

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का अंग)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 26.05.2017
Date of Reporting : 27.05.2017

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
46247	480	46726	0.00	50186	301	50487	0.00	1153.45	9.97

* 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	Renewable/Others \$	Total					
Punjab	63.48	14.93	0.33	78.74	96.45	96.08	-0.37	174.82	0.00
Haryana	47.15	0.47	0.00	47.61	110.00	110.30	0.30	157.92	0.00
Rajasthan	114.69	0.04	34.62	149.35	65.67	70.01	4.33	219.35	0.60
Delhi	20.22		0.00	20.22	100.82	102.01	1.19	122.23	0.01
UP	200.40	16.80	0.00	217.20	150.17	150.96	0.79	368.16	0.00
Uttarakhand		15.69	7.24	22.93	18.54	15.41	-3.13	38.34	0.00
HP		16.18	5.43	21.61	3.88	4.78	0.90	26.39	0.01
J & K		22.99	0.00	22.99	15.54	16.88	1.34	39.87	9.35
Chandigarh			0.00	0.00	6.53	6.37	-0.15	6.37	0.00
Total	445.93	87.09	47.62	580.65	567.60	572.80	5.20	1153.45	9.97

* 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	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	6425	0	391	195	7174	0	-8	342	7989	9	0
Haryana	6850	0	-200	499	7367	0	232	535	7367	3	0
Rajasthan	8553	0	172	211	9322	0	193	-217	9933	24	184
Delhi	5015	0	638	315	5200	0	219	430	5902	16	0
UP	15499	0	-400	2354	16557	0	262	2343	17512	1	0
Uttarakhand	898	0	-655	196	1625	0	-54	131	1929	15	0
HP	833	0	-156	-1223	992	0	43	-998	1307	12	0
J&K	1918	480	302	-773	1705	301	301	-986	2006	21	502
Chandigarh	256	0	-1	10	244	0	-2	44	340	16	0
Total	46247	480	92	1783	50186	301	1187	1626	51431	1	466

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

Diversity is 1.06

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
	Rihand I STPS (2*500)	1000	914	875	998	20.22	843	20.93	-0.71
	Rihand II STPS (2*500)	1000	943	812	977	20.82	868	21.34	-0.52
	Rihand III STPS (2*500)	1000	943	881	984	20.80	867	21.40	-0.60
	Dadri I STPS (4*210)	840	769	461	467	11.54	481	11.56	-0.02
	Dadri II STPS (2*490)	980	929	573	713	16.46	686	16.82	-0.36
	Unchahar I TPS (2*210)	420	350	226	277	6.61	275	7.31	-0.69
	Unchahar II TPS (2*210)	420	383	226	345	6.67	278	7.78	-1.11
	Unchahar III TPS (1*210)	210	192	120	148	3.43	143	3.87	-0.43
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	1421	1057	1181	26.94	1123	29.42	-2.47
	Dadri GPS (4*130.19+2*154.51)	830	729	227	366	7.39	308	7.63	-0.25
	Anta GPS (3*88.71+1*153.2)	419	381	0	0	0.00	0	0.00	0.00
	Aurajya GPS (4*111.19+2*109.30)	663	598	183	0	2.38	99	2.50	-0.11
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.01	0	0.07	-0.06
	KHEP(4*200)	800	792	719	218	14.37	599	14.30	0.07
	Sub Total (A)	12612	11123	8174	8595	198	8268	206	-7.22
B. NPC	NAPS (2*220)	440	380	403	425	9.08	378	9.12	-0.04
	RAPS- B (2*220)	440	350	396	400	8.51	355	8.37	0.14
	RAPS- C (2*220)	440	410	446	450	9.60	400	9.84	-0.24
	Sub Total (B)	1320	1140	1245	1275	27.19	1133	27.33	-0.14
C. NHPC	Chamera I HPS (3*180)	540	534	528	0	8.56	357	8.41	0.15
	Chamera II HPS (3*100)	300	301	308	303	7.27	303	7.22	0.04
	Chamera III HPS (3*77)	231	232	225	233	5.60	233	5.54	0.06
	Bairasuil HPS(3*60)	180	179	185	152	3.28	137	3.13	0.15
	Salal-HPS (6*115)	690	659	674	671	16.09	671	15.82	0.27
	Tanakpur-HPS (3*31.4)	94	44	54	44	1.16	48	1.05	0.11
	Uri-I HPS (4*120)	480	474	480	480	11.66	486	11.38	0.28
	Uri-II HPS (4*60)	240	185	187	190	4.52	188	4.44	0.08
	Dhauliganga-HPS (4*70)	280	229	260	143	3.76	157	3.77	0.00
	Dulhasti-HPS (3*130)	390	387	390	398	9.37	391	9.30	0.07
	Sewa-II HPS (3*40)	120	119	119	78	1.59	66	1.50	0.09
	Parbati 3 (4*130)	520	496	393	0	2.31	96	2.32	-0.01
	Sub Total (C)	4065	3838	3803	2692	75	3132	74	1.28
D.SJVNL	NJPC (6*250)	1500	1482	1497	1535	35.79	1491	35.57	0.22
	Rampur HEP (6*68.67)	412	408	407	410	9.90	412	9.79	0.11
	Sub Total (D)	1912	1890	1904	1945	45.68	1904	45.36	0.33
E. THDC	Tehri HPS (4*250)	1000	402	0	271	5.87	245	5.93	-0.06
	Koteshwar HPS (4*100)	400	156	275	101	3.61	150	3.75	-0.14
	Sub Total (E)	1400	558	275	372	9.48	395	9.68	-0.20
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	596	1079	475	14.45	602	14.30	0.15
	Dehar HPS (6*165)	990	481	495	495	11.60	483	11.55	0.06
	Pong HPS (6*66)	396	77	260	0	1.85	77	1.86	-0.01
	Sub Total (F)	2765	1154	1834	970	27.91	1163	27.70	0.20
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	153	167	3.25	135	2.69	0.55
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	25.93	1080	26.08	-0.15
	Malana Stg-II HPS (2*50)	100	0	111	40	1.28	54	1.19	0.09
	Shree Cement TPS (2*150)	300	0	144	148	3.49	145	3.14	0.35
	Budhil HPS(IPP) (2*35)	70	0	73	70	1.60	67	1.41	0.19
	Sub Total (G)	1662	0	1580	1525	35.55	1481	34.52	1.03
H. Total Regional Entities (A-G)		25737	19703	18815	17374	419.41	17475	424.13	-4.72

