

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एलएनटीडी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188692

Power Supply Position in Northern Region for 25.04.2016

Date of Reporting : 26.04.2016



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
41352	565	41917	50.04	39001	757	39757	50.04	919.8	11.67

*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	48.24	7.56		55.80	61.50	61.73	0.23	117.53	0.00
Haryana	40.90	0.36		41.27	82.83	82.52	-0.31	123.79	0.00
Rajasthan	138.48	0.00	11.58	150.07	40.84	41.31	0.47	191.38	0.00
Delhi	19.37			19.37	70.03	68.99	-1.03	88.36	0.06
UP	171.46	3.87		175.33	117.59	117.00	-0.59	292.33	1.22
Uttarakhand		9.88		9.88	25.63	26.74	1.11	36.61	0.18
HP		8.63		8.63	11.93	14.88	2.95	23.51	0.41
J & K		12.37	0.00	12.37	22.88	29.31	6.43	41.68	9.79
Chandigarh				0.00	4.84	4.63	0.27	4.63	0.00
Total	418.45	42.68	11.58	472.71	438.07	447.12	9.53	919.83	11.67

* 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 (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max (hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	5078	0	-33	-142	5236	0	167	-18	5946
Haryana	6734	0	-125	366	5526	0	232	333	6734
Rajasthan	7736	0	-151	46	7912	0	-10	-186	8669
Delhi	3825	0	-12	47	3555	0	116	-322	4271
UP	12924	0	-288	649	12851	470	73	1738	13371
Uttarakhand	1756	40	-50	557	1382	0	65	486	1756
HP	981	0	-70	-629	751	0	235	-418	1218
J&K	2098	525	368	-120	1626	287	366	-234	2098
Chandigarh	220	0	-11	0	162	0	8	0	231
Total	41352	565	-372	774	39001	757	1252	1380	42928

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

Diversity is 1.03

III. Regional Entities :

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

Entity	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	915	1050	1049	22.91	955	21.68
Rihand I STPS (2*500)		1000	802	885	868	19.13	797	18.93	0.19
Rihand II STPS (2*500)		1000	948	1036	995	22.89	954	22.20	0.70
Rihand III STPS (2*500)		1000	463	517	510	11.53	480	10.96	0.56
Dadri I STPS (4*210)		840	805	555	557	13.91	579	14.27	-0.37
Dadri II STPS (2*490)		980	480	420	458	9.95	415	10.57	-0.62
Unchahar I TPS (2*210)		420	340	376	359	8.02	334	7.94	0.09
Unchahar II TPS (2*210)		420	200	221	214	4.52	188	4.56	-0.04
Unchahar III TPS (1*210)		210	200	218	211	4.48	187	4.47	0.01
ISTPP (Jhajjhar) (3*500)		1500	950	818	652	15.32	638	15.69	-0.38
Dadri GPS (4*130.19+2*154.51)		830	772	373	297	7.89	329	8.01	-0.12
Anta GPS (3*88.71+1*153.2)		419	265	0	0	0.00	0	0.01	-0.01
Auraiya GPS (4*111.19+2*109.30)		663	621	152	156	3.52	147	3.63	-0.11
Dadri Solar(5)		5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)		10	2	0	0	0.05	2	0.04	0.00
Singrauli Solar(15)		15	3	0	0	0.07	3	0.07	0.00
KHEP(4*200)	800	764	651	0	4.37	182	4.00	0.37	
Sub Total (A)	12112	8531	7272	6326	149	6190	147	2	
B. NPC	NAPS (2*220)	440	399	399	399	0.96	40	9.58	-8.62
	RAPS- B (2*220)	440	293	404	191	7.19	300	6.50	0.69
	RAPS- C (2*220)	440	415	442	448	9.60	400	9.96	-0.36
	Sub Total (B)	1320	1107	1245	1038	17.75	739	26.04	-8.29
C. NHPC	Chamera I HPS (3*180)	540	535	545	182	7.48	312	7.10	0.38
	Chamera II HPS (3*100)	300	300	303	0	2.93	122	2.69	0.23
	Chamera III HPS (3*77)	231	231	229	77	1.79	75	1.68	0.12
	Bairasuil HPS (3*60)	180	179	183	0	1.90	79	1.85	0.05
	Salal-HPS (6*115)	690	377	460	395	9.68	403	9.09	0.59
	Tanakpur-HPS (3*31.4)	94	16	30	21	0.55	23	0.39	0.16
	Uri-I HPS (4*120)	480	475	474	473	11.47	478	11.40	0.07
	Uri-II HPS (4*60)	240	235	238	238	5.67	236	5.64	0.03
	Dhauliganga-HPS (4*70)	280	280	140	0	1.32	55	1.21	0.11
	Dulhasti-HPS (3*130)	390	387	403	39	5.92	247	5.56	0.36
	Sewa-II HPS (3*40)	120	119	127	0	1.09	45	1.00	0.09
	Parbati 3 (4*130)	520	265	19	0	0.97	41	0.92	0.06
Sub Total (C)	4065	3400	3149	1424	51	2116	49	2	
D. SJVNL	NJPC (6*250)	1500	1605	1341	0	9.26	386	9.22	0.04
	Rampur HEP (6*68.67)	412	375	374	0	2.55	106	2.50	0.05
	Sub Total (D)	1912	1980	1715	0	11.81	492	11.71	0.10
E. THDC	Tehri HPS (4*250)	1000	387	391	0	3.45	144	3.40	0.05
	Koteshwar HPS (4*100)	400	77	102	76	1.91	79	1.85	0.06
Sub Total (E)	1400	464	493	76	5.35	223	5.25	0.10	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	618	1154	346	14.67	611	14.83	-0.16
	Dehar HPS (6*165)	990	266	660	165	6.32	263	6.38	-0.07
	Pong HPS (6*66)	396	48	159	53	1.41	59	1.15	0.26
	Sub Total (F)	2765	932	1973	564	22.40	933	22.37	0.03
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*1000)	192	0	53	0	0.73	30	0.67	0.06
	KARCHAM WANGTOO HPS(IPP)	1000	0	500	150	4.75	198	4.98	-0.22
	Malana Stg-II HPS (2*50)	100	0	106	15	0.48	20	0.47	0.01
	Shree Cement TPS (2*150)	300	0	295	297	7.03	293	7.01	0.02
	Budhil HPS(IPP) (2*35)	70	0	10	35	0.35	15	0.62	-0.27
Sub Total (G)	1662	0	964	497	13.34	556	13.75	-0.41	
H. Total Regional Entities (A-G)	25237	16415	16811	9925	269.99	11250	274.71	-4.71	

