पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 30.05.2017

Date of Reporting : 31.05.2017

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
46515	1849	48364	0.00	44462	218	44680	0.00	1044.94	7.96

* 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	47.39	10.54	0.35	58.28	102.07	103.07	1.00	161.35	0.00
Haryana	24.81	0.71	0.00	25.52	114.19	116.60	2.40	142.11	0.17
Rajasthan	112.90	0.00	19.65	132.55	67.92	69.23	1.31	201.78	0.00
Delhi	18.20		0.00	18.20	88.51	88.18	-0.33	106.37	0.00
UP	183.09	17.60	0.00	200.69	125.67	127.90	2.23	328.59	0.00
Uttarakhand		16.44	3.08	19.52	19.70	19.53	-0.17	39.05	0.00
HP		16.32	5.84	22.15	1.59	4.62	3.03	26.77	0.00
J & K		23.08	0.00	23.08	14.27	9.93	-4.34	33.01	7.79
Chandigarh				0.00	6.32	5.91	-0.41	5.91	0.00
Total	**386.38**	**84.69**	**28.92**	**499.99**	**540.25**	**544.96**	**4.71**	**1044.94**	7.96

* Shortage furnished by the respective constituent.$ 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	7153	0	83	195	6369	0	-31	294	7153	20	0
Haryana	6555	81	-86	572	6265	0	-38	588	6748	21	225
Rajasthan	8240	0	-179	402	8291	0	66	363	9602	24	0
Delhi	4521	0	-105	376	4353	0	81	467	5256	24	0
UP	15650	1445	211	1033	15334	0	217	750	15691	21	840
Uttarakhand	1787	0	-51	162	1464	0	-76	89	1844	21	0
HP	1064	0	44	-1399	930	0	140	-1380	1254	16	0
J&K	1292	323	-463	-703	1237	218	-123	-734	1795	13	449
Chandigarh	252	0	-35	0	218	0	-28	0	299	15	0
Total	**46515**	**1849**	**-580**	**638**	**44462**	**218**	**207**	**437**	**47654**	**21**	**1388**

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

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III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

	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	1725	1779	1873	40.63	1693	40.48	0.15
	Rihand I STPS (2*500)	1000	923	862	854	19.83	826	19.95	-0.11
	Rihand II STPS (2*500)	1000	943	886	883	19.60	817	19.76	-0.16
	Rihand III STPS (2*500)	1000	943	872	878	19.70	821	19.61	0.08
	Dadri I STPS (4*210)	840	769	426	417	10.46	436	10.41	0.05
	Dadri II STPS (2*490)	980	929	720	513	14.54	606	14.97	-0.44
	Unchahar I TPS (2*210)	420	350	346	362	7.06	294	7.34	-0.28
	Unchahar II TPS (2*210)	420	383	385	387	7.62	317	8.07	-0.45
	Unchahar III TPS (1*210)	210	192	189	187	3.54	148	4.02	-0.47
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1200	1109	1130	23.32	972	25.31	-1.99
	Dadri GPS (4*130.19+2*154.51)	830	742	366	247	7.47	311	7.77	-0.30
	Anta GPS (3*88.71+1*153.2)	419	381	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	608	0	168	0.98	41	1.14	-0.17
	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	0.00	0	0.06	-0.06
	KHEP(4*200)	800	792	678	868	16.79	700	15.99	0.80
	Sub Total (A)	**12612**	**10884**	**8618**	**8767**	**192**	**7984**	**195**	**-3.34**
B. NPC	NAPS (2*220)	440	390	414	428	9.20	383	9.36	-0.16
	RAPS- B (2*220)	440	353	399	409	8.56	357	8.44	0.12
	RAPS- C (2*220)	440	418	441	451	9.63	401	10.03	-0.40
	Sub Total (B)	**1320**	**1161**	**1254**	**1288**	**27.39**	**1141**	**27.83**	**-0.44**
C. NHPC	Chamera I HPS (3*180)	540	534	545	545	13.01	542	12.82	0.20
	Chamera II HPS (3*100)	300	301	309	307	7.26	303	7.22	0.04
	Chamera III HPS (3*77)	231	232	237	236	5.58	233	5.56	0.02
	Bairasuil HPS(3*60)	180	179	182	183	3.25	135	3.13	0.12
	Salal-HPS (6*115)	690	586	673	562	14.50	604	14.07	0.42
	Tanakpur-HPS (3*31.4)	94	47	55	49	1.23	51	1.12	0.12
	Uri-I HPS (4*120)	480	474	480	480	11.60	483	11.38	0.22
	Uri-II HPS (4*60)	240	235	242	238	5.72	239	5.67	0.06
	Dhauliganga-HPS (4*70)	280	280	289	0	3.22	134	3.09	0.13
	Dulhasti-HPS (3*130)	390	387	404	399	9.43	393	9.30	0.13
	Sewa-II HPS (3*40)	120	119	118	0	2.02	84	2.00	0.02
	Parbati 3 (4*130)	520	514	514	0	2.42	101	2.34	0.08
	Sub Total (C)	**4065**	**3888**	**4047**	**3000**	**79**	**3302**	**78**	**1.56**
D.SJVNL	NJPC (6*250)	1500	1482	1504	1620	36.55	1523	35.55	1.00
	Rampur HEP (6*68.67)	412	408	409	452	10.17	424	9.79	0.38
	Sub Total (D)	**1912**	**1890**	**1913**	**2072**	**46.72**	**1947**	**45.34**	**1.38**
E. THDC	Tehri HPS (4*250)	1000	402	393	266	7.87	328	7.90	-0.03
	Koteshwar HPS (4*100)	400	156	300	102	3.76	157	3.75	0.01
	Sub Total (E)	**1400**	**558**	**693**	**368**	**11.63**	**484**	**11.65**	**-0.02**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	489	1079	344	11.94	497	11.73	0.21
	Dehar HPS (6*165)	990	485	495	495	11.63	485	11.64	-0.01
	Pong HPS (6*66)	396	126	312	52	2.98	124	3.02	-0.04
	Sub Total (F)	**2765**	**1099**	**1886**	**891**	**26.55**	**1106**	**26.38**	**0.17**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	179	202	3.68	153	3.94	-0.26
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.14	1089	26.08	0.06
	Malana Stg-II HPS (2*50)	100	0	111	50	1.42	59	1.34	0.09
	Shree Cement TPS (2*150)	300	0	122	87	2.37	99	2.32	0.04
	Budhil HPS(IPP) (2*35)	70	0	74	73	1.74	73	1.59	0.15
	Sub Total (G)	**1662**	**0**	**1585**	**1512**	**35.34**	**1473**	**35.27**	**0.08**
H. Total Regional Entities (A-G)		**25737**	**19480**	**19996**	**17898**	**418.50**	**17438**	**419.13**	**-0.63**

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	600	320	11.18	466
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	195	0	1.57	65
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	942	721	18.53	772
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	660	16.21	675
	Talwandi Saboo (3*660)	1980	0	0	-0.08	-3

	Thermal (Total)	**6560**	**2397**	**1701**	47.39	**1975**
	Total Hydro	1000	437	424	10.54	439
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.27	11
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**0**	**0**	**0.35**	**15**
	Total Punjab	**8408**	**2834**	**2125**	**58.28**	**2428**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1189	1181	24.81	1034
	Thermal (Total)	**4497**	**1189**	**1181**	**24.81**	**1034**
	Total Hydro	62	24	32	0.71	30
	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**	**1213**	**1213**	**25.52**	**1063**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	950	949	23.35	973
	suratgarh TPS (6*250)	1500	190	189	4.61	192
	Chabra TPS (4*250)	1000	460	415	9.40	392
	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	165	165	3.93	164
	RAPS A (NPC) (1*100+1*200)	300	157	161	3.98	166
	Barsingsar (NLC) (2*125)	250	112	112	2.52	105
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	553	751	15.92	663
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	826	1070	22.41	934
	Kawai(Adani) (2*660)	1320	1031	1199	26.78	1116
	Thermal (Total)	**9536**	**4444**	**5011**	**112.90**	**4704**
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	1044	325	16.43	685
	Biomass	99	25	25	0.61	25
	Solar	1295	0	0	2.61	109
	Renewable/Others (Total)	5411	1069	350	19.65	819
	Total Rajasthan	**15497**	**5513**	**5361**	**132.55**	**5523**
UP	Anpara TPS (3*210+2*500)	1630	1382	1250	31.10	1296
	Obra TPS (2*50+2*94+5*200)	1194	544	660	13.80	575
	Paricha TPS (2*110+2*220+2*250)	1160	822	879	12.30	513
	Panki TPS (2*105)	210	117	122	3.00	125
	Harduaganj TPS (1*60+1*105+2*250)	665	519	536	12.30	513
	Tanda TPS (NTPC) (4*110)	440	390	390	8.89	370
	Roza TPS (IPP) (4*300)	1200	1053	1062	23.60	983
	Anpara-C (IPP) (2*600)	1200	338	353	8.20	342
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	403	8.20	342
	Anpara-D(2*500)	1000	843	875	19.50	813
	Lalitpur TPS(3*660)	1980	1003	1008	23.40	975
	Bara(2*660)	1320	602	597	14.00	583
	Thermal (Total)	**12449**	**8018**	**8135**	**178.29**	**7429**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.40	433
	Alaknanada(4*82.5)	330	154	165	3.80	158
	Other Hydro	527	144	201	3.40	142
	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**	**8951**	**9136**	**200.69**	**8362**
Uttarakhand	Other Hydro	1250	674	654	16.44	685
	Total Gas	225	95	88	2.33	97
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.75	31
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.75	31
	Total Uttarakhand	**1802**	**769**	**742**	**19.52**	**813**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	32	34	0.82	34
	Pragati Gas Turbine (2x104+ 1x122)	330	149	156	3.72	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	299	251	6.66	277
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	317	7.00	292
	Thermal (Total)	**2917**	**804**	**758**	**18.20**	**758**
	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**	**804**	**758**	**18.20**	**758**
HP	Baspa HPS (IPP) (3*100)	300	300	330	7.05	294
	Malana HPS (IPP) (2*43)	86	82	37	1.24	52
	Other Hydro (>25MW)	372	344	344	8.02	334
	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	254	242	5.84	243
	Renewable(Total)	**486**	**254**	**242**	**5.84**	**243**
	Total HP	**1244**	**981**	**953**	**22.15**	**923**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	884	884	21.22	884
	Other Hydro/IPP(including 98 MW Small Hydro)	308	64	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**	**948**	**940**	**23**	**962**
Total State Control Area Generation		**50738**	**22012**	**21228**	**499.99**	**20833**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6504**	**6872**	**143.07**	**5961**
Total Regional Availability(Gross)		**76475**	**48512**	**45998**	**1061.55**	**44231**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10606**	**8551**	**212.18**	**8841**
State Control Area Hydro	**7163**	**3892**	**3892**	**90.52**	**3900**
Total Regional Hydro	**19397**	**14498**	**12443**	**302.70**	**12741**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.08**	**3**
State Control Area Renewable	**7356**	**1323**	**592**	**26.59**	**1108**
Total Regional Renewable	**7386**	**1323**	**592**	**26.66**	**1111**

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
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	-250	-250	0	500	0.00	6.93	-6.93
765 KV Gwalior-Agra (D/C)	1964	1673	1989	0	30.29	0.00	30.29
400 KV Zerda-Kankroli	-207	-245	0	466	0.00	7.12	-7.12
400 KV Zerda-Bhinmal	-116	-134	103	368	0.00	4.82	-4.82
220 KV Auraiya-Malanpur	-31	-76	0	98	0.00	1.56	-1.56
220 KV Badod-Kota/Morak	-25	17	52	68	0.00	0.43	-0.43
Mundra-Mohindergarh(HVDC Bipole)	2000	2002	2007	0	47.91	0.00	47.91
400 KV RAPPC-Sujalpur	237	211	239	0	2.90	0.00	2.90
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	771	669	439	0	15.00	0.00	15.00
+/- 800 kV HVDC Champa-Kurushetra	500	1500	1500	0	29.30	0	29.30
Sub Total WR	**4843**	**5367**			**125.40**	**20.85**	**104.55**
400 kV Sasaram - Varanasi	206	214	218	0	5.01	0.00	5.01
400 kV Sasaram - Allahabad	31	21	43	1	0.00	0.00	0.00
400 KV MZP- GKP (D/C)	291	238	372	0	6.37	0.00	6.37
400 KV Patna-Balia(D/C) X 2	513	549	557	0	11.37	0.00	11.37
400 KV B'Sharif-Balia (D/C)	72	67	160	0	1.08	0.00	1.08
765 KV Gaya-Balia	214	208	220	0	2.67	0.00	2.67
765 KV Gaya-Varanasi (D/C)	214	223	250	0	4.08	0.00	4.08
220 KV Pusauli-Sahupuri	147	178	207	0	3.79	0.00	3.79
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-40	0	41	0.00	0.81	-0.81
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	16	-138	102	176	0.00	1.78	-1.78
400 KV Barh -GKP (D/C)	482	484	500	0	9.67	0.00	9.67
400 kV B'Sharif - Varanasi (D/C)	5	1	26	62	0.00	0.14	-0.14
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2161**	**2005**			**44.03**	**2.73**	**41.30**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	500	500.00	0.00	2.78	-2.78
Sub Total NER	**-500**	**-500**			**0.00**	**2.78**	**-2.78**
Total IR Exch	**6504**	**6872**			**169.43**	**26.36**	**143.07**

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
48.87	1.05	49.92	2.24	0.97	-14.69	-10.74	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
37.46	104.14	141.60	38.52	104.55	143.07	1.06	0.41	1.46

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
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-27	-22	0	28	0	1	-0.58

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	2.72	47.11	78.21	15.80	3.38	0.00	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.20	8.03	49.86	19.17	50.00	0.028	0.053	0.00	0.00	21.79

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	405	18:16	401	9:36	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	410	14:01	388	20:41	0.0	3.6	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	5:34	372	11:58	0.0	1.6	0.0	0.0	0.0
Kanpur	400	411	6:37	396	21:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	5:32	399	14:45	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	414	5:33	394	14:47	0.0	0.0	0.0	0.0	0.0
Bawana	400	414	5:33	397	14:45	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	18:30	397	22:31	0.0	0.0	0.5	0.0	0.5
Hissar	400	410	18:00	395	19:34	0.0	0.0	0.0	0.0	0.0
Moga	400	414	18:02	400	10:30	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	413	5:34	397	19:42	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	5:38	403	10:46	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	2:48	399	21:08	0.0	0.0	0.0	0.0	0.0
Wagoora	400	398	18:01	376	20:07	15.4	80.0	0.0	0.0	15.4
Amritsar	400	422	2:46	403	10:26	0.0	0.0	5.1	0.0	5.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	2:44	398	10:14	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	5:33	388	19:50	0.0	1.9	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	771	18:35	739	10:46	0.0	1.8	0.0	0.0	0.0
Balia	765	773	23:29	741	20:44	0.0	0.3	0.0	0.0	0.0
Moga	765	792	18:32	764	10:35	0.0	0.0	0.0	0.0	0.0
Agra	765	788	18:32	755	10:36	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	18:32	768	22:29	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	18:31	735	21:20	0.0	8.3	0.0	0.0	0.0

Lucknow	765	778	5:35	741	20:06	0.0	0.2	0.0	0.0	0.0
Meerut	765	799	18:32	761	19:53	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	790	5:35	756	10:33	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	785	5:34	742	19:52	0.0	0.0	0.0	0.0	0.0
Anta	765	797	18:46	757	18:55	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	18:38	763	22:31	0.0	0.0	0.0	0.0	0.0

Note : "0" in Max / Min Col -> Telemetry Outage

IX. Reservior Parameters:

Name of Reservior	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	472.89	313.90	477.97	414.26	814.05	439.19
Pong	426.72	384.05	394.52	116.59	391.24	72.04	220.08	238.17
Tehri	829.79	740.04	744.40	21.02	742.10	9.85	140.46	282.00
Koteshwar	612.50	598.50	610.08	4.69	605.73	3.32	282.00	247.65
Chamera-I	760.00	748.75	753.07	0.00	0.00	0.00	347.07	353.23
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	514.05	2.94	504.23	2.89	322.46	223.19

*** 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	294	0	0	195	0	0	7.15	1.64	8.78
Delhi	512	-45	0	474	-97	0	12.21	-2.40	9.82
Haryana	344	244	0	344	228	0	3.29	5.35	8.64
HP	-695	-684	0	-595	-805	0	-15.06	-14.92	-29.98
J&K	-573	-161	0	-573	-131	0	-13.74	-7.11	-20.86
CHD	0	0	0	0	0	0	0.00	0.07	0.07
Rajasthan	44	318	0	44	358	0	1.06	8.37	9.42
UP	750	0	0	1033	0	0	9.79	-0.27	9.52
Uttarakhand	133	-44	0	133	28	0	2.53	-0.80	1.73
Total	**809**	**-372**	**0**	**1056**	**-419**	**0**	**7.22**	**-10.07**	**-2.85**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	423	195	346	0	0	0
Delhi	622	474	99	-596	0	0
Haryana	344	-103	265	172	0	0
HP	-592	-696	-379	-907	0	0
J&K	-573	-573	0	-443	0	0
CHD	0	0	20	0	0	0
Rajasthan	44	40	371	267	0	0
UP	1121	73	0	-30	0	0
Uttarakhand	133	-1	160	-217	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%**

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	1	20
Haryana	3	30
Rajasthan	1	22
Delhi	4	28
UP	1	15
Uttarakhand	4	48
HP	3	30
J & K	5	32
Chandigarh	5	41

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.05.2017 :

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 : 30.05.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER