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

Power Supply Position in Northern Region for 26.11.2017
Date of Reporting : 27.11.2017

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
38866	801	39666	50.04	29964	294	30258	49.99	821.30	11.09

* 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	54.27	7.78	0.00	0.05	0.00	0.23	62.32	33.59	32.92	-0.67	95.25	0.00
Haryana	32.49	0.43	7.36	0.00	0.00	0.00	40.27	60.62	63.31	2.69	103.57	0.08
Rajasthan	113.31	4.25	7.48	2.69	2.19	5.04	134.95	64.34	66.44	2.11	201.39	0.00
Delhi	-0.01	0.00	13.22	0.00	0.00	0.00	13.22	44.57	43.62	-0.96	56.83	0.00
UP	154.80	6.25	0.00	0.00	0.00	19.20	180.25	82.65	82.05	-0.59	262.30	0.92
Uttarakhand	0.00	7.53	6.98	0.61	0.00	0.00	15.12	16.61	16.07	-0.54	31.19	0.00
HP	0.00	4.38	0.00	0.00	0.00	1.57	5.95	18.44	18.97	0.53	24.92	0.00
J & K	0.00	4.69	0.00	0.00	0.00	0.00	4.69	38.29	38.12	-0.17	42.81	10.09
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	3.04	-0.19	3.04	0.00
Total	**354.86**	**35.30**	**35.04**	**3.34**	**2.19**	**26.04**	**456.76**	**362.33**	**364.54**	**2.21**	**821.30**	11.09

* 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	4684	0	9	-748	3003	0	-60	-696	4684	19	0
Haryana	5519	81	88	-615	3847	0	61	-561	5519	19	81
Rajasthan	8746	0	110	-376	7840	0	171	108	10646	8	0
Delhi	2898	0	-124	-566	1465	0	172	-1158	3362	12	0
UP	11942	200	-82	-70	10070	0	-72	86	12265	7	0
Uttarakhand	1618	0	-36	215	1146	0	-36	280	1700	8	0
HP	1228	0	18	212	842	0	5	389	1372	9	0
J&K	2080	520	93	790	1668	294	57	732	2080	19	520
Chandigarh	149	0	-98	0	83	0	-10	0	219	1	0
Total	**38866**	**801**	**-20**	**-1158**	**29964**	**294**	**288**	**-821**	**39302**	**8**	**675**

* 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	900	983	906	21.82	909	20.98	0.84
	Rihand I STPS (2*500)	1000	923	881	904	19.80	825	19.87	-0.07
	Rihand II STPS (2*500)	1000	943	877	908	20.09	837	19.92	0.17
	Rihand III STPS (2*500)	1000	943	862	895	19.77	824	19.85	-0.08
	Dadri I STPS (4*210)	840	769	254	208	6.03	251	6.27	-0.24
	Dadri II STPS (2*490)	980	929	594	523	14.56	607	15.07	-0.50
	Unchahar I TPS (2*210)	420	160	134	126	2.98	124	2.81	0.17
	Unchahar II TPS (2*210)	420	373	277	252	6.01	251	5.65	0.37
	Unchahar III TPS (1*210)	210	192	115	116	2.93	122	2.94	-0.01
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	948	909	587	16.91	705	17.55	-0.64
	Dadri GPS (4*130.19+2*154.51)	830	817	136	144	3.36	140	3.50	-0.14
	Anta GPS (3*88.71+1*153.2)	419	409	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	638	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	-0.01
	Singrauli Solar(15)	15	3	0	0	0.06	3	0.07	0.00
	KHEP(4*200)	800	792	0	0	2.96	124	2.75	0.21
	Sub Total (A)	**12612**	**9738**	**6022**	**5569**	**137**	**5723**	**137**	**0.08**
B. NPC	NAPS (2*220)	440	410	449	454	9.90	412	9.81	0.09
	RAPS- B (2*220)	440	403	445	448	9.63	401	9.54	0.09
	RAPS- C (2*220)	440	428	453	451	10.04	418	10.27	-0.23
	Sub Total (B)	**1320**	**1241**	**1347**	**1353**	**29.57**	**1232**	**29.62**	**-0.05**
C. NHPC	Chamera I HPS (3*180)	540	534	535	0	1.74	73	1.60	0.14
	Chamera II HPS (3*100)	300	200	203	0	1.47	61	1.40	0.07
	Chamera III HPS (3*77)	231	34	227	0	0.93	39	0.81	0.12
	Bairasuil HPS(3*60)	180	53	72	0	0.41	17	0.37	0.04
	Salal-HPS (6*115)	690	109	345	35	2.85	119	2.62	0.24
	Tanakpur-HPS (3*31.4)	94	34	33	60	0.85	35	0.81	0.04
	Uri-I HPS (4*120)	480	77	248	50	2.09	87	1.85	0.24
	Uri-II HPS (4*60)	240	54	171	36	1.34	56	1.29	0.05
	Dhauliganga-HPS (4*70)	280	55	210	0	1.38	57	1.33	0.05
	Dulhasti-HPS (3*130)	390	387	392	0	3.35	139	3.10	0.25
	Sewa-II HPS (3*40)	120	79	80	0	0.21	9	0.24	-0.02
	Parbati 3 (4*130)	520	16	130	0	0.40	17	0.38	0.02
	Sub Total (C)	**4065**	**1631**	**2645**	**181**	**17**	**710**	**16**	**1.23**
D.SJVNL	NJPC (6*250)	1500	1497	1462	0	9.02	376	8.82	0.21
	Rampur HEP (6*68.67)	412	412	393	0	2.52	105	2.51	0.02
	Sub Total (D)	**1912**	**1910**	**1855**	**0**	**11.55**	**481**	**11.32**	**0.22**
E. THDC	Tehri HPS (4*250)	1000	988	979	0	6.57	274	6.38	0.19
	Koteshwar HPS (4*100)	400	91	91	91	2.20	92	2.19	0.01
	Sub Total (E)	**1400**	**1079**	**1070**	**91**	**8.77**	**366**	**8.57**	**0.20**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	517	1094	390	12.81	534	12.42	0.39
	Dehar HPS (6*165)	990	172	495	0	4.56	190	4.12	0.44
	Pong HPS (6*66)	396	152	264	66	3.66	153	3.66	0.01
	Sub Total (F)	**2765**	**841**	**1853**	**456**	**21.03**	**876**	**20.19**	**0.84**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	96	0	0.62	26	0.60	0.02
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	580	0	4.66	194	4.62	0.04
	Malana Stg-II HPS (2*50)	100	0	0	0	0.31	13	0.29	0.02
	Shree Cement TPS (2*150)	300	0	-1	0	0.01	0	0.63	-0.62
	Budhil HPS(IPP) (2*35)	70	0	69	0	0.22	9	0.21	0.01
	Sainj HPS (IPP) (2*50)	100	0					0.50	
	Sub Total (G)	**1762**	**0**	**744**	**0**	**5.82**	**242**	**6.35**	**-0.53**
H. Total Regional Entities (A-G)		**25837**	**16441**	**15536**	**7650**	**231.11**	**9630**	**229.12**	**1.99**

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	0.11	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	0.09	4
	Goindwal(GVK) (2*270)	540	145	145	3.63	151
	Rajpura (2*700)	1400	1120	660	24.87	1036
	Talwandi Saboo (3*660)	1980	924	924	25.56	1065
	Thermal (Total)	**6560**	**2189**	**1729**	54.27	**2261**
	Total Hydro	1000	323	317	7.78	324
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.23	9
	Solar	859	0	0	0.05	2
	Renewable(Total)	**1162**	**0**	**0**	**0.27**	**11**
	Total Punjab	**8722**	**2512**	**2046**	**62.32**	**2597**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	453	470	11.42	476
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	310	281	7.36	307
	RGTPP (khedar) (IPP) (2*600)	1200	378	389	8.72	363
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	603	367	12.35	514
	Thermal (Total)	**4497**	**1744**	**1507**	**39.84**	**1660**
	Total Hydro	62	6	13	0.43	18
	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**	**1750**	**1520**	**40.27**	**1678**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	708	711	17.98	749
	suratgarh TPS (6*250)	1500	178	539	8.14	339
	Chabra TPS (4*250)	1000	1420	1029	29.95	1248
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	128	128	3.28	137
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	182	156	4.20	175
	RAPS A (NPC) (1*100+1*200)	300	188	155	4.28	178
	Barsingsar (NLC) (2*125)	250	224	224	5.28	220
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	830	514	18.11	755
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	899	824	21.19	883
	Kawai(Adani) (2*660)	1320	538	554	12.66	527
	Thermal (Total)	**9536**	**5295**	**4834**	**125.06**	**5211**
	Total Hydro	550	171	191	4.25	177
	Wind power	4292	130	42	2.19	91
	Biomass	102	32	32	0.76	32
	Solar	1995	0	0	2.69	112
	Renewable/Others (Total)	6389	162	74	5.63	235
	Total Rajasthan	**16475**	**5628**	**5099**	**134.95**	**5623**
UP	Anpara TPS (3*210+2*500)	1630	1356	1326	33.42	1393
	Obra TPS (2*50+2*94+5*200)	1194	615	519	14.26	594
	Paricha TPS (2*110+2*220+2*250)	1160	437	299	9.06	377
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	317	311	8.48	353
	Tanda TPS (NTPC) (4*110)	440	269	274	5.68	237
	Roza TPS (IPP) (4*300)	1200	755	746	19.78	824
	Anpara-C (IPP) (2*600)	1200	1064	675	24.06	1002
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	461	449	10.77	449
	Lalitpur TPS(3*660)	1980	746	749	17.68	737
	Bara(2*660)	1320	380	383	11.61	484
	Thermal (Total)	**12449**	**6400**	**5731**	**154.80**	**6450**
	Vishnuparyag HPS (IPP)(4*110)	440	112	112	2.70	112
	Alaknanada(4*82.5)	330	79	80	1.93	80
	Other Hydro	527	103	29	1.62	68
	Cogeneration	981	800	800	19.20	800
	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**	**7494**	**6752**	**180.25**	**7510**
Uttarakhand	Other Hydro	1250	541	215	7.53	314
	Total Gas	450	288	293	6.98	291
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.61	25
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.61	25
	Total Uttarakhand	**2107**	**829**	**508**	**15.12**	**630**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	79	80	1.89	79
	Pragati Gas Turbine (2x104+ 1x122)	330	275	265	5.17	215
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.17	257
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**604**	**595**	**13.22**	**551**
	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**	**604**	**595**	**13.22**	**551**
HP	Baspa HPS (IPP) (3*100)	300	54	36	1.41	59
	Malana HPS (IPP) (2*43)	86	51	0	0.28	12
	Other Hydro (>25MW)	372	111	115	2.69	112
	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	97	42	1.57	65
	Renewable(Total)	**486**	**97**	**42**	**1.57**	**65**
	Total HP	**1244**	**313**	**193**	**5.95**	**248**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	147	147	3.53	147
	Other Hydro/IPP(including 98 MW Small Hydro)	308	64	27	1.16	48
	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**	**211**	**174**	**5**	**195**
Total State Control Area Generation		**52451**	**19341**	**16887**	**456.76**	**19032**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5167**	**6569**	**155.14**	**6464**
Total Regional Availability(Gross)		**78288**	**40045**	**31106**	**843.01**	**35125**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8099**	**728**	**67.15**	**2789**
State Control Area Hydro	**7468**	**2147**	**1617**	**35.30**	**1852**
Total Regional Hydro	**19702**	**10247**	**2346**	**102.46**	**4641**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**8844**	**259**	**116**	**8.08**	**337**
Total Regional Renewable	**8874**	**259**	**116**	**8.20**	**342**

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)	-150	-200	0	500	0.00	5.80	-5.80
765 KV Gwalior-Agra (D/C)	1263	1702	2257	0	39.08	0.00	39.08
400 KV Zerda-Kankroli	-98	-71	0	168	0.00	2.22	-2.22
400 KV Zerda-Bhinmal	-5	26	174	74	0.62	0.00	0.62
220 KV Auraiya-Malanpur	-103	-49	0	113	0.00	1.82	-1.82
220 KV Badod-Kota/Morak	-141	-92	0	196	0.00	2.68	-2.68
Mundra-Mohindergarh(HVDC Bipole)	801	1201	1205	0	24.54	0.00	24.54
400 KV RAPPC-Sujalpur	146	168	307	0	4.05	0.00	4.05
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	480	1071	1313	0	21.99	0.00	21.99
+/- 800 kV HVDC Champa-Kurushetra	500	500	500	0	15.04	0	15.04
Sub Total WR	**2693**	**4256**			**105.32**	**12.52**	**92.80**
400 kV Sasaram - Varanasi	185	174	185	0	3.94	0.00	3.94
400 kV Sasaram - Allahabad	56	67	116	0	1.92	0.00	1.92
400 KV MZP- GKP (D/C)	192	192	548	0	7.22	0.00	7.22
400 KV Patna-Balia(D/C) X 2	784	696	1128	0	20.27	0.00	20.27
400 KV B'Sharif-Balia (D/C)	192	135	220	0	3.16	0.00	3.16
765 KV Gaya-Balia	246	211	272	0	4.65	0.00	4.65
765 KV Gaya-Varanasi (D/C)	191	210	21	358	4.85	0.00	4.85
220 KV Pusauli-Sahupuri	91	67	100	0	1.94	0.00	1.94
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-148	-80	136	148	0.00	0.61	-0.61
400 KV Motihari -GKP (D/C)	-244	-96	0	244	0.00	3.19	-3.19
400 kV B'Sharif - Varanasi (D/C)	79	37	113	116	0.29	0.00	0.29
+/- 800 KV HVDC Alipurduar-Agra	150	300	300	0	5.36	0.00	5.36
Sub Total ER	**1774**	**1913**			**54.56**	**4.32**	**50.24**
+/- 800 KV HVDC BiswanathCharialli-Agra	700	400	700	0.00	12.10	0.00	12.10
Sub Total NER	**700**	**400**			**12.10**	**0.00**	**12.10**
Total IR Exch	**5167**	**6569**			**171.98**	**16.84**	**155.14**

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
43.94	0.67	44.60	6.00	-38.06	2.28	-3.04	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
52.89	108.62	161.51	62.34	92.80	155.14	9.45	-15.82	-6.37

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	-27	0	0	-29	0	0	0.15

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	4.33	44.92	72.78	16.97	6.47	0.03	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	22.00	49.81	6.44	50.01	0.039	0.062	50.13	49.88	27.22

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	413	22:03	407	17:55	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	0:38	399	17:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	4:01	406	8:18	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	1:59	406	8:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	4:01	412	9:27	0.0	0.0	40.1	0.0	40.1
Ballabhgarh	400	425	4:02	409	8:23	0.0	0.0	36.6	0.0	36.6
Bawana	400	426	4:01	410	9:36	0.0	0.0	36.3	0.0	36.3
Bassi	400	425	4:02	402	8:18	0.0	0.0	20.5	0.0	20.5
Hissar	400	424	4:01	407	6:42	0.0	0.0	17.9	0.0	17.9
Moga	400	423	4:00	405	10:19	0.0	0.0	12.9	0.0	12.9
Abdullapur	400	428	4:01	412	18:07	0.0	0.0	49.7	0.0	49.7
Nalagarh	400	432	20:14	416	6:39	0.0	0.0	74.1	2.4	74.1
Kishenpur	400	424	4:01	403	9:34	0.0	0.0	15.7	0.0	15.7
Wagoora	400	406	12:46	378	9:20	0.7	50.0	0.0	0.0	0.7
Amritsar	400	432	4:01	414	7:49	0.0	0.0	64.8	0.6	64.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	426	0:00	407	7:20	0.0	0.0	22.5	0.0	22.5

Rishikesh	400	422	20:15	403	9:36	0.0	0.0	1.3	0.0	1.3

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	4:00	754	8:21	0.0	0.0	0.0	0.0	0.0
Balia	765	791	4:01	761	17:55	0.0	0.0	0.0	0.0	0.0
Moga	765	807	20:14	763	9:43	0.0	0.0	4.3	0.0	4.3
Agra	765	799	16:04	771	8:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	16:02	781	8:18	0.0	0.0	46.4	0.0	46.4
Unnao	765	778	4:00	753	8:21	0.0	0.0	0.0	0.0	0.0
Lucknow	765	796	3:36	771	8:19	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	20:14	774	10:20	0.0	0.0	33.2	0.0	33.2
Jhatikara	765	809	4:01	779	9:35	0.0	0.0	41.5	0.0	41.5
Bareilly 765 kV	765	800	4:01	773	8:22	0.0	0.0	0.0	0.0	0.0
Anta	765	794	4:02	769	8:22	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	4:01	764	21:14	0.0	0.0	2.3	0.0	2.3

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)	nflow (m^3/s)	Usage (m^3/s)
Bhakra	513.59	445.62	504.84	1298.95	495.68	926.03	182.53	354.58
Pong	426.72	384.05	414.79	668.52	412.05	566.84	38.65	224.67
Tehri	829.79	740.04	819.20	986.26	818.30	968.25	41.47	146.00
Koteshwar	612.50	598.50	610.83	4.95	610.54	4.69	146.00	145.05
Chamera-I	760.00	748.75	756.82	0.00	0.00	0.00	44.23	46.87
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	509.69	2.99	510.02	2.91	50.10	151.67

*** 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)	ilateral (MU	IEX / PXIL (MU)	Total (MU)
Punjab	-696	0	0	-696	-52	0	-17.74	-1.17	-18.90
Delhi	-959	-200	0	-559	-7	0	-17.78	-2.75	-20.53
Haryana	-701	140	0	-701	86	0	-23.09	0.81	-22.28
HP	288	100	0	211	0	0	7.81	-1.16	6.65
J&K	497	234	0	497	293	0	11.94	4.94	16.88
CHD	0	0	0	0	0	0	0.00	-0.09	-0.09
Rajasthan	-8	116	0	262	-638	0	7.46	-1.36	6.10
UP	86	0	0	-2	-68	0	-3.94	-1.59	-5.53
Uttarakhand	72	208	0	72	144	0	1.90	3.98	5.88
Total	**-1420**	**600**	**0**	**-916**	**-242**	**0**	**-33.44**	**1.61**	**-31.84**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-696	-799	0	-351	0	0
Delhi	-559	-959	213	-744	0	0
Haryana	-701	-1377	144	-720	0	0
HP	414	211	174	-811	0	0
J&K	497	497	479	-338	0	0
CHD	0	0	0	-72	0	0
Rajasthan	420	-8	1187	-1038	0	0
UP	86	-488	0	-72	0	0
Uttarakhand	130	72	392	-253	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	3	15
Haryana	3	22
Rajasthan	1	17
Delhi	5	49
UP	0	11
Uttarakhand	2	26
HP	3	30
J & K	2	21
Chandigarh	6	32

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.11.2017 :

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 : 26.11.2017 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**