पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.08.2017

Date of Reporting : 30.08.2017

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
49500	1749	51249	50.07	49279	265	49545	50.02	1128.42	10.84

* 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	54.79	20.89	0.23	75.91	119.25	118.77	-0.48	194.68	0.00
Haryana	45.66	0.86	0.00	46.52	125.10	126.38	1.28	172.90	0.04
Rajasthan	106.31	3.42	26.78	136.51	56.52	56.47	-0.05	192.98	0.00
Delhi	30.04		0.00	30.04	83.51	82.15	-1.36	112.19	0.03
UP	154.22	23.88	0.00	178.10	161.91	164.88	2.97	342.98	0.00
Uttarakhand		21.15	7.40	28.55	10.53	10.59	0.06	39.14	0.00
HP		18.11	6.64	24.75	-0.07	0.00	0.08	24.75	0.51
J & K		26.00	0.00	26.00	15.06	17.31	2.24	43.31	10.26
Chandigarh				0.00	5.95	5.49	-0.46	5.49	0.00
Total	**391.02**	**114.31**	**41.05**	**546.38**	**577.76**	**582.04**	**4.28**	**1128.42**	10.84

* 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	7514	0	-314	1323	8870	0	87	1773	8988	1	0
Haryana	7601	380	22	1367	7717	0	116	1884	8168	22	0
Rajasthan	8038	0	3	-895	8830	0	133	111	9205	1	0
Delhi	4735	1	-81	272	4230	0	43	592	5258	24	0
UP	16300	740	-30	1700	15499	0	-120	1464	16806	22	790
Uttarakhand	1835	0	-52	-287	1468	0	-20	-163	1835	20	0
HP	1114	100	51	-1710	963	0	24	-1560	1261	8	0
J&K	2113	528	178	-809	1503	265	141	-1117	2113	20	528
Chandigarh	249	0	-42	0	199	0	-17	0	264	15	0
Total	**49500**	**1749**	**-265**	**961**	**49279**	**265**	**386**	**2984**	**51651**	**1**	**284**

* 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	1740	1723	1815	37.38	1557	36.85	0.53
	Rihand I STPS (2*500)	1000	923	971	960	20.67	861	21.03	-0.36
	Rihand II STPS (2*500)	1000	943	962	986	21.38	891	21.80	-0.42
	Rihand III STPS (2*500)	1000	930	977	893	20.34	847	20.67	-0.33
	Dadri I STPS (4*210)	840	576	343	347	7.83	326	7.73	0.10
	Dadri II STPS (2*490)	980	929	568	537	12.70	529	13.18	-0.49
	Unchahar I TPS (2*210)	420	383	362	291	6.61	275	7.00	-0.39
	Unchahar II TPS (2*210)	420	383	307	223	5.50	229	6.15	-0.65
	Unchahar III TPS (1*210)	210	192	135	116	2.65	110	2.84	-0.19
	Unchahar IV TPS(1*500)	500		517	450	11.32	472	0.00	11.32
	ISTPP (Jhajjhar) (3*500)	1500	948	958	645	16.20	675	16.73	-0.53
	Dadri GPS (4*130.19+2*154.51)	830	771	138	124	2.96	123	3.12	-0.17
	Anta GPS (3*88.71+1*153.2)	419	391	155	173	4.19	175	4.16	0.04
	Auraiya GPS (4*111.19+2*109.30)	663	613	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	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	792	678	629	14.71	613	14.50	0.21
	Sub Total (A)	**12612**	**10519**	**8794**	**8189**	**185**	**7691**	**176**	**8.69**
B. NPC	NAPS (2*220)	440	385	415	422	9.14	381	9.24	-0.10
	RAPS- B (2*220)	440	373	417	418	8.93	372	8.88	0.04
	RAPS- C (2*220)	440	430	450	451	9.68	404	10.32	-0.64
	Sub Total (B)	**1320**	**1188**	**1282**	**1291**	**27.75**	**1156**	**28.44**	**-0.70**
C. NHPC	Chamera I HPS (3*180)	540	534	531	238	7.19	300	7.00	0.19
	Chamera II HPS (3*100)	300	300	302	304	7.22	301	7.20	0.02
	Chamera III HPS (3*77)	231	223	232	231	5.39	225	5.36	0.03
	Bairasuil HPS(3*60)	180	74	106	60	1.79	75	1.76	0.03
	Salal-HPS (6*115)	690	660	681	681	16.39	683	15.83	0.56
	Tanakpur-HPS (3*31.4)	94	91	94	96	2.27	95	2.17	0.10
	Uri-I HPS (4*120)	480	215	360	177	5.38	224	5.17	0.22
	Uri-II HPS (4*60)	240	128	114	117	3.08	129	3.07	0.01
	Dhauliganga-HPS (4*70)	280	281	279	290	6.55	273	6.75	-0.20
	Dulhasti-HPS (3*130)	390	387	401	397	9.38	391	9.28	0.10
	Sewa-II HPS (3*40)	120	119	0	0	0.00	0	0.36	-0.36
	Parbati 3 (4*130)	520	514	517	0	3.50	146	3.46	0.04
	Sub Total (C)	**4065**	**3525**	**3618**	**2591**	**68**	**2839**	**67**	**0.74**
D.SJVNL	NJPC (6*250)	1500	1497	1585	1509	36.18	1507	35.94	0.24
	Rampur HEP (6*68.67)	412	412	435	393	10.18	424	9.90	0.28
	Sub Total (D)	**1912**	**1910**	**2020**	**1902**	**46.36**	**1932**	**45.84**	**0.53**
E. THDC	Tehri HPS (4*250)	1000	988	1032	0	6.77	282	6.62	0.15
	Koteshwar HPS (4*100)	400	95	100	100	2.30	96	2.27	0.03
	Sub Total (E)	**1400**	**1083**	**1132**	**100**	**9.07**	**378**	**8.89**	**0.18**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	873	1333	776	20.87	870	20.96	-0.09
	Dehar HPS (6*165)	990	585	825	560	14.19	591	14.04	0.16
	Pong HPS (6*66)	396	213	330	198	5.18	216	5.12	0.06
	Sub Total (F)	**2765**	**1671**	**2488**	**1534**	**40.24**	**1677**	**40.12**	**0.12**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	206	72	3.15	131	2.55	0.60
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1000	22.69	945	22.81	-0.12
	Malana Stg-II HPS (2*50)	100	0	113	76	2.04	85	1.88	0.15
	Shree Cement TPS (2*150)	300	0	146	128	3.19	133	3.29	-0.10
	Budhil HPS(IPP) (2*35)	70	0	75	70	1.71	71	1.66	0.05
	Sub Total (G)	**1662**	**0**	**1641**	**1345**	**32.78**	**1366**	**32.19**	**0.58**
H. Total Regional Entities (A-G)		**25737**	**19895**	**20975**	**16952**	**408.92**	**17038**	**398.78**	**10.14**

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	3.61	151
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.17	91
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	200	210	4.47	186
	Goindwal(GVK) (2*270)	540	180	340	6.90	287
	Rajpura (2*700)	1400	720	1320	22.27	928
	Talwandi Saboo (3*660)	1980	616	616	15.37	640

	Thermal (Total)	**6560**	**1976**	**2796**	54.79	**2283**
	Total Hydro	1000	799	902	20.89	870
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.15	6
	Solar	859	0	0	0.07	3
	Renewable(Total)	**1162**	**0**	**0**	**0.23**	**9**
	Total Punjab	**8722**	**2775**	**3698**	**75.91**	**3163**
Haryana	Panipat TPS (2*210+2*250)	920	404	391	9.54	398
	DCRTPP (Yamuna nagar) (2*300)	600	236	208	5.05	210
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	456	384	9.07	378
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1172	975	22.00	917
	Thermal (Total)	**4497**	**2268**	**1958**	**45.66**	**1902**
	Total Hydro	62	36	36	0.86	36
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.00	0
	Solar	50	0	0	0.00	0
	Renewable(Total)	**156**	**0**	**0**	**0.00**	**0**
	Total Haryana	**4715**	**2304**	**1994**	**46.52**	**1938**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	875	923	21.89	912
	suratgarh TPS (6*250)	1500	692	722	17.07	711
	Chabra TPS (4*250)	1000	404	387	9.32	388
	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	173	174	4.49	187
	RAPS A (NPC) (1*100+1*200)	300	167	168	4.22	176
	Barsingsar (NLC) (2*125)	250	194	219	4.77	199
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	378	824	12.21	509
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	816	887	20.30	846
	Kawai(Adani) (2*660)	1320	440	608	12.04	502
	Thermal (Total)	**9536**	**4139**	**4912**	**106.31**	**4430**
	Total Hydro	550	167	162	3.42	142
	Wind power	4292	1872	417	24.02	1001
	Biomass	102	29	29	0.68	29
	Solar	1995	0	0	2.08	87
	Renewable/Others (Total)	6389	1901	446	26.78	1116
	Total Rajasthan	**16475**	**6207**	**5520**	**136.51**	**5688**
UP	Anpara TPS (3*210+2*500)	1630	716	730	17.62	734
	Obra TPS (2*50+2*94+5*200)	1194	405	386	9.19	383
	Paricha TPS (2*110+2*220+2*250)	1160	763	587	16.28	678
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	399	319	7.75	323
	Tanda TPS (NTPC) (4*110)	440	386	390	8.47	353
	Roza TPS (IPP) (4*300)	1200	787	814	16.69	696
	Anpara-C (IPP) (2*600)	1200	820	881	19.91	829
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	439	461	10.65	444
	Lalitpur TPS(3*660)	1980	1861	1864	30.16	1257
	Bara(2*660)	1320	607	607	14.51	605
	Thermal (Total)	**12449**	**7183**	**7039**	**151.22**	**6301**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.44	435
	Alaknanada(4*82.5)	330	340	342	8.21	342
	Other Hydro	527	250	300	5.23	218
	Cogeneration	981	30	30	3.00	125
	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**	**8238**	**8146**	**178.10**	**7421**
Uttarakhand	Other Hydro	1250	890	896	21.15	881
	Total Gas	225	281	287	6.76	282
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.64	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.64	27
	Total Uttarakhand	**1882**	**1171**	**1183**	**28.55**	**1190**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	38	6.38	266
	Pragati Gas Turbine (2x104+ 1x122)	330	260	262	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	432	431	10.27	428
	Badarpur TPS (NTPC) (3*95+2*210)	705	326	320	7.01	292
	Thermal (Total)	**2917**	**1055**	**1051**	**30.04**	**1252**
	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**	**1055**	**1051**	**30.04**	**1252**
HP	Baspa HPS (IPP) (3*100)	300	311	301	7.60	317
	Malana HPS (IPP) (2*43)	86	99	81	1.97	82
	Other Hydro (>25MW)	372	352	323	8.54	356
	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	301	245	6.64	277
	Renewable(Total)	**486**	**301**	**245**	**6.64**	**277**
	Total HP	**1244**	**1063**	**951**	**24.75**	**1031**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
	Other Hydro/IPP(including 98 MW Small Hydro)	308	202	200	4.81	201
	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**	**1085**	**1083**	**26**	**1084**
Total State Control Area Generation		**52226**	**23898**	**23625**	**546.38**	**22766**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6253**	**9418**	**186.07**	**7753**
Total Regional Availability(Gross)		**77963**	**51125**	**49995**	**1141.37**	**47557**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11355**	**7903**	**208.11**	**8600**
State Control Area Hydro	**7243**	**5346**	**5394**	**114.31**	**5348**
Total Regional Hydro	**19477**	**16701**	**13297**	**322.42**	**13948**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.13**	**5**
State Control Area Renewable	**8844**	**2202**	**691**	**34.28**	**1428**
Total Regional Renewable	**8874**	**2202**	**691**	**34.41**	**1434**

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)	-500	-250	0	500	0.00	8.56	-8.56
765 KV Gwalior-Agra (D/C)	2490	2305	2728	0	51.39	0.00	51.39
400 KV Zerda-Kankroli	-159	40	76	213	0.00	1.01	-1.01
400 KV Zerda-Bhinmal	16	79	225	136	0.05	0.00	0.05
220 KV Auraiya-Malanpur	-16	-13	0	25	0.00	0.65	-0.65
220 KV Badod-Kota/Morak	-66	40	43	85	0.00	0.21	-0.21
Mundra-Mohindergarh(HVDC Bipole)	699	1162	1403	0	22.40	0.00	22.40
400 KV RAPPC-Sujalpur	11	256	256	188	1.85	0.00	1.85
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	883	1176	646	0	23.79	0.00	23.79
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	31.10	0	31.10
Sub Total WR	**4358**	**6295**			**130.56**	**10.43**	**120.14**
400 kV Sasaram - Varanasi	178	155	178	0	4.26	0.00	4.26
400 kV Sasaram - Allahabad	14	34	49	0	0.42	0.00	0.42
400 KV MZP- GKP (D/C)	442	699	709	0	14.53	0.00	14.53
400 KV Patna-Balia(D/C) X 2	610	873	873	0	17.99	0.00	17.99
400 KV B'Sharif-Balia (D/C)	211	301	301	0	6.22	0.00	6.22
765 KV Gaya-Balia	291	320	371	0	6.34	0.00	6.34
765 KV Gaya-Varanasi (D/C)	216	410	426	0	7.88	0.00	7.88
220 KV Pusauli-Sahupuri	112	108	139	0	2.79	0.00	2.79
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-26	-18	0	-30	0.00	-0.45	0.45
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-108	27	121	108	0.62	0.00	0.62
400 KV Barh -GKP (D/C)	-210	-200	0	212	0.00	4.10	-4.10
400 kV B'Sharif - Varanasi (D/C)	15	114	62	162	1.76	0.00	1.76
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1745**	**2823**			**63.77**	**3.64**	**60.12**
+/- 800 KV HVDC BiswanathCharialli-Agra	150	300	300	0.00	5.81	0.00	5.81
Sub Total NER	**150**	**300**			**5.81**	**0.00**	**5.81**
Total IR Exch	**6253**	**9418**			**200.14**	**14.07**	**186.07**

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
38.59	3.55	42.14	27.13	14.05	-10.35	-2.91	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
58.93	142.02	200.95	65.93	120.14	186.07	7.00	-21.89	-14.88

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	-10	-5	0	-26	0	0	0.47

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	1.97	31.00	71.16	22.95	4.88	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	13.00	49.82	18.20	50.02	0.031	0.052	50.13	49.89	28.84

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	406	13:00	400	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	7:17	392	22:05	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	7:21	396	20:52	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	7:22	402	0:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	7:34	401	0:08	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	418	7:01	400	0:05	0.0	0.0	0.0	0.0	0.0
Bawana	400	411	6:58	398	0:04	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	18:01	400	0:08	0.0	0.0	0.3	0.0	0.3
Hissar	400	412	7:01	397	0:09	0.0	0.0	0.0	0.0	0.0
Moga	400	413	8:01	402	0:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	16:09	400	0:16	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	415	7:09	407	0:09	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	3:13	404	11:06	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	3:02	387	19:22	0.0	13.8	0.0	0.0	0.0
Amritsar	400	415	8:00	405	0:20	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	414	6:01	406	0:06	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	7:22	400	20:54	0.0	0.0	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	782	7:08	750	0:08	0.0	0.0	0.0	0.0	0.0
Balia	765	788	7:21	752	22:17	0.0	0.0	0.0	0.0	0.0
Moga	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Agra	765	793	7:04	763	0:03	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	6:45	771	0:09	0.0	0.0	0.0	0.0	0.0

Unnao	765	773	7:18	739	22:30	0.0	4.2	0.0	0.0	0.0
Lucknow	765	793	7:25	752	22:08	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	7:22	772	0:08	0.0	0.0	5.8	0.0	5.8
Jhatikara	765	796	7:01	767	0:05	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	797	7:24	756	21:37	0.0	0.0	0.0	0.0	0.0
Anta	765	788	18:02	766	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	8:03	768	0:00	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	508.74	1485.27	500.48	1114.30	827.62	634.75
Pong	426.72	384.05	420.86	931.43	416.73	743.22	311.29	294.44
Tehri	829.79	740.04	816.05	923.25	817.35	947.25	467.16	152.00
Koteshwar	612.50	598.50	610.95	5.05	610.61	4.95	152.00	151.90
Chamera-I	760.00	748.75	754.59	0.00	0.00	0.00	257.97	195.52
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	520.21	9.35	521.01	5.57	213.75	400.17

*** 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	1773	0	0	1323	0	0	40.30	0.04	40.33
Delhi	669	-77	0	678	-406	0	17.29	-4.39	12.91
Haryana	1418	466	0	1339	28	0	26.02	6.59	32.61
HP	-1331	-228	0	-1356	-354	0	-29.64	-5.53	-35.17
J&K	-744	-374	0	-744	-66	0	-17.84	-2.76	-20.60
CHD	0	0	0	0	0	0	0.00	0.08	0.08
Rajasthan	-59	170	0	-59	-836	0	-0.41	-3.64	-4.06
UP	1145	320	0	1475	225	0	14.74	9.56	24.30
Uttarakhand	-212	50	0	-269	-18	0	-5.36	0.64	-4.72
Total	**2658**	**326**	**0**	**2387**	**-1426**	**0**	**45.09**	**0.58**	**45.67**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1773	1323	31	0	0	0
Delhi	1144	515	33	-566	0	0
Haryana	1456	884	471	26	0	0
HP	-1020	-1584	-100	-366	0	0
J&K	-744	-744	0	-470	0	0
CHD	0	0	44	-60	0	0
Rajasthan	41	-59	175	-1756	0	0
UP	1524	98	1700	-69	0	0
Uttarakhand	-180	-269	113	-79	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	2	14
Haryana	1	19
Rajasthan	3	32
Delhi	3	20
UP	0	11
Uttarakhand	3	22
HP	2	15
J & K	4	32
Chandigarh	4	28

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.08.2017 :

XVI. Synchronisation of new generating units :

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

i. 400/220 KV , 500 MVA ICT-3, first time charged on load at Mainpuri at 18.22 Hrs. at Mainpuri(PG).

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 : 29.08.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER