

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.11.2017

Date of Reporting : 28.11.2017



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
39820	1347	41167	50.01	28441	288	28729	50.01	828.29	12.28

* 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:

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	57.84	8.23	0.00	0.06	0.00	0.20	66.32	29.62	29.25	-0.38	95.57	0.00
Haryana	33.19	0.41	4.35	0.00	0.00	0.00	37.94	61.07	62.96	1.89	100.90	0.39
Rajasthan	108.43	5.27	7.61	2.74	1.86	4.89	130.79	68.81	71.23	2.42	202.02	0.00
Delhi	-0.01	0.00	14.62	0.00	0.00	0.00	14.61	46.18	45.72	-0.46	60.34	0.04
UP	150.21	6.86	0.00	0.00	0.00	19.20	176.27	88.61	87.83	-0.78	264.10	1.51
Uttarakhand	0.00	9.43	7.16	0.49	0.00	0.00	17.07	16.59	16.68	0.10	33.76	0.00
HP	0.00	4.36	0.00	0.00	0.00	1.99	6.35	18.78	19.33	0.55	25.68	0.25
J & K	0.00	4.70	0.00	0.00	0.00	0.00	4.70	38.34	38.06	-0.28	42.75	10.09
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.39	3.18	-0.22	3.18	0.00
Total	349.66	39.25	33.73	3.28	1.86	26.27	454.05	371.39	374.24	2.85	828.29	12.28

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesal

II. B. State's Demand Met in MWs:

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	5209	0	-89	-1305	2818	0	47	-693	5209	19	0
Haryana	5432	434	121	-597	3237	0	66	-580	5497	20	200
Rajasthan	9071	0	175	-87	7585	0	-41	120	10875	8	0
Delhi	3062	5	-102	-563	1431	0	22	-1124	3412	11	0
UP	11717	370	-216	-121	9869	0	20	87	12058	8	270
Uttarakhand	1765	0	-11	353	1042	0	28	178	1804	18	0
HP	1325	20	43	208	751	0	-14	326	1415	8	0
J&K	2073	518	123	794	1630	288	73	735	2073	19	518
Chandigarh	166	0	-29	0	78	0	-18	0	183	8	0
Total	39820	1347	15	-1318	28441	288	183	-952	40480	8	753

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

Diversity is 1.05

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

III. Regional Entities :

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	1005	839	21.83	909	20.61	1.22
Rihand I STPS (2*500)	1000	923	915	884	20.46	852	20.13	0.32
Rihand II STPS (2*500)	1000	943	903	902	20.47	853	20.17	0.30
Rihand III STPS (2*500)	1000	943	887	797	20.02	834	19.76	0.25
Dadri I STPS (4*210)	840	769	359	207	6.81	284	6.83	-0.02
Dadri II STPS (2*490)	980	929	808	511	17.04	710	17.37	-0.34
Unchahar I TPS (2*210)	420	160	186	126	3.33	139	3.19	0.14
Unchahar II TPS (2*210)	420	192	192	145	3.83	159	3.65	0.18
Unchahar III TPS (1*210)	210	192	197	118	3.49	145	3.54	-0.05
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
ISTPP (Jhajjar) (3*500)	1500	948	942	579	18.94	789	19.37	-0.43
Dadri GPS (4*130.19+2*154.51)	830	806	180	108	3.53	147	3.67	-0.15
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	0.00
Singrauli Solar(15)	15	2	0	0	0.07	3	0.06	0.01
KHEP(4*200)	800	792	0	0	2.78	116	2.50	0.28
Sub Total (A)	12612	9546	6574	5216	143	5943	141	1.71
B. NPC								
NAPS (2*220)	440	411	440	450	9.81	409	9.83	-0.02
RAPS- B (2*220)	440	403	442	445	9.62	401	9.54	0.08
RAPS- C (2*220)	440	428	453	449	10.02	418	10.27	-0.25
Sub Total (B)	1320	1242	1335	1344	29.46	1227	29.64	-0.19
C. NHPC								
Chamera I HPS (3*180)	540	534	541	0	1.78	74	1.60	0.18
Chamera II HPS (3*100)	300	200	204	0	1.70	71	1.53	0.17
Chamera III HPS (3*77)	231	231	229	0	1.07	45	0.92	0.15
Bairasul HPS(3*60)	180	53	39	0	0.45	19	0.37	0.08
Salat-HPS (6*115)	690	107	345	35	3.01	125	2.57	0.44
Tanakpur-HPS (3*31.4)	94	34	32	62	0.85	35	0.81	0.04
Uri-I HPS (4*120)	480	79	247	42	2.17	90	1.90	0.27
Uri-II HPS (4*60)	240	51	38	39	1.37	57	1.23	0.14
Dhauliganga-HPS (4*70)	280	53	210	0	1.34	56	1.26	0.08
Dulhasti-HPS (3*130)	390	387	394	0	3.75	156	3.50	0.25
Sewa-II HPS (3*40)	120	79	83	0	0.22	9	0.24	-0.01
Parbati 3 (4*130)	520	24	262	0	0.62	26	0.58	0.04
Sub Total (C)	4065	1831	2624	178	18	763	17	1.82
D. SJVNL								
NJPC (6*250)	1500	1497	1282	0	9.24	385	9.08	0.16
Rampur HEP (6*68.67)	412	412	413	0	2.60	108	2.53	0.07
Sub Total (D)	1912	1910	1695	0	11.85	494	11.62	0.23
E. THDC								
Tehri HPS (4*250)	1000	988	992	0	6.77	282	6.54	0.23
Koteshwar HPS (4*100)	400	91	102	90	2.24	93	2.19	0.05
Sub Total (E)	1400	1079	1094	90	9.00	375	8.73	0.28
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	538	1095	389	13.20	550	12.91	0.28
Dehar HPS (6*165)	990	165	495	0	4.13	172	3.95	0.18
Pong HPS (6*66)	396	179	264	66	4.32	180	4.29	0.03
Sub Total (F)	2765	881	1854	455	21.65	902	21.15	0.50
G. IPP(s)/JV(s)								
Allain DuhanganHPS(IPP) (2*96)	192	0	71	0	0.63	26	0.60	0.03
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	580	0	5.18	216	4.98	0.20
Malana Stg-II HPS (2*50)	100	0	0	0	0.28	12	0.28	-0.01
Shree Cement TPS (2*150)	300	0	0	0	-0.05	-2	0.00	-0.05
Budhil HPS(IPP) (2*35)	70	0	72	0	0.22	9	0.21	0.01
Sainj HPS (IPP) (2*50)	100	0	0	0	0.25	0	0.47	0.00
Sub Total (G)	1762	0	723	0	6.25	261	6.07	0.18
H. Total Regional Entities (A-G)	25837	16490	15899	7283	239.15	9965	234.63	4.53
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	-4	
	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	340	145	6.91	288	
	Rajpura (2*700)	1400	1320	660	25.75	1073	
	Talwandi Saboo (3*660)	1980	1200	924	25.38	1057	
	Thermal (Total)	6560	2860	1729	57.84	2410	
	Total Hydro	1000	363	311	8.23	343	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.20	8	
	Solar	859	0	0	0.06	2	
	Renewable(Total)	1162	0	0	0.25	11	
	Total Punjab	8722	3223	2040	66.32	2764	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.57	24
DCRTPP (Yamuna nagar) (2*300)		600	559	470	9.42	393	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	329	286	4.35	181	
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	1152	385	23.20	966	
Thermal (Total)		4497	2040	1141	37.54	1564	
Total Hydro		62	6	18	0.41	17	
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	2046	1159	37.94	1581	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	970	709	20.10	837
	suratgarh TPS (6*250)	1500	230	177	5.54	231	
	Chabra TPS (4*250)	1000	900	1061	22.45	935	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	Dholpur GPS (3*110)	330	141	129	3.33	139	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	159	184	4.27	178	
	RAPS A (NPC) (1*100+1*200)	300	175	215	4.26	178	
	Barsingsar (NLC) (2*125)	250	224	224	5.36	223	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	846	442	18.47	769	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1068	829	23.24	968	
	Kawai(Adani) (2*660)	1320	616	432	13.29	554	
	Thermal (Total)	9536	5329	4402	120.30	5012	
Total Hydro	550	264	199	5.27	220		
Wind power	4292	38	204	1.86	78		
Biomass	102	26	26	0.62	26		
Solar	1995	3	0	2.74	114		
Renewable/Others (Total)	6389	67	230	5.22	218		
Total Rajasthan	16475	5660	4831	130.79	5449		
UP	Anpara TPS (3*210+2*500)	1630	1312	1252	33.67	1403	
	Obra TPS (2*50+2*94+5*200)	1194	498	87	6.77	282	
	Paricha TPS (2*110+2*220+2*250)	1160	440	430	11.76	490	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	319	314	8.77	365	
	Tanda TPS (NTPC) (4*110)	440	273	274	7.67	319	
	Roza TPS (IPP) (4*300)	1200	737	755	20.62	859	
	Anpara-C (IPP) (2*600)	1200	1110	694	24.37	1015	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	441	444	10.84	452	
	Lalitpur TPS(3*660)	1980	375	746	13.72	572	
	Bara(2*660)	1320	556	381	12.04	502	
	Thermal (Total)	12449	6061	5377	150.21	6259	
	Vishnuparyag HPS (IPP)(4*110)	440	112	107	2.63	110	
Alakanada(4*82.5)	330	86	78	1.85	77		
Other Hydro	527	118	77	2.38	99		
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	7177	6439	176.27	7345		
Uttarakhand	Other Hydro	1250	607	280	9.43	393	
	Total Gas	450	299	295	7.16	298	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.49	20	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.49	20	
	Total Uttarakhand	2107	906	575	17.07	711	
	Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
		Delhi Gas Turbine (6x30 + 3x34)	282	76	77	1.88	78
		Pragati Gas Turbine (2x104+ 1x122)	330	272	273	6.62	276
		Rithala GPS (3*36)	95	0	0	0.00	0
		Bawana GPS (4*216+2*253)	1370	253	251	6.12	255
		Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
Thermal (Total)		2917	601	601	14.61	609	
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	601	601	14.61	609	
HP		Baspa HPS (IPP) (3*100)	300	60	30	1.51	63
		Malana HPS (IPP) (2*43)	86	51	0	0.32	13
	Other Hydro (>25MW)	372	110	55	2.52	105	
	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	101	45	1.99	83	
	Renewable(Total)	486	101	45	1.99	83	
	Total HP	1244	321	130	6.35	264	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	147	147	3.53	147
		Other Hydro/IPP(including 98 MW Small Hydro)	308	87	34	1.17	49
		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	234	181	5	196
Total State Control Area Generation	52451	20168	15956	454.05	18919
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		4948	6174	152.69	6362
Total Regional Availability(Gross)	78288	41015	29413	845.89	35246

IV. Total Hydro Generation:

Regional Entities Hydro	12234	7918	723	69.90	2903
State Control Area Hydro	7468	2410	1676	39.25	2037
Total Regional Hydro	19702	10328	2399	109.15	4940

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	168	275	7.95	331
Total Regional Renewable	8874	168	275	8.07	336

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	50	-250	150	250	0.28	4.46	-4.18
765 KV Gwalior-Agra (D/C)	816	1803	2139	0	38.32	0.00	38.32
400 KV Zerda-Kankroli	-142	-58	49	232	0.00	2.27	-2.27
400 KV Zerda-Bhinmal	-83	77	243	119	0.62	0.00	0.62
220 KV Auraiya-Malanpur	-113	-46	0	118	0.00	1.65	-1.65
220 KV Badod-Kota/Morak	-164	-124	0	-202	0.00	-3.06	3.06
Mundra-Mohindergarh(HVDC Bipole)	699	698	1004	0	17.90	0.00	17.90
400 KV RAPP- Sujalpur	118	180	393	30	4.24	2.78	1.47
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	594	1083	1254	0	24.60	0.00	24.60
+/- 800 kV HVDC Champa-Kurushetra	1000	500	1000	0	12.17	0	12.17
Sub Total WR	2775	3863			98.13	8.09	90.04
400 kV Sasaram - Varanasi	191	160	191	0	2.87	0.00	2.87
400 kV Sasaram - Allahabad	45	83	133	0	2.05	0.00	2.05
400 KV MZP- GKP (D/C)	143	360	595	0	5.99	0.00	5.99
400 KV Patna-Balia(D/C) X 2	741	676	1210	0	21.77	0.00	21.77
400 KV B'Sharif-Balia (D/C)	59	150	312	0	4.84	0.00	4.84
765 KV Gaya-Balia	136	219	266	0	5.05	0.00	5.05
765 KV Gaya-Varanasi (D/C)	102	291	335	0	5.43	0.00	5.43
220 KV Pusauli-Sahupuri	100	60	100	0	1.96	0.00	1.96
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	0.49	-0.49
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-118	-52	147	124	0.19	0.00	0.19
400 KV Motihari -GKP (D/C)	-266	-106	0	266	0.00	3.77	-3.77
400 kV B'Sharif - Varanasi (D/C)	190	-30	190	153	0.00	0.28	-0.28
+/- 800 KV HVDC Alipurduar-Agra	150	0	150	0	4.02	0.00	4.02
Sub Total ER	1473	1811			55.12	4.55	50.57
+/- 800 KV HVDC BiswanathCharialli-Agra	700	500	700	0.00	12.08	0.00	12.08
Sub Total NER	700	500			12.08	0.00	12.08
Total IR Exch	4948	6174			165.32	12.64	152.69

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
48.20	0.68	48.88	-0.34	-31.39	3.05	-3.05	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
51.60	112.41	164.00	62.65	90.04	152.69	11.05	-22.37	-11.32

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-27	0	0	-27	0	0	0.24

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	0.28	18.11	64.99	72.08	8.50	1.69	0.00	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.17	0.00	49.78	6.19	49.97	0.058	0.068	50.10	49.80	27.92

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	411	0:27	406	7:03	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	1:24	398	17:56	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	3:03	405	7:37	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	3:01	406	6:56	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	1:08	409	7:42	0.0	0.0	21.9	0.0	21.9
Ballabhgarh	400	424	2:00	405	6:29	0.0	0.0	17.9	0.0	17.9
Bawana	400	424	2:00	406	18:09	0.0	0.0	20.2	0.0	20.2
Bassi	400	425	20:00	396	7:40	0.0	0.0	6.4	0.0	6.4
Hissar	400	421	1:27	401	6:27	0.0	0.0	2.1	0.0	2.1
Moga	400	421	1:27	404	6:19	0.0	0.0	2.2	0.0	2.2
Abdullapur	400	427	13:03	407	18:08	0.0	0.0	29.0	0.0	29.0
Nalagarh	400	431	2:01	411	18:05	0.0	0.0	52.5	0.4	52.5
Kishenpur	400	422	2:29	400	17:53	0.0	0.0	5.5	0.0	5.5
Wagoora	400	400	13:02	375	18:00	4.2	64.2	0.0	0.0	4.2
Amritsar	400	429	2:00	410	18:06	0.0	0.0	40.9	0.0	40.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	2:00	408	6:56	0.0	0.0	12.6	0.0	12.6

Rishikesh	400	419	2:00	401	7:49	0.0	0.0	0.0	0.0	0.0
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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	786	19:58	752	6:27	0.0	0.0	0.0	0.0	0.0
Balia	765	791	2:00	762	18:05	0.0	0.0	0.0	0.0	0.0
Moga	765	804	13:03	759	6:25	0.0	0.0	0.9	0.0	0.9
Agra	765	803	20:00	764	6:24	0.0	0.0	0.7	0.0	0.7
Bhiwani	765	808	13:02	772	6:19	0.0	0.0	25.7	0.0	25.7
Unnao	765	778	1:24	753	18:06	0.0	0.0	0.0	0.0	0.0
Lucknow	765	796	1:25	770	18:05	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	19:58	766	7:35	0.0	0.0	5.0	0.0	5.0
Jhatikara	765	807	13:03	762	6:27	0.0	0.0	17.1	0.0	17.1
Bareilly 765 kV	765	798	1:59	772	8:41	0.0	0.0	0.0	0.0	0.0
Anta	765	791	3:04	765	6:23	0.0	0.0	0.0	0.0	0.0
Phagi	765	801	19:57	765	6:19	0.0	0.0	0.9	0.0	0.9

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

IX. Reservoir Parameters:

Name of Reservoir	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	504.75	1298.95	495.52	926.03	202.32	359.20
Pong	426.72	384.05	414.70	668.52	411.97	566.84	41.29	264.48
Tehri	829.79	740.04	819.00	982.26	817.80	958.25	48.95	151.00
Koteshwar	612.50	598.50	611.04	5.00	610.01	4.57	151.00	147.73
Chamera-I	760.00	748.75	756.86	0.00	0.00	0.00	51.55	48.03
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	509.50	2.96	509.88	2.81	39.82	123.89

* 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	-693	0	0	-693	-612	0	-17.66	-4.38	-22.04
Delhi	-954	-170	0	-557	-7	0	-17.70	-1.69	-19.39
Haryana	-698	118	0	-698	101	0	-22.98	1.17	-21.81
HP	232	94	0	212	-4	0	7.51	-0.96	6.55
J&K	500	235	0	500	294	0	12.00	4.94	16.94
CHD	0	0	0	0	0	0	0.00	-0.10	-0.10
Rajasthan	0	120	0	240	-327	0	8.16	0.43	8.59
UP	87	0	0	-53	-68	0	-4.52	-1.48	-6.01
Uttarakhand	72	106	0	72	281	0	1.90	4.72	6.63
Total	-1454	503	0	-976	-342	0	-33.29	2.65	-30.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-693	-795	0	-815	0	0
Delhi	-556	-954	225	-373	0	0
Haryana	-698	-1370	150	-401	0	0
HP	417	212	207	-742	0	0
J&K	500	500	481	-336	0	0
CHD	0	0	29	-82	0	0
Rajasthan	425	0	1534	-650	0	0
UP	87	-537	0	-72	0	0
Uttarakhand	130	72	391	-52	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%
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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	15
Rajasthan	4	22
Delhi	1	16
UP	1	18
Uttarakhand	1	13
HP	3	18
J & K	3	23
Chandigarh	4	37

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.11.2017 :

XVI. Synchronisation of new generating units :

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

1) 400kV Hapur - Dasna I & II first time charged at 15.02 hrs and 17.25 hrs respectively
Dasna first time charged at 15.06 hrs and 17.27 hrs respectively

2) 400kV Bus I & II at 400kV

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 : 27.11.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER