

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.04.2017
Date of Reporting : 25.04.2017



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
46134	473	46606	50.01	35559	212	35770	50.05	921.07	10.24

*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:

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	28.85	10.24	0.31	39.39	66.37	66.05	-0.32	105.44	0.00
Haryana	30.92	0.43	0.00	31.35	97.58	97.58	0.00	128.93	0.00
Rajasthan	86.04	0.26	15.47	101.78	74.64	77.61	2.97	179.39	1.22
Delhi	20.19		0.00	20.19	82.96	81.25	-1.71	101.44	0.06
UP	172.25	10.76	0.00	183.01	117.36	118.14	0.79	301.15	0.00
Uttarakhand		14.22	0.00	16.11	21.07	21.57	0.51	37.68	0.00
HP		16.38	5.72	16.38	2.81	7.94	5.12	24.32	0.00
J & K		20.07	0.00	20.07	18.10	17.75	-0.35	37.81	8.96
Chandigarh				0.00	5.44	4.90	-0.54	4.90	0.00
Total	338.26	72.35	21.49	428.28	486.32	492.79	6.47	921.07	10.24

* Shortage furnished by the respective constituent's 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	5688	0	-21	74	3242	0	-185	503	5971	22	0
Haryana	7022	0	0	371	5293	0	0	372	7189	21	0
Rajasthan	7896	0	-98	525	7072	0	355	377	8692	24	0
Delhi	4370	0	-168	-228	4430	0	119	-208	5031	17	0
UP	16090	0	-328	2242	11901	0	372	1665	16471	23	0
Uttarakhand	1801	0	14	197	1485	0	88	62	1801	20	0
HP	1148	0	221	-1375	786	0	565	-1159	1206	9	0
J&K	1890	473	159	-452	1199	212	-51	-658	1944	21	486
Chandigarh	229	0	-20	0	150	0	-29	0	249	15	0
Total	46134	473	-242	1353	35559	212	1234	954	47312	23	614

* STOA figures are at seller's 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 :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1625	1326	1775	35.16	1465	34.93	0.23
	Rihand I STPS (2*500)	1000	938	1026	657	19.26	802	18.79	0.47
	Rihand II STPS (2*500)	1000	481	519	350	10.02	418	9.78	0.25
	Rihand III STPS (2*500)	1000	963	979	707	19.38	807	19.17	0.21
	Dadri I STPS (4*210)	840	815	809	519	13.90	579	14.12	-0.22
	Dadri II STPS (2*490)	980	980	960	633	17.24	718	17.61	-0.37
	Unchahar I TPS (2*210)	420	360	369	263	6.32	263	6.47	-0.15
	Unchahar II TPS (2*210)	420	404	389	259	6.76	282	7.39	-0.63
	Unchahar III TPS (1*210)	210	0	0	0	0.00	0	0.00	0.00
	Unchahar IV TPS (1*660)	660	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1440	937	619	17.18	716	17.50	-0.32
	Dadri GPS (4*130.19+2*154.51)	830	749	129	130	3.07	128	3.18	-0.10
	Anta GPS (3*88.71+1*153.2)	419	382	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	429	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	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.06	3	0.05	0.01
KHEP(4*200)	800	705	434	0	9.92	413	9.50	0.42	
Sub Total (A)	12772	10275	7877	5912	158	6597	159	-0.22	
B. NPC	NAPS (2*220)	440	380	422	429	9.23	385	9.12	0.11
	RAPS- B (2*220)	440	362	403	408	8.70	362	8.69	0.01
	RAPS- C (2*220)	440	210	233	236	4.54	189	5.04	-0.50
	Sub Total (B)	1320	952	1058	1073	22.47	936	22.85	-0.38
C. NHPC	Chamera I HPS (3*180)	540	535	548	541	13.16	548	12.75	0.41
	Chamera II HPS (3*100)	300	301	310	304	7.34	306	7.22	0.12
	Chamera III HPS (3*77)	231	231	230	229	4.99	208	4.96	0.03
	Bairasuli HPS(3*60)	180	179	187	183	4.34	181	4.29	0.05
	Satal-HPS (6*115)	690	615	674	674	16.17	674	14.75	1.42
	Tanakpur-HPS (3*31.4)	94	48	55	55	1.31	55	1.16	0.15
	Uri-I HPS (4*120)	480	464	477	480	11.34	473	11.14	0.20
	Uri-II HPS (4*60)	240	237	0	0	5.69	237	5.69	0.00
	Dhauliganga-HPS (4*70)	280	280	279	140	3.56	148	3.48	0.08
	Dulhasti-HPS (3*130)	390	387	405	388	9.42	392	9.30	0.12
	Sewa-II HPS (3*40)	120	126	132	131	3.13	130	3.02	0.11
	Parbati 3 (4*130)	520	390	130	261	1.92	80	1.92	0.00
	Sub Total (C)	4065	3793	3427	3387	82	3432	80	2.69
D. SJVNL	NJPC (6*250)	1500	1578	1618	825	29.52	1230	30.09	-0.57
	Rampur HEP (6*68.67)	412	442	443	244	8.41	351	8.36	0.05
	Sub Total (D)	1912	2020	2061	1069	37.93	1580	38.45	-0.52
E. THDC	Tehri HPS (4*250)	1000	468	456	0	5.97	249	5.90	0.07
	Koteshwar HPS (4*100)	400	120	301	90	2.90	121	2.88	0.02
	Sub Total (E)	1400	588	757	90	8.87	370	8.78	0.09
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	453	932	354	11.51	480	10.88	0.63
	Dehar HPS (6*165)	990	610	660	600	14.67	611	14.64	0.03
	Pong HPS (6*66)	396	98	275	0	2.38	99	2.35	0.03
	Sub Total (F)	2765	1161	1867	954	28.57	1190	27.87	0.70
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	120	76	1.83	76		

	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	470	0	3.74	156
	Talwandi Saboo (3*660)	1980	0	0	-0.05	-2
	Thermal (Total)	6560	1723	1153	28.85	1202
	Total Hydro	1000	477	411	10.24	427
	Wind Power	0	0	0	0.00	0
	Biomass	288	10	10	0.24	10
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	10	10	0.31	13
	Total Punjab	8408	2210	1574	39.39	1641
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	536	444	11.06	461
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	531	366	9.67	403
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	572	375	10.20	425
	Thermal (Total)	4497	1639	1185	30.92	1289
	Total Hydro	62	6	31	0.43	18
	Wind Power	0	0	0	0.00	0
	Biomass	40	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Renewable(Total)	40	0	0	0.00	0
	Total Haryana	4599	1645	1216	31.35	1306
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	539	456	12.01	500
	suratgarh TPS (6*250)	1500	193	182	4.93	206
	Chabra TPS (4*250)	1000	830	798	19.00	792
	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	200	193	4.60	192
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	225	207	5.10	212
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	519	437	15.10	629
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	454	400	11.63	485
	Kawai(Adani) (2*660)	1320	518	456	13.67	570
	Thermal (Total)	9536	3478	3129	86.04	3585
	Total Hydro	550	16	22	0.26	11
	Wind power	4017	771	913	17.86	744
	Biomass	99	29	29	0.71	29
	Solar	1295	0	0	-3.10	-129
	Renewable/Others (Total)	5411	800	942	15.47	645
	Total Rajasthan	15497	4294	4093	101.78	4241
UP	Anpara TPS (3*210+2*500)	1630	1368	1065	28.11	1171
	Obra TPS (2*50+2*94+5*200)	1194	497	392	9.97	415
	Paricha TPS (2*110+2*220+2*250)	1160	888	644	16.47	686
	Panki TPS (2*105)	210	135	131	3.22	134
	Harduaganj TPS (1*60+1*105+2*250)	665	392	394	9.82	409
	Tanda TPS (NTPC) (4*110)	440	290	207	5.54	231
	Roza TPS (IPP) (4*300)	1200	1036	756	19.31	804
	Anpara-C (IPP) (2*600)	1200	765	635	16.59	691
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	282	6.34	264
	Anpara-D(2*500)	1000	824	600	16.00	667
	Lalitpur TPS(3*660)	1980	1174	725	20.30	846
	Bara(2*660)	1320	578	381	11.00	458
	Thermal (Total)	12449	8230	6212	162.65	6777
	Vishnuparyag HPS (IPP)(4*110)	440	256	305	6.95	290
	Alakanada(4*82.5)	330	84	84	2.78	116
	Other Hydro	527	74	40	1.03	43
	Cogeneration	981	400	400	9.60	400
	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	9044	7041	183.01	7625
Uttarakhand	Other Hydro	1250	598	584	14.22	592
	Total Gas	225	91	0	1.32	55
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.57	24
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.57	24
	Total Uttarakhand	1802	689	584	16.11	671
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	70	70	1.79	74
	Pragati Gas Turbine (2x104+ 1x122)	330	261	257	5.39	225
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	250	250	7.00	292
	Thermal (Total)	2917	832	827	20.19	841
	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	832	827	20.19	841
HP	Baspa HPS (IPP) (3*100)	300	142	171	3.61	150
	Malana HPS (IPP) (2*43)	86	64	64	0.94	39
	Other Hydro (>25MW)	372	245	270	6.11	255
	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	242	247	5.72	238
	Renewable(Total)	486	242	247	5.72	238
	Total HP	1244	693	752	16.38	683
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	744	744	18.23	760
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	66	1.84	77
	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	838	810	20	836
Total State Control Area Generation	50738	20245	16897	428.28	17845
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6664	5112	134.55	5606
Total Regional Availability(Gross)	76635	45460	35430	924.15	38506

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9872	6313	186.89	7787
State Control Area Hydro	7163	3133	3039	72.35	3094
Total Regional Hydro	19397	13006	9353	259.24	10881

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	7356	1052	1199	22.06	919
Total Regional Renewable	7386	1052	1199	22.19	925

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-300	-350	0	500	0.00	8.31	-8.31
765 KV Gwalior-Agra (D/C)	2221	1346	2503	0	34.33	0.00	34.33
400 KV Zerda-Kankrol	35	-209	35	300	0.00	4.02	-4.02
400 KV Zerda-Bhinmal	45	-159	97	280	0.00	2.59	-2.59
220 KV Auraiya-Malanpur	-23	-96	0	119	0.00	1.30	-1.30
220 KV Badod-Kota/Morak	75	13	129	27	0.62	0.00	0.62
Mundra-Mohindergarh(HVDC Bipole)	1499	1499	2305	0	38.69	0.00	38.69
400 KV RAPP-C-Sujalpur	0	223	250	0	1.47	1.47	0.00
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1212	925	1345	0	21.99	0.00	21.99
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	32.86	0	32.86
Sub Total WR	6264	4692			129.97	17.68	112.29
400 kV Sasaram - Varanasi	-125	-81	146	0	2.82	0.00	2.82
400 kV Sasaram - Allahabad	-13	-63	63	7	0.67	0.00	0.67
400 KV MZP- GKP (D/C)	198	408	527	0	8.13	0.00	8.13
400 KV Patna-Balia(D/C) X 2	698	694	761	0	14.47	0.00	14.47
400 KV B'Sharif-Balia (D/C)	90	140	187	0	2.17	0.00	2.17
765 KV Gaya-Balia	259	77	323	0	2.41	0.00	2.41
765 KV Gaya-Varanasi (D/C)	-378	-373	0	551	0.00	6.88	-6.88
220 KV Pusaui-Sahupuri	-212	-106	213	0	3.51	0.00	3.51
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-33	-34	0	38	0.00	0.73	-0.73
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-127	113	113	209	0.00	0.46	-0.46
400 KV Barh -GKP (D/C)	544	290	562	0	8.62	0.00	8.62
400 kV B'Sharif - Varanasi (D/C)	4	-144	119	144	0.00	1.04	-1.04
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	905	921			43.29	9.10	34.19
+/- 800 KV HVDC BiswanathChariali-Agra	-505	-501	0	505.00	0.00	11.92	-11.92
Sub Total NER	-505	-501			0.00	11.92	-11.92
Total IR Exch	6664	5112			173.26	38.70	134.55

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
39.04	0.92	39.96	-0.51	2.12	-20.50	0.14	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
18.95	123.61	142.56	22.27	112.29	134.55	3.31	-11.32	-8.01

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

Element	Peak(20:00 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	-23	0	31	0	1	-0.65

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	0.23	8.45	51.05	73.96	15.07	2.60	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				MIN		
Freq	Time	Freq	Time	Hz	Index	(Hz)	(Hz)			
50.18	6.01	49.77	19.18	49.99	0.040	50.09	49.86		26.04	

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	413	7:00	403	19:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	429	5:02	392	20:28	0.0	0.0	37.2	0.0	37.2
Bareilly(PG)400kV	400	418	6:03	387	19:33	0.0	3.0	0.0	0.0	0.0
Kanpur	400	420	6:03	394	19:31	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	6:59	399	19:32	0.0	0.0	0.1	0.0	0.1
Ballabgarh	400	419	4:01	394	22:19	0.0	0.0	0.0	0.0	0.0
Bawana	400	419	7:56	394	22:34	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	2:59	390	22:09	0.0	0.0	1.6	0.0	1.6
Hissar	400	414	2:55	389	22:31	0.0	0.2	0.0	0.0	0.0
Moga	400	420	2:24	399	22:31	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	3:00	397	19:32	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	424	2:25	404	19:21	0.0	0.0	17.7	0.0	17.7
Kishenpur	400	414	2:10	398	20:46	0.0	0.0	0.0	0.0	0.0
Wagoora	400	409	3:57	373	21:04	15.8	23.3	0.0	0.0	15.8
Amritsar	400	426	2:11	405	19:32	0.0	0.0	23.6	0.0	23.6
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	0:00	417	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	3:01	388	19:30	0.0	0.9	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum	Minimum	Voltage (in % of Time)	Voltage
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Station	Voltage Level (kV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	% Deviat
Fatehpur	765	784	5:02	738	22:10	0.0	4.2	0.0	0.0	0.0
Balia	765	799	6:03	746	19:33	0.0	0.0	0.0	0.0	0.0
Moga	765	800	3:01	759	22:18	0.0	0.0	0.0	0.0	0.0
Agra	765	797	5:01	747	22:23	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	801	6:34	766	19:35	0.0	0.0	7.9	0.0	7.9
Unnao	765	778	5:05	735	22:23	0.0	20.8	0.0	0.0	0.0
Lucknow	765	800	6:02	743	19:32	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	5:03	756	22:32	0.0	0.0	15.9	0.0	15.9
Jhatikara	765	801	3:59	754	22:32	0.0	0.0	0.9	0.0	0.9
Bareilly 765 kV	765	798	6:02	741	19:33	0.0	0.0	0.0	0.0	0.0
Anta	765	798	4:02	763	22:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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)	Inflow (m ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	469.33	257.12	477.34	401.01	735.56	400.51
Pong	426.72	384.05	396.75	157.28	394.68	121.45	75.92	177.72
Tehri	829.79	740.04	755.65	88.62	743.00	14.17	107.39	194.00
Koteshwar	612.50	598.50	610.52	4.80	608.43	3.96	194.00	191.02
Chamera-I	760.00	748.75	757.11	0.00	0.00	0.00	357.47	358.35
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	515.61	3.90	498.30	1.54	317.92	149.57

* 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	503	0	0	74	0	0	2.73	1.22	3.94
Delhi	-222	15	0	-222	-6	0	-4.19	3.94	-0.25
Haryana	149	223	0	149	222	0	1.17	1.33	2.50
HP	-639	-521	0	-196	-1180	0	-5.94	-22.05	-27.99
J&K	-163	-496	0	-163	-290	0	-3.90	-8.57	-12.47
CHD	0	0	0	0	0	0	0.00	0.27	0.27
Rajasthan	-8	385	0	-8	533	0	-0.19	9.33	9.14
UP	755	910	0	1136	1106	0	8.80	10.37	19.17
Uttarakhand	267	-205	0	137	61	0	5.76	-3.22	2.54
Total	643	311	0	907	447	0	4.23	-7.38	-3.14

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	503	-48	349	0	0	0
Delhi	-32	-242	529	-225	0	0
Haryana	149	-51	293	-458	0	0
HP	-40	-739	-446	-1273	0	0
J&K	-163	-163	-215	-496	0	0
CHD	0	0	89	0	0	0
Rajasthan	-8	-8	742	310	0	0
UP	1136	10	1693	-68	0	0
Uttarakhand	267	137	138	-336	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	1	15
Haryana	0	10
Rajasthan	4	38
Delhi	5	40
UP	0	9
Uttarakhand	4	32
HP	6	44
J & K	4	40
Chandigarh	2	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.04.2017 :

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 : 24.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER