पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
उत्तर क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.11.2017
Date of Reporting : 02.11.2017

I. Regional Availability/Demand:

Evening Peak (19:00 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
40829	1379	42209	50.02	33098	283	33381	50.03	862.86	12.95

* 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	Gas/Naptha/ Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	47.85	10.13	0.00	0.05	0.00	0.16	58.18	45.13	46.03	0.90	104.20	0.00
Haryana	35.18	0.53	4.13	0.00	0.00	0.00	39.84	73.82	76.99	3.17	116.83	2.10
Rajasthan	99.74	3.87	4.16	2.67	4.38	4.93	119.75	73.95	77.49	3.54	197.24	0.00
Delhi	0.00	0.00	9.63	0.00	0.00	0.00	9.63	58.92	58.86	-0.06	68.49	0.14
UP	159.86	10.73	0.00	0.00	0.00	0.02	170.62	106.60	107.10	0.50	277.72	2.07
Uttarakhand	0.00	11.62	7.02	0.36	0.00	0.00	18.99	14.73	14.46	-0.27	33.45	0.00
HP	0.00	5.82	0.00	0.00	0.00	2.53	8.35	16.36	16.57	0.20	24.92	0.01
J & K	0.00	6.35	0.00	0.00	0.00	0.00	6.35	30.15	30.41	0.26	36.75	8.63
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.83	3.27	-0.57	3.27	0.00
Total	**342.63**	**49.04**	**24.93**	**3.07**	**4.38**	**7.64**	**431.70**	**423.49**	**431.16**	**7.67**	**862.86**	12.95

* 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 (19:00 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	5442	0	23	-917	3423	0	-45	-743	5442	19	0
Haryana	6164	196	152	-753	4529	0	105	-716	6164	19	196
Rajasthan	8727	0	142	-338	7876	0	204	52	9906	8	0
Delhi	3626	0	34	-500	2096	0	32	-864	3626	19	0
UP	12315	810	-535	64	11586	20	80	149	12645	18	1010
Uttarakhand	1652	0	-142	-4	1194	0	15	59	1672	7	0
HP	1231	0	10	-513	817	0	-6	241	1369	8	0
J&K	1493	373	-101	265	1492	263	-33	520	1916	7	479
Chandigarh	179	0	-11	-91	85	0	-41	0	179	19	0
Total	**40829**	**1379**	**-429**	**-2786**	**33098**	**283**	**311**	**-1302**	**40829**	**19**	**1379**

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

Diversity is 1.05

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	1548	1708	1743	37.85	1577	37.09	0.76
	Rihand I STPS (2*500)	1000	923	991	1003	22.06	919	22.03	0.02
	Rihand II STPS (2*500)	1000	943	964	1014	22.75	948	22.33	0.42
	Rihand III STPS (2*500)	1000	943	991	917	22.31	930	21.95	0.36
	Dadri I STPS (4*210)	840	769	472	339	8.85	369	10.24	-1.39
	Dadri II STPS (2*490)	980	929	602	527	16.22	676	18.13	-1.91
	Unchahar I TPS (2*210)	420	160	158	130	3.29	137	3.20	0.09
	Unchahar II TPS (2*210)	420	383	284	228	6.96	290	7.21	-0.25
	Unchahar III TPS (1*210)	210	192	162	120	3.54	147	3.73	-0.19
	Unchahar IV TPS(1*500)	500	245	0	309	4.67	194	4.86	-0.19
	ISTPP (Jhajjhar) (3*500)	1500	1131	1097	864	23.20	967	23.32	-0.12
	Dadri GPS (4*130.19+2*154.51)	830	796	169	133	3.94	164	4.12	-0.18
	Anta GPS (3*88.71+1*153.2)	419	397	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	620	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	0.05	-0.01
	Singrauli Solar(15)	15	2	0	0	0.07	3	0.05	0.01
	KHEP(4*200)	800	792	865	196	3.83	160	3.50	0.33
	Sub Total (A)	**12612**	**10774**	**8463**	**7523**	**180**	**7482**	**182**	**-2.26**
B. NPC	NAPS (2*220)	440	400	435	440	9.57	399	9.58	-0.02
	RAPS- B (2*220)	440	395	433	441	9.48	395	9.37	0.11
	RAPS- C (2*220)	440	425	450	450	9.89	412	10.20	-0.31
	Sub Total (B)	**1320**	**1220**	**1318**	**1331**	**28.93**	**1206**	**29.15**	**-0.22**
C. NHPC	Chamera I HPS (3*180)	540	534	543	0	2.14	89	2.00	0.14
	Chamera II HPS (3*100)	300	300	299	0	1.85	77	1.73	0.12
	Chamera III HPS (3*77)	231	231	227	0	1.15	48	1.05	0.10
	Bairasuil HPS(3*60)	180	174	119	11	0.65	27	0.54	0.11
	Salal-HPS (6*115)	690	150	433	125	4.35	181	3.61	0.75
	Tanakpur-HPS (3*31.4)	94	48	51	53	1.23	51	1.15	0.08
	Uri-I HPS (4*120)	480	64	210	40	1.69	70	1.53	0.16
	Uri-II HPS (4*60)	240	48	36	36	1.16	48	1.14	0.02
	Dhauliganga-HPS (4*70)	280	72	284	72	1.81	75	1.73	0.08
	Dulhasti-HPS (3*130)	390	387	399	0	4.83	201	4.50	0.33
	Sewa-II HPS (3*40)	120	119	122	0	0.33	14	0.36	-0.03
	Parbati 3 (4*130)	520	32	261	0	0.80	33	0.77	0.03
	Sub Total (C)	**4065**	**2157**	**2983**	**337**	**22**	**916**	**20**	**1.90**
D.SJVNL	NJPC (6*250)	1500	1482	1501	0	11.79	491	11.51	0.28
	Rampur HEP (6*68.67)	412	408	417	0	3.37	140	3.20	0.17
	Sub Total (D)	**1912**	**1890**	**1918**	**0**	**15.16**	**632**	**14.71**	**0.45**
E. THDC	Tehri HPS (4*250)	1000	988	951	0	6.76	282	6.65	0.11
	Koteshwar HPS (4*100)	400	100	199	90	2.45	102	2.40	0.05
	Sub Total (E)	**1400**	**1088**	**1150**	**90**	**9.20**	**384**	**9.05**	**0.15**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	496	1060	369	11.97	499	11.89	0.08
	Dehar HPS (6*165)	990	209	660	0	5.25	219	5.03	0.22
	Pong HPS (6*66)	396	270	330	198	6.46	269	6.48	-0.02
	Sub Total (F)	**2765**	**975**	**2050**	**567**	**23.68**	**987**	**23.40**	**0.28**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	77	0	0.77	32	0.74	0.03
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	5.99	250	6.05	-0.06
	Malana Stg-II HPS (2*50)	100	0	0	10	0.46	19	0.44	0.01
	Shree Cement TPS (2*150)	300	0	146	88	3.11	130	3.18	-0.06
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.32	14	0.35	-0.02
	Sainj HPS (IPP) (2*50)	100	0					0.67	
	Sub Total (G)	**1762**	**0**	**1048**	**98**	**10.66**	**444**	**10.76**	**-0.10**
H. Total Regional Entities (A-G)		**25837**	**18104**	**18930**	**9946**	**289.19**	**12050**	**289.00**	**0.20**

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	0	0	-0.12	-5
	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	0	0	-0.08	-3
	Goindwal(GVK) (2*270)	540	145	145	4.57	190
	Rajpura (2*700)	1400	660	530	15.10	629
	Talwandi Saboo (3*660)	1980	1350	924	28.40	1183
	Thermal (Total)	**6560**	**2155**	**1599**	47.85	**1994**
	Total Hydro	1000	431	431	10.13	422
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.16	7
	Solar	859	0	0	0.05	2
	Renewable(Total)	**1162**	**0**	**0**	**0.21**	**9**
	Total Punjab	**8722**	**2586**	**2030**	**58.18**	**2424**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	491	234	7.98	332
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	172	173	4.13	172
	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	1231	1004	27.21	1134
	Thermal (Total)	**4497**	**1894**	**1411**	**39.31**	**1638**
	Total Hydro	62	9	15	0.53	22
	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**	**1903**	**1426**	**39.84**	**1660**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1071	914	24.45	1019
	suratgarh TPS (6*250)	1500	418	362	9.52	397
	Chabra TPS (4*250)	1000	705	676	16.83	701
	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	167	178	4.16	173
	RAPS A (NPC) (1*100+1*200)	300	161	200	4.23	176
	Barsingsar (NLC) (2*125)	250	0	22	-0.11	-5
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	712	699	14.35	598
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	835	770	20.00	834
	Kawai(Adani) (2*660)	1320	614	615	14.69	612
	Thermal (Total)	**9536**	**4683**	**4436**	**108.13**	**4505**
	Total Hydro	550	138	190	3.87	161
	Wind power	4292	71	275	4.38	182
	Biomass	102	29	29	0.70	29
	Solar	1995	5	0	2.67	111
	Renewable/Others (Total)	6389	105	304	7.75	323
	Total Rajasthan	**16475**	**4926**	**4930**	**119.75**	**4990**
UP	Anpara TPS (3*210+2*500)	1630	1168	1181	29.46	1228
	Obra TPS (2*50+2*94+5*200)	1194	511	464	11.99	500
	Paricha TPS (2*110+2*220+2*250)	1160	804	584	17.84	743
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	449	315	10.16	423
	Tanda TPS (NTPC) (4*110)	440	379	270	8.66	361
	Roza TPS (IPP) (4*300)	1200	1108	1063	25.02	1042
	Anpara-C (IPP) (2*600)	1200	537	537	13.09	545
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	411	442	10.21	425
	Lalitpur TPS(3*660)	1980	1208	1235	29.37	1224
	Bara(2*660)	1320	0	544	4.07	170
	Thermal (Total)	**12449**	**6575**	**6635**	**159.86**	**6661**
	Vishnuparyag HPS (IPP)(4*110)	440	187	172	4.10	171
	Alaknanada(4*82.5)	330	81	164	2.81	117
	Other Hydro	527	213	30	3.83	160
	Cogeneration	981	100	300	0.02	1
	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**	**7156**	**7301**	**170.62**	**7109**
Uttarakhand	Other Hydro	1250	770	402	11.62	484
	Total Gas	450	289	296	7.02	293
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.36	15
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.36	15
	Total Uttarakhand	**2107**	**1059**	**698**	**18.99**	**791**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	37	1.71	71
	Pragati Gas Turbine (2x104+ 1x122)	330	153	157	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	222	123	4.24	177
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**412**	**318**	**9.63**	**401**
	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**	**412**	**318**	**9.63**	**401**
HP	Baspa HPS (IPP) (3*100)	300	61	30	1.85	77
	Malana HPS (IPP) (2*43)	86	84	0	0.42	18
	Other Hydro (>25MW)	372	162	144	3.55	148
	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	123	100	2.53	106
	Renewable(Total)	**486**	**123**	**100**	**2.53**	**106**
	Total HP	**1244**	**429**	**274**	**8.35**	**348**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	235	235	5.64	235
	Other Hydro/IPP(including 98 MW Small Hydro)	308	45	24	0.71	30
	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**	**280**	**259**	**6**	**265**
Total State Control Area Generation		**52451**	**18752**	**17235**	**431.70**	**17987**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5752**	**7691**	**162.07**	**6753**
Total Regional Availability(Gross)		**78288**	**43434**	**34873**	**882.96**	**36790**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9868**	**1201**	**81.41**	**3378**
State Control Area Hydro	**7468**	**2827**	**2233**	**49.04**	**2456**
Total Regional Hydro	**19702**	**12695**	**3434**	**130.45**	**5835**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**8844**	**228**	**404**	**10.84**	**452**
Total Regional Renewable	**8874**	**228**	**404**	**10.96**	**457**

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

Element	Peak(19:00 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	-500	0	500	0.00	12.24	-12.24
765 KV Gwalior-Agra (D/C)	1554	1809	2212	0	40.18	0.00	40.18
400 KV Zerda-Kankroli	20	25	50	127	0.00	0.81	-0.81
400 KV Zerda-Bhinmal	77	7	217	53	1.42	0.00	1.42
220 KV Auraiya-Malanpur	-85	-73	0	95	0.00	1.67	-1.67
220 KV Badod-Kota/Morak	-100	-106	0	144	0.00	1.51	-1.51
Mundra-Mohindergarh(HVDC Bipole)	1202	1502	1504	0	22.44	0.00	22.44
400 KV RAPPC-Sujalpur	160	104	291	14	3.85	0.00	3.85
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	640	1056	1123	0	23.19	0.00	23.19
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	3000	0	22.92	0	22.92
Sub Total WR	**3968**	**4824**			**113.99**	**16.24**	**97.76**
400 kV Sasaram - Varanasi	193	177	196	0	4.26	0.00	4.26
400 kV Sasaram - Allahabad	48	66	81	0	1.61	0.00	1.61
400 KV MZP- GKP (D/C)	183	335	532	0	8.96	0.00	8.96
400 KV Patna-Balia(D/C) X 2	370	840	947	0	17.05	0.00	17.05
400 KV B'Sharif-Balia (D/C)	6	38	176	0	2.11	0.00	2.11
765 KV Gaya-Balia	96	138	176	0	2.30	0.00	2.30
765 KV Gaya-Varanasi (D/C)	133	260	325	0	4.88	0.00	4.88
220 KV Pusauli-Sahupuri	122	89	147	0	2.69	0.00	2.69
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.48	0.00
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-180	-102	9	182	0.00	1.62	-1.62
400 KV Barh -GKP (D/C)	-262	-186	0	262	0.00	3.89	-3.89
400 kV B'Sharif - Varanasi (D/C)	75	12	115	90	0.30	0.00	0.30
+/- 800 KV HVDC Alipurduar-Agra	300	500	500	0	13.16	0.00	13.16
Sub Total ER	**1084**	**2167**			**57.79**	**6.60**	**51.19**
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	13.12	0.00	13.12
Sub Total NER	**700**	**700**			**13.12**	**0.00**	**13.12**
Total IR Exch	**5752**	**7691**			**184.91**	**22.84**	**162.07**

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
45.31	1.24	46.56	-2.55	-33.71	-2.78	-10.94	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
41.23	118.13	159.36	64.31	97.76	162.07	23.08	-20.38	2.70

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

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-20	0	0	20	0	0	-0.09

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	0.14	4.77	53.35	81.91	11.45	1.91	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)	
50.18	13.01	49.78	18.12	49.99	0.031	0.055	50.08	49.88	18.09

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	407	13:07	402	2:45	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	13:21	398	17:45	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	19:53	405	18:10	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	3:59	408	18:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	2:01	407	18:07	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	420	2:57	407	18:12	0.0	0.0	0.0	0.0	0.0
Bawana	400	423	3:01	407	18:12	0.0	0.0	10.2	0.0	10.2
Bassi	400	423	20:52	396	8:19	0.0	0.0	6.6	0.0	6.6
Hissar	400	419	3:00	403	18:11	0.0	0.0	0.0	0.0	0.0
Moga	400	423	13:00	407	18:11	0.0	0.0	11.8	0.0	11.8
Abdullapur	400	428	3:00	408	18:10	0.0	0.0	43.2	0.0	43.2
Nalagarh	400	432	21:40	410	18:09	0.0	0.0	57.1	2.4	57.1
Kishenpur	400	428	13:02	408	5:58	0.0	0.0	32.9	0.0	32.9
Wagoora	400	419	15:04	382	20:05	0.0	25.1	0.0	0.0	0.0
Amritsar	400	430	2:49	411	18:08	0.0	0.0	56.2	0.0	56.2
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	411	0:00	411	0:00	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	418	19:58	404	18:11	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	780	13:01	753	9:42	0.0	0.0	0.0	0.0	0.0
Balia	765	784	13:18	764	18:12	0.0	0.0	0.0	0.0	0.0
Moga	765	805	13:03	776	8:20	0.0	0.0	5.1	0.0	5.1
Agra	765	794	19:54	762	9:41	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	21:31	783	8:17	0.0	0.0	6.7	0.0	6.7
Unnao	765	772	19:52	757	18:08	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	13:17	770	18:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	13:01	784	18:10	0.0	0.0	22.3	0.0	22.3
Jhatikara	765	803	13:01	780	18:10	0.0	0.0	2.7	0.0	2.7
Bareilly 765 kV	765	793	19:54	774	18:08	0.0	0.0	0.0	0.0	0.0
Anta	765	790	19:35	768	8:18	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	13:02	769	8:20	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	506.97	1396.66	498.62	1041.47	217.95	339.18
Pong	426.72	384.05	416.83	755.83	414.53	656.23	71.33	391.25
Tehri	829.79	740.04	823.00	1065.64	822.80	1061.64	58.87	148.00
Koteshwar	612.50	598.50	611.55	5.35	610.83	5.00	148.00	161.59
Chamera-I	760.00	748.75	754.85	0.00	0.00	0.00	68.32	57.77
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	514.22	3.52	513.04	4.05	68.27	149.96

*** NA: Not Available**

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-743	0	0	-743	-173	0	-18.86	-0.40	-19.25
Delhi	-846	-18	0	-508	8	0	-16.46	-0.39	-16.86
Haryana	-738	22	0	-766	13	0	-23.64	0.15	-23.49
HP	242	-1	0	58	-571	0	6.37	-3.63	2.74
J&K	520	0	0	520	-255	0	12.48	-4.11	8.37
CHD	0	0	0	0	-91	0	0.00	-0.27	-0.27
Rajasthan	60	-8	0	60	-398	0	3.03	1.53	4.56
UP	175	-26	0	86	-22	0	-1.60	-0.50	-2.09
Uttarakhand	24	35	0	24	-27	0	0.86	1.23	2.09
Total	**-1307**	**5**	**0**	**-1270**	**-1516**	**0**	**-37.82**	**-6.39**	**-44.21**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-743	-845	0	-204	0	0
Delhi	-449	-846	47	-302	0	0
Haryana	-590	-1408	27	-311	0	0
HP	437	-4	48	-668	0	0
J&K	520	520	98	-458	0	0
CHD	0	0	19	-100	0	0
Rajasthan	220	60	1001	-745	0	0
UP	205	-396	0	-26	0	0
Uttarakhand	82	24	260	-270	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	0	10
Haryana	5	38
Rajasthan	0	12
Delhi	1	20
UP	0	10
Uttarakhand	3	25
HP	2	19
J & K	4	33
Chandigarh	5	38

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.11.2017 :

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 : 01.11.2017 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**