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	160	160	3.55	148
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.02	84
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	404	463	8.67	361
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2
	Rajpura (2*700)	1400	860	1320	23.83	993
	Talwandi Saboo (3*660)	1980	308	614	10.21	426
	Thermal (Total)	6560	1832	2657	48.24	2010
	Total Hydro	1000	315	344	7.56	315
	Total Punjab	7560	2147	3001	55.80	2325
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	466	410	9.90
DCRTPP (Yamuna nagar) (2*300)		600	518	452	10.99	458
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	1076	760	20.02	834
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	2060	1622	40.90	1704
Total Hydro		62	8	23	0.36	15
Total Haryana		5006	2068	1645	41.27	1719
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	871	866	21.91
	suratgarh TPS (6*250)	1500	777	768	19.48	812
	Chabra TPS (4*250)	1000	825	904	20.63	860
	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	186	194	4.91	205
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	85	93	1.89	79
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwast LTPS (IPP) (8*135)	1080	642	730	17.10	713
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	897	1119	24.36	1015
	Kawai(Adani) (2*660)	1320	1107	1168	28.20	1175
	Thermal (Total)	8876	5390	5842	138	5770
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	172	553	7.81	325
	Biomass	99	29	29	0.71	29
	Solar	730	0	0	3.07	128
	Renewable/Others (Total)	4043	201	582	11.58	483
	Total Rajasthan	13469	5591	6424	150.07	6253
	UP	Anpara TPS (3*210+2*500)	1630	1198	1225	29.10
Obra TPS (2*50+2*94+5*200)		1194	294	309	6.80	283
Paricha TPS (2*110+2*220+2*250)		1160	1058	995	22.70	946
Panki TPS (2*105)		210	135	117	2.90	121
Harduaganj TPS (1*60+1*105+2*250)		665	606	551	13.00	542
Tanda TPS (NTPC) (4*110)		440	389	278	8.36	348
Roza TPS (IPP) (4*300)		1200	1067	1085	24.00	1000
Anpara-C (IPP) (2*600)		1200	1080	1001	25.30	1054
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	405	7.20	300
Anpara-D(2*500)		1000	250	248	4.40	183
Lalitpur TPS(3*660)		1980	499	497	10.00	417
Bara(2*660)		1320	502	504	12.90	538
Thermal (Total)		12449	7481	7215	167	6944
Vishnuparyag HPS (IPP)(4*110)		440	86	88	2.10	88
Alakanada(4*82.5)		330	89	84	1.10	46
Other Hydro		527	0	30	0.67	28
Cogeneration		981	200	200	4.80	200
Total UP	14727	7856	7617	175	7305	
Uttarakhand	Total Hydro	1398	509	472	9.88	412
	Total Uttarakhand	1398	509	472	9.88	412
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	31	42	0.77	32
	Pragati Gas Turbine (2x104+ 1x122)	330	261	147	5.49	229
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	253	6.12	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	308	6.99	291
	Thermal (Total)	2917	868	750	19.37	807
	Total Delhi	2917	868	750	19.37	807
HP	Baspa HPS (IPP) (3*100)	300	0	222	1.54	64
	Malana HPS (IPP) (2*43)	86	27	15	0.48	20
	Other Hydro	878	307	265	6.61	276
	Total HP	1264	334	502	8.63	360
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	380	498	10.12	422
	Other Hydro/IPP	560	118	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	498	580	12.37	516
Total State Control Area Generation		47841	19871	20990	472.71	19696
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6973.12	8703.7	182.10	7588
Total Regional Availability(Gross)		73078	43655	39619	924.81	38534

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8640	2230	100.67	4195
State Control Area Hydro	6881	1839	2123	43	1778
Total Regional Hydro	19115	10479	4352	143.35	5973

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

Element	Peak(20:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	250	250	250	0	0	0	6.04	0.00	6.04
765 KV Gwalior-Agra (D/C)	2627	3071	3071	0	0	0	64.29	0.00	64.29
400 KV Zerda-Kankroli	-161	-212	0	375	0	0	0.00	6.02	-6.02
400 KV Zerda-Bhinmal	-105	-177	0	309	0	0	0.00	4.20	-4.20
220 KV Auraiya-Malanpur	-31	-6	0	40	0	0	0.00	0.13	-0.13
220 KV Badod-Kota/Morak	-4	47	57	66	0	0	0.00	0.12	-0.12
Mundra-Mohinderghar(HVDC Bipole)	2503	2502	2508	0	0	0	60.45	0.00	60.45
400 KV Vindhychal - Rihand	0	0	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	683	804	910	0	0	0	17.80	0.00	17.80
Sub Total WR	5762	6279					148.59	10.47	138.12

Pusauli Bypass/HVDC	100	100	100	0	2.44	0.00	2.44
400 KV MZP- GKP (D/C)	-176	124	150	198	0.41	0.00	0.41
400 KV Patna-Balia(D/C) X 2	361	655	663	0	14.09	0.00	14.09
400 KV B'Sharif-Balia (D/C)	-30	193	215	61	3.23	0.00	3.23
765 KV Gaya-Balia	135	276	280	0	2.89	0.00	2.89
765 KV Gaya-Varanasi (D/C)	17	75	131	0	1.00	0.00	1.00
220 KV Pusauli-Sahupuri	195	171	195	0	3.90	0.00	3.90
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-28	-20	0	30	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-209	-115	9	234	0.00	2.78	-2.78
400 KV Barh -GKP (D/C)	442	498	526	0	10.77	0.00	10.77
400 kvB'Sharif - Varanasi (D/C)	-96	-32	0	100	0.00	3.41	-3.41
Sub Total ER	711	1925			38.72	6.73	31.99
+/- 800 KV BiswanathCharialli-Agra	500	500	488	0	11.99	0.00	11.99
Sub Total NER	500	500			11.99	0.00	11.99
Total IR Exch	6973	8704			199.30	17.20	182.10

V(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
38.81	0.76	39.57	-3.62	1.40	3.91	18.77	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
39.87	140.21	180.08	43.98	138.12	182.10	4.12	-2.09	2.02

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-29	-24	0	31	0	1	-0.69

VI. 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	0.41	3.32	23.82	74.27	68.37	6.99	0.84	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)		
50.15	18.02	49.66	19.10	49.95	0.081	0.00	0.00	31.63	

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	409	07:59	400	00:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	13:02	398	19:27	0.0	0.0	8.2	0.0	8.2
Bareilly(PG)400kV	400	420	18:04	384	18:35	0.0	0.1	0.0	0.0	0.0
Kanpur	400	420	08:03	400	00:46	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	08:01	402	00:07	0.0	0.0	0.5	0.0	0.5
Ballabgarh	400	427	08:04	405	00:02	0.0	0.0	25.3	0.0	25.3
Bawana	400	424	08:03	404	00:00	0.0	0.0	14.8	0.0	14.8
Bassi	400	424	18:31	395	23:16	0.0	0.0	3.4	0.0	3.4
Hissar	400	422	18:01	400	00:01	0.0	0.0	0.8	0.0	0.8
Moga	400	419	18:01	399	22:46	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	13:23	405	19:42	0.0	0.0	48.2	0.0	48.2
Nalagarh	400	428	18:00	409	22:48	0.0	0.0	48.6	0.0	48.6
Kishenpur	400	420	03:34	397	22:07	0.0	0.0	0.0	0.0	0.0
Wagoor	400	410	03:42	374	20:21	14.1	23.7	0.0	0.0	14.1
Amritsar	400	424	03:50	404	22:07	0.0	0.0	23.6	0.0	23.6
Kashipur	400	423	18:16	410	00:45	0.0	0.0	4.3	0.0	4.3
Hamirpur	400	421	05:30	405	23:11	0.0	0.0	0.2	0.0	0.2
Rishikesh	400	417	18:19	384	00:46	0.0	9.4	0.0	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	781	08:03	744	00:50	0.0	0.0	0.0	0.0	0.0
Balia	765	786	08:03	748	19:34	0.0	0.0	0.0	0.0	0.0
Moga	765	805	18:01	763	00:07	0.0	0.0	2.3	0.0	2.3
Agra	765	797	18:31	753	01:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	780	08:04	743	00:48	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	08:04	753	00:47	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	18:15	766	00:01	0.0	0.0	17.9	0.0	17.9
Jhatikara	765	803	18:16	764	22:47	0.0	0.0	2.1	0.0	2.1
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	778	17:59	756	22:46	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	18:01	749	22:47	0.0	0.0	0.0	0.0	0.0

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	477.02	394.40	483.75	552.50	233.47	544.93
Pong	426.72	384.05	394.62	121.45	404.83	336.10	37.32	109.64
Tehri	829.79	740.04	742.60	14.17	764.10	154.42	44.03	132.00
Koteshwar	612.50	598.50	608.18	3.73	610.89	4.95	132.00	125.74
Chamera-I	760.00	748.75	754.35	0.00	0.00	0.00	134.67	205.04
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	498.46	2.33	518.99	2.54	191.21	78.52

* 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	21	-38	0	-388	246	0	-1.13	6.59	5.46
Delhi	-116	-207	0	-75	123	0	-1.87	0.42	-1.45
Haryana	232	101	0	81	286	0	0.58	2.80	3.38
HP	-303	-115	0	-151	-478	0	-4.84	-2.08	-6.93
J&K	-157	-76	0	-107	-13	0	-3.28	-0.98	-4.25
CHD	0	0	0	0	0	0	0.00	0.65	0.65
Rajasthan	-366	180	0	-362	408	0	-8.76	8.88	0.12
UP	763	975	0	649	0	0	16.22	4.61	20.82
Uttarakhand	0	343	144	224	170	163	5.76	7.03	12.78
Total	74	1163	144	-130	741	163	2.67	27.90	30.57

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	21	-388	360	-38	0	0
Delhi	-26	-136	386	-353	0	0
Haryana	232	-234	316	-309	0	0
HP	-151	-303	205	-694	0	0
J&K	-58	-157	-13	-114	0	0
CHD	0	0	74	-15	0	0
Rajasthan	-362	-366	410	127	0	0
UP	868	607	975	0	0	0
Uttarakhand	469	0	343	1	163	134

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	16.67%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 25.04.2016 :
Normal

XV. Synchronisation of new generating units :

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

0.00
0.00
0.00
0.00

XVII. Tripping of lines in pooling stations :

XVIII. 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.