



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
40767	1051	41818	50.02	33974	260	34234	49.91	865.07	13.24

* 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/Naphtha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	48.05	10.37	0.00	0.07	0.00	0.12	58.61	46.33	45.58	-0.75	104.19	0.00
Haryana	24.36	0.60	3.75	0.00	0.00	0.00	28.71	85.58	86.10	0.52	114.81	0.00
Rajasthan	111.05	3.54	6.19	2.51	2.04	4.89	130.22	62.02	64.98	2.97	195.21	2.10
Delhi	0.00	0.00	14.21	0.00	0.00	0.00	14.21	52.57	51.36	-1.21	65.57	0.00
UP	159.15	8.50	0.00	0.00	0.00	2.40	170.05	114.73	116.15	1.42	286.21	1.71
Uttarakhand	0.00	12.05	7.01	0.51	0.00	0.00	19.56	12.73	12.67	-0.06	32.23	0.00
HP	0.00	5.87	0.00	0.00	0.00	2.89	8.76	14.77	15.26	0.49	24.02	0.00
J & K	0.00	6.01	0.00	0.00	0.00	0.00	6.01	32.90	33.95	1.05	39.96	9.43
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.79	2.87	-0.92	2.87	0.00
Total	342.61	46.93	31.16	3.09	2.04	10.30	436.13	425.43	428.93	3.51	865.07	13.24

* 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	4961	0	-201	-638	3686	0	33	-1065	4961	19	0
Haryana	5835	0	-395	30	4824	0	90	33	5835	19	0
Rajasthan	8732	0	30	-981	7793	0	-91	-715	9398	7	213
Delhi	3228	0	-127	-179	2233	0	17	-769	3279	20	0
UP	13232	580	-220	124	11879	0	-33	103	13652	18	50
Uttarakhand	1568	0	-91	-82	1171	0	20	7	1582	8	0
HP	1172	0	31	-632	825	0	21	179	1316	9	0
J&K	1884	471	33	223	1475	260	43	455	1911	20	478
Chandigarh	155	0	-51	-71	88	0	-43	0	155	19	0
Total	40767	1051	-991	-2206	33974	260	57	-1773	40767	19	1051

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

Diversity is 1.03
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 Scentout(MW)	Schedule Net MU	UI	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1698	1850	1908	41.63	1735	40.42		1.21
Rihand I STPS (2*500)	1000	923	971	1004	22.09	921	22.03		0.06
Rihand II STPS (2*500)	1000	943	943	1040	22.97	957	22.51		0.46
Rihand III STPS (2*500)	1000	943	899	1027	22.65	944	22.01		0.64
Dadri I STPS (4*210)	840	769	448	357	8.02	334	8.02		0.00
Dadri II STPS (2*490)	980	929	642	551	14.64	610	15.17		-0.53
Unchahar I TPS (2*210)	420	160	183	133	3.44	143	3.13		0.31
Unchahar II TPS (2*210)	420	343	367	232	6.56	273	6.62		-0.06
Unchahar III TPS (1*210)	210	192	183	118	3.37	140	3.39		-0.02
Unchahar IV TPS(1*500)	500	276	125	392	5.06	211	5.44		-0.38
ISTPP (Jhajjar) (3*500)	1500	948	916	566	14.26	594	14.38		-0.12
Dadri GPS (4*130.19+2*154.51)	830	796	161	181	3.78	157	3.92		-0.14
Anta GPS (3*88.71+1*153.2)	419	390	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	3	0	0	0.05	2	0.06		-0.01
KHEP(4*200)	800	792	675	0	4.28	179	4.00		0.28
Sub Total (A)	12612	10725	8363	7509	173	7202	171		1.71
B. NPC									
NAPS (2*220)	440	400	435	437	9.61	401	9.58		0.03
RAPS- B (2*220)	440	396	436	440	9.50	396	9.39		0.11
RAPS- C (2*220)	440	430	450	452	9.89	412	10.32		-0.43
Sub Total (B)	1320	1226	1321	1329	29.00	1208	29.29		-0.29
C. NHPC									
Chamera I HPS (3*180)	540	534	548	0	2.48	103	2.30		0.18
Chamera II HPS (3*100)	300	291	301	0	2.04	85	1.98		0.06
Chamera III HPS (3*77)	231	55	230	0	1.36	57	1.33		0.03
Bairasul HPS(3*60)	180	121	121	0	0.63	26	0.53		0.10
Salal-HPS (6*115)	690	138	437	104	3.96	165	3.31		0.65
Tanakupur-HPS (3*31.4)	94	51	53	56	1.32	55	1.22		0.11
Uri-I HPS (4*120)	480	68	43	40	1.88	79	1.63		0.26
Uri-II HPS (4*60)	240	49	37	37	1.17	49	1.17		0.01
Dhauliganga-HPS (4*70)	280	78	280	72	1.87	78	1.87		0.00
Dulhasi-HPS (3*130)	390	387	404	0	5.70	237	5.30		0.40
Sewa-II HPS (3*40)	120	119	120	0	0.32	13	0.36		-0.04
Parbati 3 (4*130)	520	37	257	0	0.79	33	0.77		0.02
Sub Total (C)	4065	1926	2832	309	24	981	22		1.78
D. SJVNL									
NJPC (6*250)	1500	1482	1347	0	12.01	500	12.00		0.01
Rampur HEP (6*68.67)	412	408	389	0	3.38	141	3.34		0.04
Sub Total (D)	1912	1890	1736	0	15.38	641	15.33		0.05
E. THDC									
Tehri HPS (4*250)	1000	988	904	0	6.37	265	6.34		0.03
Koteshwar HPS (4*100)	400	91	100	90	2.27	94	2.19		0.08
Sub Total (E)	1400	1079	1004	90	8.64	360	8.53		0.10
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	483	1068	369	11.75	489	11.59		0.16
Dehar HPS (6*165)	990	219	495	165	5.46	228	5.27		0.20
Pong HPS (6*66)	396	293	330	264	7.04	293	7.02		0.02
Sub Total (F)	2765	995	1893	798	24.25	1010	23.87		0.38
G. IPP(s)/JV(s)									
Allain DuhanganHPS(IPP) (2*96)	192	0	107	0	0.83	35	0.78		0.05
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	6.32	263	6.28		0.04
Malana Stg-II HPS (2*50)	100	0	15	15	0.50	21	0.50		-0.01
Shree Cement TPS (2*150)	300	0	147	149	3.53	147	3.54		-0.01
Budhil HPS(IPP) (2*35)	70	0	0	0	0.34	14	0.42		-0.07
Sainj HPS (IPP) (2*50)	100	0					0.75		
Sub Total (G)	1762	0	1094	164	11.52	480	11.52		0.00
H. Total Regional Entities (A-G)	25837	17841	18243	10199	285.18	11883	281.46		3.72
I. State Entities									
Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(S centout 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	4.10	171
	Rajpura (2*700)	1400	660	660	14.73	614
	Talwandi Saboo (3*660)	1980	924	1250	29.01	1209
	Thermal (Total)	6560	1729	2055	48.05	2002
	Total Hydro	1000	433	433	10.37	432
	Wind Power	0	0	0	0.00	0
	Biomass	303	5	5	0.12	5
	Solar	859	0	0	0.07	3
	Renewable(Total)	1162	5	5	0.19	8
	Total Punjab	8722	2167	2493	58.61	2442
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	226	455	6.81	284
Faridabad GPS (NTPC)(2*137.75+1*156)		432	153	155	3.75	156
RGTPP (kheadar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1096	417	17.55	731
Thermal (Total)		4497	1475	1027	28.11	1171
Total Hydro		62	10	15	0.60	25
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	1485	1042	28.71	1196
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1150	1088	26.74
	suratgarh TPS (6*250)	1500	447	426	10.33	431
	Chabra TPS (4*250)	1000	904	117	20.90	871
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	112	106	2.75	114
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	142	149	3.44	143
	RAPS A (NPC) (1*100+1*200)	300	168	183	4.21	175
	Barsingsar (NLC) (2*125)	250	0	205	0.82	34
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	722	838	18.91	788
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	894	877	18.71	780
	Kawai(Adani) (2*660)	1320	613	614	14.65	610
	Thermal (Total)	9536	5152	4603	121.45	5060
	Total Hydro	550	108	92	3.54	147
	Wind power	4292	68	146	2.04	85
	Biomass	102	29	29	0.68	29
	Solar	1995	0	0	2.51	105
	Renewable/Others (Total)	6389	97	175	5.24	218
Total Rajasthan	16475	5357	4870	130.22	5426	
UP	Anpara TPS (3*210+2*500)	1630	1191	1174	29.70	1238
	Obra TPS (2*50+2*94+5*200)	1194	473	463	11.20	467
	Paricha TPS (2*110+2*220+2*250)	1160	598	585	14.20	592
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	320	318	7.70	321
	Tanda TPS (NTPC) (4*110)	440	274	280	6.95	290
	Roza TPS (IPP) (4*300)	1200	740	764	18.90	788
	Anpara-C (IPP) (2*600)	1200	838	1110	24.70	1029
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	439	445	10.50	438
	Lalitpur TPS(3*660)	1980	759	1235	23.20	967
	Bara(2*660)	1320	402	574	12.10	504
	Thermal (Total)	12449	6034	6948	159.15	6631
	Vishnuparyag HPS (IPP)(4*110)	440	187	187	4.50	188
	Alakanada(4*82.5)	330	82	82	2.70	113
	Other Hydro	527	84	32	1.30	54
	Cogeneration	981	100	100	2.40	100
	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	6487	7349	170.05	7086	
Uttarakhand	Other Hydro	1250	709	374	12.05	502
	Total Gas	450	290	298	7.01	292
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.51	21
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.51	21
	Total Uttarakhand	2107	999	672	19.56	815
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	1.92	80
	Pragati Gas Turbine (2x104+ 1x122)	330	262	262	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	252	5.92	247
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	549	550	14.21	592
	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	549	550	14.21	592	
HP	Baspa HPS (IPP) (3*100)	300	65	65	1.86	77
	Malana HPS (IPP) (2*43)	86	83	0	0.49	21
	Other Hydro (>25MW)	372	194	141	3.52	147
	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	135	111	2.89	120
Renewable(Total)	486	135	111	2.89	120	
Total HP	1244	477	317	8.76	365	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	216	217	5.18	216
	Other Hydro/IPP(including 98 MW Small Hydro)	308	55	23	0.83	35
	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	271	240	6	251
Total State Control Area Generation	52451	17791	17533	436.13	18172
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6211	7408	170.69	7112
Total Regional Availability(Gross)	78288	42245	35140	892.00	37167

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9087	1212	84.08	3489
State Control Area Hydro	7468	2651	2070	46.93	2389
Total Regional Hydro	19702	11738	3281	131.01	5878

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	5
State Control Area Renewable	8844	237	291	8.82	368
Total Regional Renewable	8874	237	291	8.93	372

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)	-500	-300	0	-500	0.00	8.40	-8.40
765 KV Gwalior-Agra (D/C)	1170	2184	2336	0	43.24	0.00	43.24
400 KV Zerda-Kankroli	-174	-75	36	228	0.00	2.28	-2.28
400 KV Zerda-Bhinmal	-59	-14	186	159	0.00	0.11	-0.11
220 KV Auraiya-Malanpur	-88	-60	0	88	0.00	1.41	-1.41
220 KV Badod-Kota/Morak	-105	-123	15	147	0.00	3.06	-3.06
Mundra-Mohindergarh(HVDC Bipole)	2003	2065	2071	0	38.61	0.00	38.61
400 KV RAPP- Sujalpur	144	136	252	0	3.11	0.00	3.11
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	317	451	465	0	11.18	0.00	11.18
+/- 800 kV HVDC Champa-Kurushetra	1400	1000	2500	0	32.78	0	32.78
Sub Total WR	4108	5264			128.92	15.26	113.66
400 kV Sasaram - Varanasi	205	188	205	0	4.57	0.00	4.57
400 kV Sasaram - Allahabad	35	49	73	0	1.34	0.00	1.34
400 KV MZP- GKP (D/C)	64	270	458	0	6.95	0.00	6.95
400 KV Patna-Balia(D/C) X 2	540	587	852	0	15.76	0.00	15.76
400 KV B'Sharif-Balia (D/C)	110	1	116	0	0.12	0.00	0.12
765 KV Gaya-Balia	38	128	152	0	2.21	0.00	2.21
765 KV Gaya-Varanasi (D/C)	139	-103	164	243	2.16	0.00	2.16
220 KV Pusauli-Sahupuri	116	104	116	0	2.56	0.00	2.56
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-27	0	32	0.00	0.64	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-295	-182	0	304	0.00	3.30	-3.30
400 KV Barh -GKP (D/C)	-246	-192	0	276	0.00	4.26	-4.26
400 kV B'Sharif - Varanasi (D/C)	223	121	235	14	2.09	0.00	2.09
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	13.75	0.00	13.75
Sub Total ER	1403	1444			51.51	8.20	43.30
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	13.72	0.00	13.72
Sub Total NER	700	700			13.72	0.00	13.72
Total IR Exch	6211	7408			194.15	23.46	170.69

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
40.42	1.30	41.71	-7.96	-6.58	-8.41	-20.94	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
25.35	137.68	163.03	57.02	113.66	170.69	31.68	-24.02	7.66

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	-5	0	0	20	0	0	-0.17

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	0.73	22.03	70.79	69.68	8.10	0.28	0.00	0.00

Frequency (Hz)				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
Freq	Time	Freq	Time	Hz	Index				
50.15	6.01	49.71	4.13	49.96	0.064	0.068	50.07	49.84	30.32

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	20:02	402	5:08	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	13:02	394	17:53	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	20:28	402	18:09	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	20:24	407	11:38	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	20:24	407	10:14	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	422	20:21	406	11:38	0.0	0.0	3.9	0.0	3.9
Bawana	400	423	20:59	408	9:49	0.0	0.0	5.6	0.0	5.6
Bassi	400	424	10:01	112	13:05	0.1	0.1	6.1	0.0	6.2
Hissar	400	420	20:23	403	9:51	0.0	0.0	0.0	0.0	0.0
Moga	400	421	4:00	408	9:50	0.0	0.0	1.1	0.0	1.1
Abdullapur	400	425	21:37	406	9:51	0.0	0.0	19.0	0.0	19.0
Nalagarh	400	429	4:00	414	18:09	0.0	0.0	62.0	0.0	62.0
Kishenpur	400	423	3:58	404	18:10	0.0	0.0	6.6	0.0	6.6
Wagoora	400	404	3:59	378	18:12	1.3	41.8	0.0	0.0	1.3
Amritsar	400	427	3:59	412	9:29	0.0	0.0	52.1	0.0	52.1
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	424	20:33	403	18:09	0.0	0.0	8.8	0.0	8.8
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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	777	20:29	748	11:38	0.0	0.0	0.0	0.0	0.0
Balia	765	784	21:43	761	17:53	0.0	0.0	0.0	0.0	0.0
Moga	765	803	16:06	772	11:38	0.0	0.0	1.2	0.0	1.2
Agra	765	795	20:32	758	11:38	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	20:25	774	11:38	0.0	0.0	9.3	0.0	9.3
Unnao	765	775	20:33	751	17:55	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	20:28	765	17:54	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	20:59	771	10:13	0.0	0.0	13.4	0.0	13.4
Jhatikara	765	806	20:56	771	11:38	0.0	0.0	7.7	0.0	7.7
Bareilly 765 kV	765	798	20:29	768	18:09	0.0	0.0	0.0	0.0	0.0
Anta	765	793	20:46	771	18:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	801	20:53	752	18:10	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	507.13	1411.35	498.92	1053.16	284.58	328.67
Pong	426.72	384.05	417.22	768.49	414.92	668.52	86.68	421.47
Tehri	829.79	740.04	823.40	1074.10	823.15	1065.64	62.14	139.00
Koteshwar	612.50	598.50	611.63	5.44	609.06	4.18	139.00	149.40
Chamera-I	760.00	748.75	754.69	0.00	0.00	0.00	69.71	67.07
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	514.45	3.61	513.65	4.61	80.65	145.37

* 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 (MU)	PXIL (MU)	Total (MU)
Punjab	-436	-629	0	-537	-101	0	-11.07	-5.50	-16.57	
Delhi	-483	-286	0	-165	-14	0	-8.19	-3.71	-11.90	
Haryana	24	9	0	24	6	0	-1.06	-1.48	-2.55	
HP	179	0	0	-17	-615	0	2.37	-3.97	-1.60	
J&K	164	291	0	164	59	0	3.93	5.75	9.68	
CHD	0	0	0	0	-71	0	0.00	-0.31	-0.31	
Rajasthan	-101	-614	0	-101	-879	0	-2.43	-12.33	-14.77	
UP	171	-68	0	192	-68	0	3.84	-1.63	2.20	
Uttarakhand	5	2	0	5	-87	0	0.47	-0.93	-0.46	
Total	-477	-1296	0	-437	-1769	0	-12.15	-24.13	-36.28	

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-436	-537	-101	-760	0	0
Delhi	-106	-488	36	-751	0	0
Haryana	24	-260	13	-653	0	0
HP	209	-68	138	-813	0	0
J&K	164	164	439	-127	0	0
CHD	0	0	0	-86	0	0
Rajasthan	-101	-101	309	-1384	0	0
UP	192	129	-68	-68	0	0
Uttarakhand	64	5	152	-330	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	3	18
Haryana	1	18
Rajasthan	5	57
Delhi	6	29
UP	0	9
Uttarakhand	1	23
HP	6	54
J & K	2	22
Chandigarh	4	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.10.2017 :

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 : 29.10.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER