पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.05.2017

Date of Reporting : 30.05.2017

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
45135	475	45609	50.08	40827	253	41080	50.10	962.88	8.25

* 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	44.32	13.03	0.35	57.69	88.59	89.23	0.65	146.92	0.00
Haryana	24.02	0.70	0.00	24.72	101.95	97.65	-4.29	122.38	0.00
Rajasthan	105.35	0.00	15.18	120.53	61.51	61.75	0.25	182.29	0.00
Delhi	18.41		0.00	18.41	87.31	85.50	-1.82	103.91	0.02
UP	164.39	17.20	0.00	181.59	125.75	124.55	-1.20	306.13	0.00
Uttarakhand		16.52	2.61	19.13	16.81	16.89	0.07	36.01	0.00
HP		16.18	5.31	21.49	1.21	3.48	2.27	24.97	0.00
J & K		23.08	0.00	23.08	13.94	11.60	-2.34	34.68	8.23
Chandigarh				0.00	6.32	5.59	-0.73	5.59	0.00
Total	**356.49**	**86.71**	**23.45**	**466.64**	**503.38**	**496.24**	**-7.14**	**962.88**	8.25

* 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	6574	0	-68	195	5642	0	-76	294	7067	24	0
Haryana	6354	0	-18	533	5553	0	-370	530	6694	21	0
Rajasthan	7456	0	-370	377	7671	0	-108	383	9033	1	0
Delhi	4256	0	-32	336	4696	0	-11	411	5254	1	0
UP	15638	0	-72	1025	13423	0	340	827	16500	21	0
Uttarakhand	1666	0	26	185	1464	0	100	-80	1714	21	0
HP	1059	0	81	-1295	723	0	-14	-1467	1274	13	0
J&K	1898	475	-70	-643	1436	253	113	-673	1917	21	479
Chandigarh	233	0	-41	0	219	0	-46	0	262	15	0
Total	**45135**	**475**	**-563**	**714**	**40827**	**253**	**-72**	**225**	**47175**	**21**	**479**

* 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	1735	1874	1472	35.10	1462	34.30	0.80
	Rihand I STPS (2*500)	1000	923	855	683	17.08	712	17.27	-0.19
	Rihand II STPS (2*500)	1000	943	852	728	17.41	725	17.50	-0.09
	Rihand III STPS (2*500)	1000	943	858	686	17.31	721	17.16	0.16
	Dadri I STPS (4*210)	840	769	461	455	10.18	424	10.20	-0.02
	Dadri II STPS (2*490)	980	929	589	533	12.62	526	12.83	-0.21
	Unchahar I TPS (2*210)	420	350	371	220	5.66	236	5.61	0.05
	Unchahar II TPS (2*210)	420	383	357	224	5.59	233	5.90	-0.31
	Unchahar III TPS (1*210)	210	192	211	117	2.83	118	2.92	-0.09
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1396	1383	893	22.14	923	20.57	1.57
	Dadri GPS (4*130.19+2*154.51)	830	760	342	226	5.72	239	5.79	-0.07
	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	598	199	182	4.50	187	4.50	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.01	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	792	867	788	19.56	815	19.01	0.55
	Sub Total (A)	**12612**	**11097**	**9219**	**7207**	**176**	**7327**	**174**	**2.16**
B. NPC	NAPS (2*220)	440	382	417	429	9.08	379	9.17	-0.08
	RAPS- B (2*220)	440	353	412	412	9.89	412	8.44	1.45
	RAPS- C (2*220)	440	418	443	447	9.62	401	10.03	-0.41
	Sub Total (B)	**1320**	**1153**	**1272**	**1288**	**28.59**	**1191**	**27.64**	**0.95**
C. NHPC	Chamera I HPS (3*180)	540	534	551	546	12.87	536	12.82	0.05
	Chamera II HPS (3*100)	300	301	308	297	6.69	279	6.70	0.00
	Chamera III HPS (3*77)	231	232	238	236	5.59	233	5.54	0.05
	Bairasuil HPS(3*60)	180	179	184	182	3.30	137	3.24	0.06
	Salal-HPS (6*115)	690	596	675	658	15.10	629	14.31	0.80
	Tanakpur-HPS (3*31.4)	94	58	52	59	1.39	58	1.39	-0.01
	Uri-I HPS (4*120)	480	474	480	480	11.64	485	11.38	0.26
	Uri-II HPS (4*60)	240	239	245	244	5.82	243	5.72	0.10
	Dhauliganga-HPS (4*70)	280	280	285	66	3.82	159	3.67	0.15
	Dulhasti-HPS (3*130)	390	387	402	396	9.31	388	9.30	0.01
	Sewa-II HPS (3*40)	120	119	130	0	2.53	105	2.50	0.03
	Parbati 3 (4*130)	520	498	522	129	2.63	110	2.60	0.03
	Sub Total (C)	**4065**	**3897**	**4070**	**3293**	**81**	**3362**	**79**	**1.53**
D.SJVNL	NJPC (6*250)	1500	1482	1525	1550	36.39	1516	35.57	0.82
	Rampur HEP (6*68.67)	412	408	428	422	10.19	425	9.79	0.40
	Sub Total (D)	**1912**	**1890**	**1953**	**1972**	**46.58**	**1941**	**45.36**	**1.22**
E. THDC	Tehri HPS (4*250)	1000	399	408	275	6.44	268	6.32	0.11
	Koteshwar HPS (4*100)	400	146	295	101	3.48	145	3.49	-0.01
	Sub Total (E)	**1400**	**545**	**703**	**376**	**9.92**	**413**	**9.82**	**0.11**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	494	1068	319	12.08	503	11.86	0.22
	Dehar HPS (6*165)	990	488	495	495	11.69	487	11.72	-0.02
	Pong HPS (6*66)	396	126	312	52	3.00	125	3.02	-0.02
	Sub Total (F)	**2765**	**1108**	**1875**	**866**	**26.77**	**1116**	**26.59**	**0.18**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	179	202	4.19	175	4.59	-0.40
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.23	1093	26.08	0.15
	Malana Stg-II HPS (2*50)	100	0	111	65	1.52	63	1.42	0.10
	Shree Cement TPS (2*150)	300	0	138	86	2.75	114	2.80	-0.06
	Budhil HPS(IPP) (2*35)	70	0	73	72	1.73	72	1.59	0.14
	Sub Total (G)	**1662**	**0**	**1601**	**1526**	**36.42**	**1517**	**36.49**	**-0.07**
H. Total Regional Entities (A-G)		**25737**	**19689**	**20693**	**16529**	**404.82**	**16868**	**398.75**	**6.08**

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	320	480	8.94	373
	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	617	590	13.88	578
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	660	21.76	907
	Talwandi Saboo (3*660)	1980	0	0	-0.21	-9

	Thermal (Total)	**6560**	**2257**	**1730**	44.32	**1847**
	Total Hydro	1000	436	640	13.03	543
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.32	13
	Solar	560	0	0	0.03	1
	Renewable(Total)	**848**	**0**	**0**	**0.35**	**15**
	Total Punjab	**8408**	**2693**	**2370**	**57.69**	**2404**
Haryana	Panipat TPS (2*210+2*250)	920	0	201	0.74	31
	DCRTPP (Yamuna nagar) (2*300)	600	0	443	2.34	98
	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	965	740	20.95	873
	Thermal (Total)	**4497**	**965**	**1384**	**24.02**	**1001**
	Total Hydro	62	32	32	0.70	29
	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**	**997**	**1416**	**24.72**	**1030**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	945	776	22.54	939
	suratgarh TPS (6*250)	1500	190	302	5.18	216
	Chabra TPS (4*250)	1000	364	392	9.01	375
	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	122	93	1.87	78
	RAPS A (NPC) (1*100+1*200)	300	159	163	3.99	166
	Barsingsar (NLC) (2*125)	250	112	97	2.38	99
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	443	402	14.43	601
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	914	837	21.51	896
	Kawai(Adani) (2*660)	1320	1094	862	24.45	1019
	Thermal (Total)	**9536**	**4343**	**3924**	**105.35**	**4390**
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	145	1746	14.57	607
	Biomass	99	26	26	0.61	26
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	171	1772	15.18	633
	Total Rajasthan	**15497**	**4514**	**5696**	**120.53**	**5022**
UP	Anpara TPS (3*210+2*500)	1630	1194	1256	29.30	1221
	Obra TPS (2*50+2*94+5*200)	1194	665	544	14.50	604
	Paricha TPS (2*110+2*220+2*250)	1160	869	640	13.60	567
	Panki TPS (2*105)	210	140	131	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	539	383	11.60	483
	Tanda TPS (NTPC) (4*110)	440	385	207	6.69	279
	Roza TPS (IPP) (4*300)	1200	1053	739	21.10	879
	Anpara-C (IPP) (2*600)	1200	351	313	8.00	333
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	403	280	7.40	308
	Anpara-D(2*500)	1000	835	836	18.40	767
	Lalitpur TPS(3*660)	1980	998	702	13.60	567
	Bara(2*660)	1320	599	386	12.20	508
	Thermal (Total)	**12449**	**8031**	**6417**	**159.59**	**6650**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.40	433
	Alaknanada(4*82.5)	330	164	164	4.30	179
	Other Hydro	527	201	63	2.50	104
	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**	**9031**	**7279**	**181.59**	**7566**
Uttarakhand	Other Hydro	1250	666	623	16.52	688
	Total Gas	225	88	89	2.32	97
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.28	12
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.28	12
	Total Uttarakhand	**1802**	**754**	**712**	**19.13**	**797**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	37	1.09	46
	Pragati Gas Turbine (2x104+ 1x122)	330	146	145	3.80	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	290	296	7.11	296
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	325	6.42	267
	Thermal (Total)	**2917**	**799**	**803**	**18.41**	**767**
	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**	**799**	**803**	**18.41**	**767**
HP	Baspa HPS (IPP) (3*100)	300	298	298	7.44	310
	Malana HPS (IPP) (2*43)	86	83	79	1.47	61
	Other Hydro (>25MW)	372	323	312	7.26	303
	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	238	225	5.31	221
	Renewable(Total)	**486**	**238**	**225**	**5.31**	**221**
	Total HP	**1244**	**942**	**914**	**21.49**	**896**
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**	**20678**	**20130**	**466.64**	**19443**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7233**	**4638**	**110.01**	**4584**
Total Regional Availability(Gross)		**76475**	**48604**	**41297**	**981.48**	**40895**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10858**	**8663**	**215.47**	**8978**
State Control Area Hydro	**7163**	**3912**	**3900**	**92.02**	**3943**
Total Regional Hydro	**19397**	**14769**	**12563**	**307.49**	**12921**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.13**	**6**
State Control Area Renewable	**7356**	**409**	**1997**	**21.13**	**880**
Total Regional Renewable	**7386**	**409**	**1997**	**21.26**	**886**