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	910	420	16.35	681
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.06	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	590	934	17.16	715

	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	1320	30.15	1256
	Talwandi Saboo (3*660)	1980	0	0	-0.09	-4
	Thermal (Total)	6560	2160	2674	63.48	2645
	Total Hydro	1000	628	611	14.93	622
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.26	11
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	0	0	0.33	14
	Total Punjab	8408	2788	3285	78.74	3281
Haryana	Panipat TPS (2*210+2*250)	920	200	228	4.94	206
	DCRTPP (Yamuna nagar) (2*300)	600	464	555	11.44	476
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	379	577	9.38	391
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	739	1139	21.39	891
	Thermal (Total)	4497	1782	2499	47.15	1964
	Total Hydro	62	18	22	0.47	19
	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	1800	2521	47.61	1984
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	759	953	20.81	867
	suratgarh TPS (6*250)	1500	556	666	14.41	600
	Chabra TPS (4*250)	1000	389	441	9.55	398
	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	158	162	4.21	175
	RAPS A (NPC) (1*100+1*200)	300	167	167	4.21	175
	Barsingsar (NLC) (2*125)	250	100	111	2.42	101
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	501	797	18.61	775
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	560	11.93	497
	Kawai(Adani) (2*660)	1320	1195	1197	28.53	1189
	Thermal (Total)	9536	4234	5054	114.69	4779
	Total Hydro	550	0	0	0.04	2
	Wind power	4017	1071	1479	31.42	1309
	Biomass	99	11	11	0.26	11
	Solar	1295	0	0	2.94	122
	Renewable/Others (Total)	5411	1082	1490	34.62	1442
	Total Rajasthan	15497	5316	6544	149.35	6223
UP	Anpara TPS (3*210+2*500)	1630	1382	1242	32.20	1342
	Obra TPS (2*50+2*94+5*200)	1194	654	534	13.60	567
	Paricha TPS (2*110+2*220+2*250)	1160	692	645	17.80	742
	Panki TPS (2*105)	210	108	140	3.00	125
	Harduaganj TPS (1*60+1*105+2*250)	665	424	513	12.20	508
	Tanda TPS (NTPC) (4*110)	440	386	390	8.80	367
	Roza TPS (IPP) (4*300)	1200	748	914	23.70	988
	Anpara-C (IPP) (2*600)	1200	532	531	11.90	496
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	293	283	8.40	350
	Anpara-D(2*500)	1000	812	857	19.30	804
	Lalitpur TPS(3*660)	1980	716	714	17.20	717
	Bara(2*660)	1320	1171	1176	27.50	1146
	Thermal (Total)	12449	7918	7939	195.60	8150
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.30	429
	Alaknanda(4*82.5)	330	168	84	3.60	150
	Other Hydro	527	134	89	2.90	121
	Cogeneration	981	200	200	4.80	200
	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	8855	8747	217.20	9050	
Uttarakhand	Other Hydro	1250	673	583	15.69	654
	Total Gas	225	288	281	6.62	276
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.62	26
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.62	26
	Total Uttarakhand	1802	961	864	22.93	956
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	75	1.70	71
	Pragati Gas Turbine (2x104+ 1x122)	330	140	140	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	290	290	6.97	290
	Badarpur TPS (NTPC) (3*95+2*210)	705	340	340	7.89	329
	Thermal (Total)	2917	844	845	20.22	842
	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	844	845	20.22	842	
HP	Baspa HPS (IPP) (3*100)	300	303	333	6.96	290
	Malana HPS (IPP) (2*43)	86	83	68	1.17	49
	Other Hydro (>25MW)	372	369	356	8.04	335
	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	245	210	5.43	226
	Renewable(Total)	486	245	210	5.43	226
Total HP	1244	1000	967	21.61	900	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	880	880	21.12	880
	Other Hydro/IPP(including 98 MW Small Hydro)	308	85	56	1.87	78
	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	965	936	23	958
Total State Control Area Generation	50738	22529	24709	580.65	24194
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7620	8785	168.60	7025
Total Regional Availability(Gross)	76475	48964	50868	1168.65	48694

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9899	7505	203.06	8461
State Control Area Hydro	7163	4309	4008	92.53	4157
Total Regional Hydro	19397	14208	11513	295.59	12618

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	1327	1700	41.00	1708
Total Regional Renewable	7386	1327	1700	41.07	1711

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-500	-500	0	500	0.00	11.74	-11.74
765 KV Gwalior-Agra (D/C)	2921	2332	2921	0	45.38	0.00	45.38
400 KV Zerda-Kankroli	24	-240	24	414	0.00	5.84	-5.84
400 KV Zerda-Bhinmal	44	-233	87	378	0.00	4.66	-4.66
220 KV Auraiya-Malanpur	-45	-31	0	79	0.00	1.36	-1.36
220 KV Badod-Kota/Morak	114	33	155	57	0.27	0.00	0.27
Mundra-Mohindergarh(HVDC Bipole)	1502	1598	2506	0	41.94	0.00	41.94
400 KV RAPPCC-Sujalpur	239	106	239	0	1.81	0.00	1.81
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1148	974	1204	0	22.66	0.00	22.66
+/- 800 kV HVDC Champa-Kurushetra	0	1500	1500	0	20.29	0	20.29
Sub Total WR	5447	5539			132.35	23.61	108.74
400 kV Sasaram - Varanasi	91	177	206	0	3.85	0.00	3.85
400 kV Sasaram - Allahabad	4	66	66	0	0.76	0.00	0.76
400 KV MZP- GKP (D/C)	266	265	453	0	6.33	0.00	6.33
400 KV Patna-Balia(D/C) X 2	494	719	749	0	14.46	0.00	14.46
400 KV B'Sharif-Balia (D/C)	230	196	257	0	3.99	0.00	3.99
765 KV Gaya-Balia	466	342	261	0	6.89	0.00	6.89
765 KV Gaya-Varanasi (D/C)	385	326	386	0	6.09	0.00	6.09
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	0	0	30	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-33	-37	62	186	0.00	1.15	-1.15
400 KV Barh -GKP (D/C)	382	492	512	0	9.63	0.00	9.63
400 kV B'Sharif - Varanasi (D/C)	-86	-81	44	159	0.00	1.80	-1.80
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2173	2465			51.98	3.51	48.46
+/- 800 KV HVDC BiswanathCharialli-Agra	0	781	781	0.00	11.39	0.00	11.39
Sub Total NER	0	781			11.39	0.00	11.39
Total IR Exch	7620	8785			195.72	27.12	168.60

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
53.76	1.09	54.85	2.07	2.24	-7.88	1.31	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
49.03	115.17	164.20	59.85	108.74	168.60	10.82	-6.43	4.39

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-27	-23	0	30	0	1	-0.59

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	1.76	30.96	63.51	24.46	9.91	0.46	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)	
50.26	18.03	49.84	0.22	50.03	0.043	0.060	0.00	0.00	36.49

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviate
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	406	21:20	399	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	5:31	401	19:34	0.0	0.0	10.4	0.0	10.4
Bareilly(PG)400kV	400	420	20:50	397	0:05	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	6:05	399	0:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	20:58	392	14:56	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	414	6:01	386	13:50	0.0	7.3	0.0	0.0	0.0
Bawana	400	412	20:47	393	14:56	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	18:05	399	0:08	0.0	0.0	0.0	0.0	0.0
Hissar	400	410	18:02	395	0:22	0.0	0.0	0.0	0.0	0.0
Moga	400	411	18:03	396	11:20	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	408	21:12	391	11:36	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	413	18:04	396	11:33	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	409	18:01	395	11:36	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	16:05	378	6:28	2.7	52.2	0.0	0.0	2.7
Amritsar	400	414	18:02	394	11:36	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	411	18:02	394	14:55	1.7	1.7	0.0	0.0	1.7
Rishikesh	400	421	20:36	385	16:36	0.0	1.5	0.5	0.0	0.5

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	779	17:59	744	0:04	0.0	0.0	0.0	0.0	0.0
Balia	765	796	6:02	761	0:04	0.0	0.0	0.0	0.0	0.0
Moga	765	791	18:02	760	11:36	0.0	0.0	0.0	0.0	0.0
Agra	765	799	18:03	757	0:04	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	799	18:10	770	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	780	23:57	742	0:04	0.0	0.0	0.0	0.0	0.0
Lucknow	765	796	6:08	759	0:04	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	20:49	764	0:22	0.0	0.0	2.7	0.0	2.7
Jhatikara	765	797	18:02	764	0:05	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	805	20:47	765	0:05	0.0	0.0	4.7	0.0	4.7
Anta	765	787	18:29	764	23:17	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:00	758	14:51	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	471.21	287.87	477.73	407.63	776.31	527.20
Pong	426.72	384.05	394.56	116.59	391.66	76.21	84.58	146.03
Tehri	829.79	740.04	745.20	25.00	742.55	11.87	131.60	208.00
Koteshwar	612.50	598.50	609.16	4.21	606.35	2.88	208.00	237.66
Chamera-I	760.00	748.75	753.80	0.00	0.00	0.00	330.24	232.60
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	513.59	6.85	504.12	2.87	189.92	296.56

* 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	293	49	0	195	0	0	7.45	2.84	10.30
Delhi	509	-79	0	491	-176	0	12.89	-1.77	11.13
Haryana	342	193	0	342	157	0	3.23	3.85	7.08
HP	-725	-273	0	-597	-626	0	-15.84	-9.59	-25.43
J&K	-575	-411	0	-575	-198	0	-13.80	-5.55	-19.35
CHD	0	44	0	0	10	0	0.00	0.83	0.83
Rajasthan	34	-251	0	44	167	0	0.84	3.96	4.80
UP	936	1407	0	1044	1310	0	10.94	13.22	24.15
Uttarakhand	129	2	0	133	63	0	2.60	0.52	3.12
Total	943	683	0	1077	706	0	8.32	8.30	16.62

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	510	195	345	0	0	0
Delhi	683	471	303	-671	0	0
Haryana	342	-107	265	-26	0	0
HP	-590	-801	-245	-712	0	0
J&K	-575	-575	-6	-411	0	0
CHD	0	0	88	0	0	0
Rajasthan	45	23	311	-460	0	0
UP	1044	83	1892	-47	0	0
Uttarakhand	133	-26	123	-113	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	4	51
Haryana	4	58
Rajasthan	5	58
Delhi	4	52
UP	4	54
Uttarakhand	7	69
HP	7	63
J & K	5	69
Chandigarh	4	51

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.05.2017 :

XVI. Synchronisation of new generating units :

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

400 KV main bays 414 & 415 at Kurukshetra PG first time charged at 13:18 and 13:19 Hr.

400/220 kV ICT-I charge 1st time at Hapur(500 MVA) at 12:24 Hrs.

400/220 kV ICT-II charge 1st time at Hapur(500 MVA) at 13:21 Hrs.

315MVA ICT-II charge 1st time at Mathura at 16:19 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 : 26.05.2017

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER