पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.04.2016
Date of Reporting : 25.04.2016

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
39640	519	40159	50.04	40187	1067	41254	50.04	889.4	9.55

* 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	Actual Drawal	UI	Consumption	Shortages *
	Thermal	Hydro	Renewable/others $	Total	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(MU)
Punjab	46.85	6.36		53.21	58.11	57.30	-0.81	110.51	0.00
Haryana	40.71	0.33		41.04	89.66	86.60	-3.05	127.64	0.00
Rajasthan	137.15	0.00	5.88	143.03	40.68	42.20	1.52	185.22	0.00
Delhi	14.82			14.82	64.20	63.70	-0.49	78.52	0.00
UP	161.70	4.11		165.82	119.76	118.70	-1.06	284.52	0.00
Uttarakhand		10.32		10.32	24.58	24.41	-0.17	34.72	0.00
HP		8.32		8.32	12.58	15.16	2.58	23.49	0.00
J & K		16.19	0.00	16.19	22.80	24.50	1.69	40.69	9.55
Chandigarh				0.00	4.04	4.06	0.27	4.06	0.00
Total	**401.23**	**45.64**	**5.88**	**452.74**	**436.40**	**436.63**	**0.48**	**889.37**	**9.55**

* 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	4653	0	-81	-144	5124	0	43	77	5815
Haryana	6378	0	-159	561	6044	0	113	768	6470
Rajasthan	7418	0	-104	-77	8061	0	-233	-81	8468
Delhi	3515	0	-74	-3	3672	0	83	-276	4030
UP	12763	0	-397	764	13131	780	342	1536	13395
Uttarakhand	1672	0	-1	622	1477	0	51	503	1690
HP	970	0	16	-627	890	0	242	-401	1186
J&K	2077	519	212	-157	1624	287	8	-221	2088
Chandigarh	194	0	-21	0	165	0	7	0	194
Total	**39640**	**519**	**-609**	**938**	**40187**	**1067**	**656**	**1905**	**42104**

* 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)]

	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	901	1048	1056	21.61	900	20.57	1.04
	Rihand I STPS (2*500)	1000	811	801	880	18.28	762	18.17	0.11
	Rihand II STPS (2*500)	1000	950	961	1037	21.33	889	21.22	0.11
	Rihand III STPS (2*500)	1000	552	510	1037	12.84	535	12.67	0.16
	Dadri I STPS (4*210)	840	805	557	557	13.53	564	13.82	-0.29
	Dadri II STPS (2*490)	980	480	327	387	8.56	357	8.99	-0.43
	Unchahar I TPS (2*210)	420	340	291	376	3.36	140	7.21	-3.85
	Unchahar II TPS (2*210)	420	200	205	219	3.95	164	4.08	-0.13
	Unchahar III TPS (1*210)	210	200	158	219	7.31	305	4.08	3.23
	ISTPP (Jhajjhar) (3*500)	1500	950	589	589	15.28	637	15.28	0.00
	Dadri GPS (4*130.19+2*154.51)	830	772	229	387	7.48	312	7.59	-0.11
	Anta GPS (3*88.71+1*153.2)	419	265	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	621	148	145	3.40	142	3.47	-0.07
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.04	0.01
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.01
	KHEP(4*200)	800	872	871	217	5.59	233	5.00	0.59
	Sub Total (A)	**12112**	**8725**	**6695**	**7106**	**143**	**5944**	**142**	**0**
B. NPC	NAPS (2*220)	440	395	427	437	9.54	397	9.48	0.06
	RAPS- B (2*220)	440	170	189	192	3.65	152	6.50	-2.85
	RAPS- C (2*220)	440	415	439	445	9.58	399	9.96	-0.38
	Sub Total (B)	**1320**	**980**	**1055**	**1074**	**22.77**	**949**	**25.94**	**-3.17**
C. NHPC	Chamera I HPS (3*180)	540	535	540	365	7.36	307	7.08	0.28
	Chamera II HPS (3*100)	300	300	304	200	3.53	147	3.35	0.17
	Chamera III HPS (3*77)	231	231	229	154	2.12	88	2.09	0.03
	Bairasuil HPS(3*60)	180	179	181	11	2.05	85	1.99	0.06
	Salal-HPS (6*115)	690	430	606	446	11.23	468	10.34	0.89
	Tanakpur-HPS (3*31.4)	94	20	31	26	0.60	25	0.47	0.14
	Uri-I HPS (4*120)	480	475	473	473	11.48	478	11.40	0.08
	Uri-II HPS (4*60)	240	235	239	238	5.69	237	5.65	0.04
	Dhauliganga-HPS (4*70)	280	280	70	0	1.47	61	1.33	0.14
	Dulhasti-HPS (3*130)	390	387	397	147	7.76	323	7.52	0.25
	Sewa-II HPS (3*40)	120	119	128	81	1.67	70	1.55	0.12
	Parbati 3 (4*130)	520	276	10	0	0.92	38	0.92	0.00
	Sub Total (C)	**4065**	**3467**	**3208**	**2141**	**56**	**2328**	**54**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1607	249	11.64	485	11.41	0.22
	Rampur HEP (6*68.67)	412	375	371	127	3.17	132	3.05	0.12
	Sub Total (D)	**1912**	**1980**	**1978**	**376**	**14.81**	**617**	**14.47**	**0.34**
E. THDC	Tehri HPS (4*250)	1000	387	394	132	3.76	157	3.70	0.06
	Koteshwar HPS (4*100)	400	92	101	91	2.21	92	2.20	0.01
	Sub Total (E)	**1400**	**479**	**495**	**223**	**5.97**	**249**	**5.90**	**0.07**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	609	1099	344	14.45	602	14.61	-0.16
	Dehar HPS (6*165)	990	288	495	165	7.00	292	6.92	0.08
	Pong HPS (6*66)	396	49	159	53	1.22	51	1.17	0.06
	Sub Total (F)	**2765**	**946**	**1753**	**562**	**22.68**	**945**	**22.70**	**-0.02**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	45	0	0.82	34	0.91	-0.09
	KARCHAM WANGTOO HPS(IPP) (	1000	0	680	290	5.80	242	6.54	-0.74
	Malana Stg-II HPS (2*50)	100	0	89	20	0.43	18	0.42	0.01
	Shree Cement TPS (2*150)	300	0	294	297	6.98	291	7.02	-0.04
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.03	1	0.62	-0.59
	Sub Total (G)	1662	0	1142	607	14.07	586	15.52	-1.45
H. Total Regional Entities (A-G)		**25237**	**16576**	**16326**	**12088**	**278.82**	**11617**	**280.49**	**-1.67**

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	205	160	3.53	147
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	118	100	2.20	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	468	366	8.62	359
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	1320	23.09	962
	Talwandi Saboo (3*660)	1980	308	614	9.44	393
	Thermal (Total)	**6560**	**1759**	**2560**	**46.85**	**1952**
	Total Hydro	1000	295	328	6.36	265
	Total Punjab	**7560**	**2054**	**2888**	**53.21**	**2217**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	407	420	9.67	403
	DCRTPP (Yamuna nagar) (2*300)	600	518	458	11.41	475
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	758	767	19.63	818
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1683**	**1645**	**40.71**	**1696**
	Total Hydro	62	7	24	0.33	14
	Total Haryana	**5006**	**1690**	**1669**	**41.04**	**1710**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	874	757	21.37	890
	suratgarh TPS (6*250)	1500	766	899	19.68	820
	Chabra TPS (4*250)	1000	832	877	20.22	842
	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	193	194	4.88	203
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	92	92	2.08	87
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	495	721	16.12	671
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	826	1098	24.87	1036
	Kawai(Adani) (2*660)	1320	1078	1207	27.94	1164
	Thermal (Total)	**8876**	**5156**	**5845**	**137**	**5715**
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	48	339	5.17	215
	Biomass	99	30	30	0.71	30
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	78	369	5.88	245
	Total Rajasthan	**13469**	**5234**	**6214**	**143.03**	**5959**
UP	Anpara TPS (3*210+2*500)	1630	1205	768	26.34	1098
	Obra TPS (2*50+2*94+5*200)	1194	275	258	6.00	250
	Paricha TPS (2*110+2*220+2*250)	1160	978	1000	22.30	929
	Panki TPS (2*105)	210	54	99	1.50	63
	Harduaganj TPS (1*60+1*105+2*250)	665	544	545	12.30	513
	Tanda TPS (NTPC) (4*110)	440	293	290	5.80	242
	Roza TPS (IPP) (4*300)	1200	1067	1098	23.46	978
	Anpara-C (IPP) (2*600)	1200	1013	990	22.79	950
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	403	405	8.13	339
	Anpara-D(2*500)	1000	248	242	5.86	244
	Lalitpur TPS(3*660)	1980	491	489	10.12	422
	Bara(2*660)	1320	459	519	12.30	512
	Thermal (Total)	**12449**	**7030**	**6703**	**157**	**6538**
	Vishnuparyag HPS (IPP)(4*110)	440	88	94	2.15	90
	Alaknanada(4*82.5)	330	85	85	1.22	51
	Other Hydro	527	48	27	0.74	31
	Cogeneration	981	200	200	4.80	200
	Total UP	**14727**	**7451**	**7109**	**166**	**6909**
Uttarakhand	Total Hydro	1398	565	387	10.32	430
	Total Uttarakhand	**1398**	**565**	**387**	**10.32**	**430**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	35	32	0.81	34
	Pragati Gas Turbine (2x104+ 1x122)	330	90	265	4.79	200
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	190	330	3.18	132
	Thermal (Total)	2917	565	879	14.82	618
	Total Delhi	**2917**	**565**	**879**	**14.82**	**618**
HP	Baspa HPS (IPP) (3*100)	300	0	61	1.10	46
	Malana HPS (IPP) (2*43)	86	25	15	0.46	19
	Other Hydro	878	311	271	6.77	282
	Total HP	**1264**	**336**	**347**	**8.32**	**347**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	530	585	13.94	581
	Other Hydro/IPP	560	118	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**648**	**667**	**16.19**	675
Total State Control Area Generation		**47841**	**18543**	**20159**	**452.74**	**18864**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6847**	**8858**	**170.74**	**7114**
Total Regional Availability(Gross)		**73078**	**41716**	**41106**	**902.29**	**37596**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9118**	**3829**	**111.97**	**4665**
State Control Area Hydro	**6881**	**2072**	**1959**	**46**	**1902**
Total Regional Hydro	**19115**	**11190**	**5787**	**157.60**	**6567**

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
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	100	100	100	100	2.23	0.18	2.06
765 KV Gwalior-Agra (D/C)	2573	3170	3281	0	62.54	0.00	62.54
400 KV Zerda-Kankroli	-55	-113	0	316	0.00	3.91	-3.91
400 KV Zerda-Bhinmal	18	-64	61	232	0.00	1.94	-1.94
220 KV Auraiya-Malanpur	-32	-10	0	34	0.00	0.14	-0.14
220 KV Badod-Kota/Morak	18	81	94	52	0.50	0.00	0.50
Mundra-Mohindergarh(HVDC Bipole)	2097	2497	2506	0	54.55	0.00	54.55
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	684	845	926	0	16.03	0.00	16.03
Sub Total WR	**5403**	**6506**			**135.85**	**6.17**	**129.68**

Pusauli Bypass/HVDC	100	100	100	0	2.44	0.00	2.44
400 KV MZP- GKP (D/C)	112	262	262	228	2.36	0.00	2.36
400 KV Patna-Balia(D/C) X 2	329	454	628	0	10.22	0.00	10.22
400 KV B'Sharif-Balia (D/C)	22	108	150	0	1.58	0.00	1.58
765 KV Gaya-Balia	113	227	229	0	2.08	0.00	2.08
765 KV Gaya-Varanasi -1	31	183	183	0	0.99	0.00	0.99
220 KV Pusauli-Sahupuri	176	187	187	0	3.97	0.00	3.97
132 KV K'nasa-Sahupuri	0	0	0	0	1.44	0.00	1.44
132 KV Son Ngr-Rihand	-27	-26	0	30	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-155	-76	12	297	0.00	2.20	-2.20
400 KV Barh -GKP (D/C)	438	450	520	0	10.37	0.00	10.37
400 kvB'Sharif - Varanasi (D/C)	-195	-17	0	220	0.00	3.24	-3.24
Sub Total ER	**944**	**1852**			**35.46**	**6.03**	**29.43**
+/- 800 KV BiswanathCharialli-Agra	500	500	486	0	11.63	0.00	11.63
Sub Total NER	**500**	**500**			**11.63**	**0.00**	**11.63**
Total IR Exch	**6847**	**8858**			**182.93**	**12.19**	**170.74**

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
33.30	0.71	34.01	3.84	1.30	2.57	15.90	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
40.42	137.00	177.41	41.06	129.68	170.74	0.64	-7.32	-6.68

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
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-25	-26	0	31	0	1	-0.67

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	0.20	0.88	12.14	57.92	72.29	12.67	2.60	0.35	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)	
50.27	18.03	49.66	0.08	49.98	0.053	0.071	0.00	0.00	27.71

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
Ballabhgarh	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
Wagoora	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. Reservior Parameters:

Name of Reservior	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	477.34	401.01	483.52	544.27	296.28	534.25
Pong	426.72	384.05	394.68	121.45	404.75	336.10	38.34	99.79
Tehri	829.79	740.04	743.00	14.17	764.35	154.42	72.35	144.00
Koteshwar	612.50	598.50	608.43	3.96	610.89	4.95	144.00	145.89
Chamera-I	760.00	748.75	755.15	0.00	0.00	0.00	155.61	202.23
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1138.83	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	498.30	1.54	518.66	2.34	218.01	57.74

*** 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	56	0	-389	245	0	-1.13	6.53	5.40
Delhi	-76	-200	0	-76	73	0	-1.82	-1.41	-3.24
Haryana	503	264	0	353	208	0	8.39	1.48	9.87
HP	-279	-123	0	-126	-501	0	-4.25	-2.82	-7.07
J&K	-157	-64	0	-157	0	0	-3.78	-0.67	-4.45
CHD	0	0	0	0	0	0	0.00	0.16	0.16
Rajasthan	-470	389	0	-466	388	0	-10.73	9.40	-1.32
UP	812	725	0	764	0	0	17.60	5.11	22.70
Uttarakhand	0	353	150	223	236	163	4.89	7.44	12.34
Total	**354**	**1400**	**150**	**125**	**649**	**163**	**9.17**	**25.23**	**34.40**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	21	-389	352	56	0	0
Delhi	-76	-76	197	-396	0	0
Haryana	503	193	272	-320	0	0
HP	-126	-279	147	-685	0	0
J&K	-157	-157	0	-101	0	0
CHD	0	0	25	0	0	0
Rajasthan	-367	-470	413	378	0	0
UP	904	686	883	0	0	0
Uttarakhand	380	0	359	1	163	147

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	**20.49%**

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

Rihand - Dadri	**0.00%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 24.04.2016 :
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.