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)	0	-500	50	500	0.04	8.27	-8.23
765 KV Gwalior-Agra (D/C)	2133	1255	2396	0	30.73	0.00	30.73
400 KV Zerda-Kankroli	-69	-292	0	381	0.00	4.80	-4.80
400 KV Zerda-Bhinmal	117	-309	128	368	0.00	2.47	-2.47
220 KV Auraiya-Malanpur	-67	-42	0	173	0.00	1.53	-1.53
220 KV Badod-Kota/Morak	64	20	99	87	0.48	0.00	0.48
Mundra-Mohindergarh(HVDC Bipole)	1499	1599	2004	0	35.38	0.00	35.38
400 KV RAPPC-Sujalpur	363	9	366	197	3.47	0.00	3.47
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	785	561	1017	331	14.90	0.00	14.90
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	1500	0	18.59	0	18.59
Sub Total WR	**5825**	**3301**			**103.58**	**17.06**	**86.52**
400 kV Sasaram - Varanasi	212	227	230	0	4.70	0.00	4.70
400 kV Sasaram - Allahabad	21	10	52	0	0.18	0.00	0.18
400 KV MZP- GKP (D/C)	153	-60	276	110	1.77	0.00	1.77
400 KV Patna-Balia(D/C) X 2	478	238	546	0	7.23	0.00	7.23
400 KV B'Sharif-Balia (D/C)	24	3	175	0	0.34	0.00	0.34
765 KV Gaya-Balia	226	157	263	0	2.70	0.00	2.70
765 KV Gaya-Varanasi (D/C)	211	32	234	275	0.00	2.40	-2.40
220 KV Pusauli-Sahupuri	206	0	213	0	1.61	0.00	1.61
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-34	-42	0	43	0.00	0.89	-0.89
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-155	0	0	228	0.00	1.39	-1.39
400 KV Barh -GKP (D/C)	540	306	558	0	9.11	0.00	9.11
400 kV B'Sharif - Varanasi (D/C)	26	172	238	69	1.85	0.00	1.85
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1908**	**1043**			**29.49**	**4.68**	**24.81**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	294	294	504.00	0.00	1.32	-1.32
Sub Total NER	**-500**	**294**			**0.00**	**1.32**	**-1.32**
Total IR Exch	**7233**	**4638**			**133.08**	**23.06**	**110.01**

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
37.41	1.02	38.44	2.28	1.70	-18.71	-9.22	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
22.01	102.15	124.16	23.49	86.52	110.01	1.48	-15.63	-14.14

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	-24	-24	0	30	0	1	-0.62

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	0.08	7.36	43.60	68.50	16.89	7.18	0.14	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)	
50.21	8.07	49.79	20.48	50.01	0.045	0.067	0.00	0.00	31.50

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	472.41	308.66	477.79	414.26	825.83	429.54
Pong	426.72	384.05	394.53	116.59	391.34	72.04	204.76	237.27
Tehri	829.79	740.04	744.95	23.73	742.40	11.29	180.91	231.00
Koteshwar	612.50	598.50	609.08	4.21	606.80	3.33	231.00	229.50
Chamera-I	760.00	748.75	753.14	0.00	0.00	0.00	342.21	349.25
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	513.76	5.29	504.06	2.61	322.46	282.36

*** 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	6.57	3.81	10.38
Delhi	537	-126	0	474	-137	0	12.83	-3.01	9.83
Haryana	344	186	0	344	190	0	3.29	4.30	7.59
HP	-721	-747	0	-594	-701	0	-15.38	-15.40	-30.78
J&K	-573	-101	0	-573	-70	0	-13.74	-7.65	-21.40
CHD	0	0	0	0	0	0	0.00	0.25	0.25
Rajasthan	44	339	0	44	333	0	1.06	7.70	8.76
UP	858	-30	0	1025	0	0	10.60	-0.42	10.18
Uttarakhand	133	-213	0	133	52	0	3.11	-1.31	1.80
Total	**916**	**-691**	**0**	**1048**	**-335**	**0**	**8.34**	**-11.74**	**-3.40**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	294	195	593	0	0	0
Delhi	721	474	138	-612	0	0
Haryana	344	-103	229	-75	0	0
HP	-591	-797	-485	-853	0	0
J&K	-573	-573	0	-493	0	0
CHD	0	0	49	-25	0	0
Rajasthan	44	41	346	258	0	0
UP	1113	73	0	-30	0	0
Uttarakhand	133	112	125	-309	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	13
Haryana	3	37
Rajasthan	0	12
Delhi	5	51
UP	3	18
Uttarakhand	5	33
HP	4	42
J & K	3	40
Chandigarh	1	23

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.05.2017 :

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 : 29.05.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER