad	2	28	36	0	0.45	0.00	0.45
400 KV MZP- GKP (D/C)	137	481	523	0	5.54	0.00	5.54
400 KV Patna-Balia(D/C) X 2	495	629	716	0	13.53	0.00	13.53
400 KV B'Sharif-Balia (D/C)	44	166	194	0	2.33	0.00	2.33
765 KV Gaya-Balia	308	296	357	0	5.63	0.00	5.63
765 KV Gaya-Varanasi (D/C)	353	458	484	0	7.74	0.00	7.74
220 KV Pusaui-Sahupuri	218	203	219	0	3.20	0.00	3.20
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.48	0.00
132 KV Son Ngr-Rihand	28	16	0	32	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-286	-90	0	286	0.00	2.97	-2.97
400 KV Barh -GKP (D/C)	472	450	496	0	9.52	0.00	9.52
400 kV B'Sharif - Varanasi (D/C)	46	-68	67	69	0.00	0.32	-0.32
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1958	2697			51.50	4.34	47.16
+/- 800 KV HVDC BiswanathCharialli-Agra	-502	-502	0	505.00	0.00	11.82	-11.82
Sub Total NER	-502	-502			0.00	11.82	-11.82
Total IR Exch	8042	8048			187.37	33.86	153.51

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
38.33	0.30	38.63	0.28	2.17	-8.59	0.68	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
30.32	130.10	160.42	35.34	118.17	153.51	5.02	-11.93	-6.91

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-11	-26	0	30	0	1	-0.67

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	1.19	32.27	68.25	23.89	6.79	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	9.01	49.83	11.41	50.02	0.033	0.053	50.10	49.84	31.75

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	412	10:51	402	0:01	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	8:46	389	20:36	0.0	0.1	5.4	0.0	5.4
Bareilly(PG)400kV	400	423	8:24	386	20:35	0.0	2.5	3.9	0.0	3.9
Kanpur	400	421	8:28	394	19:12	0.0	0.0	0.9	0.0	0.9
Dadri	400	426	8:28	403	19:10	0.0	0.0	17.0	0.0	17.0
Ballabgarh	400	426	8:19	399	20:38	0.0	0.0	17.0	0.0	17.0
Bawana	400	426	9:01	398	20:35	0.0	0.0	16.2	0.0	16.2
Bassi	400	422	8:28	398	20:35	0.0	0.0	3.2	0.0	3.2
Hissar	400	422	8:22	396	20:34	0.0	0.0	2.7	0.0	2.7
Moga	400	420	8:02	400	20:38	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	9:01	398	20:34	0.0	0.0	20.5	0.0	20.5
Nalagarh	400	425	9:06	407	20:18	0.0	0.0	45.1	0.0	45.1
Kishenpur	400	412	13:00	398	20:10	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	4:18	381	6:55	0.0	42.7	0.0	0.0	0.0
Amritsar	400	425	17:03	406	22:11	0.0	0.0	37.6	0.0	37.6
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	414	0:00	414	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	426	8:28	390	20:37	0.0	0.0	8.7	0.0	8.7

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum	Minimum	Voltage (in % of Time)	Voltage
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Station	Voltage Level (kV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	% Deviat
Fatehpur	765	794	8:28	748	20:37	0.0	0.0	0.0	0.0	0.0
Balia	765	794	8:28	744	20:35	0.0	0.0	0.0	0.0	0.0
Moga	765	807	8:28	764	20:34	0.0	0.0	2.5	0.0	2.5
Agra	765	803	9:01	755	19:15	0.0	0.0	0.9	0.0	0.9
Bhiwani	765	813	8:32	766	20:38	0.0	0.0	48.5	0.0	48.5
Unnao	765	781	8:46	730	20:35	0.0	21.6	0.0	0.0	0.0
Lucknow	765	802	9:01	740	20:34	0.0	0.6	0.2	0.0	0.2
Meerut	765	818	8:24	751	18:57	0.0	0.0	13.3	0.0	13.3
Jhatikara	765	814	9:00	763	20:37	0.0	0.0	19.0	0.0	19.0
Bareilly 765 kV	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	797	8:11	770	19:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	466.20	212.85	478.71	434.29	370.04	214.95
Pong	426.72	384.05	397.04	162.91	395.67	136.17	83.28	42.56
Tehri	829.79	740.04	756.80	96.00	746.15	30.50	104.13	144.00
Koteshwar	612.50	598.50	610.80	5.00	611.22	5.20	144.00	145.29
Chamera-I	760.00	748.75	754.16	0.00	0.00	0.00	346.85	285.28
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	513.01	0.57	496.02	1.97	289.08	25.71

* 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	-50	99	0	-50	0	0	-1.21	-0.64	-1.84
Delhi	-288	-4	0	-259	3	0	-5.46	-0.15	-5.61
Haryana	131	225	0	131	154	0	0.74	2.61	3.34
HP	-73	-290	0	-47	-1003	0	-1.32	-10.47	-11.79
J&K	-147	-50	0	-147	-115	0	-3.52	-1.94	-5.46
CHD	0	-10	0	0	-20	0	0.00	-0.02	-0.02
Rajasthan	23	79	0	26	316	0	0.60	7.13	7.73
UP	762	339	0	1024	722	0	7.53	5.09	12.61
Uttarakhand	298	-131	0	169	78	0	6.50	-0.83	5.67
Total	658	258	0	848	135	0	3.86	0.78	4.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-50	-50	347	-554	0	0
Delhi	-184	-288	139	-182	0	0
Haryana	131	-70	255	-395	0	0
HP	-44	-73	-219	-1048	0	0
J&K	-147	-147	74	-216	0	0
CHD	0	0	30	-20	0	0
Rajasthan	34	16	417	-141	0	0
UP	1024	0	1306	-56	0	0
Uttarakhand	299	169	141	-276	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	3	17
Haryana	1	18
Rajasthan	3	29
Delhi	3	23
UP	1	15
Uttarakhand	5	58
HP	6	37
J & K	6	76
Chandigarh	5	46

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 16.04.2017 :

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 : 16.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER