

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सख्यक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.03.2016

Date of Reporting : 09.03.2016



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
35595	613	36208	50.03	27449	286	27735	50.09	776.7	41.52

* 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	Renewable/others \$	Total					
Punjab	39.22	5.29		44.51	51.22	51.12	-0.10	95.63	0.00
Haryana	26.97	0.29		27.26	77.86	78.08	0.22	105.34	0.00
Rajasthan	126.00	4.26	7.32	137.59	56.45	59.68	3.24	197.27	0.00
Delhi	9.99			9.99	49.42	49.58	0.16	59.57	0.01
UP	114.52	1.26		115.78	100.82	102.10	1.28	217.88	31.35
Uttarakhand		8.85		8.85	22.22	24.35	2.13	33.20	0.49
HP		4.59		4.59	19.53	18.78	-0.75	23.37	0.00
J & K		6.21	0.00	6.21	34.09	34.92	0.83	41.13	9.67
Chandigarh				0.00	3.41	3.34	0.27	3.34	0.00
Total	316.70	30.75	7.32	354.78	415.01	421.95	7.28	776.73	41.52

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

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

State	Evening Peak (19:00 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	4487	0	-336	-1033	2785	0	-46	83	4572
Haryana	5492	0	24	77	3206	0	-40	129	5962
Rajasthan	7646	0	-22	277	7954	0	18	622	9158
Delhi	2871	7	-83	-504	1698	0	-18	-1044	3159
UP	10392	80	-373	38	8198	0	-173	135	11048
Uttarakhand	1630	40	79	229	1165	0	15	351	1683
HP	955	0	-271	240	732	0	57	243	1287
J&K	1944	486	282	591	1619	286	7	498	1973
Chandigarh	177	0	-11	-25	92	0	5	-10	179
Total	35595	613	-711	-110	27449	286	-174	1008	37996

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 :

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	1874	2041	1927	44.51	1854	44.36	0.14
	Rihand I STPS (2*500)	1000	861	877	679	18.85	786	18.64	0.22
	Rihand II STPS (2*500)	1000	958	969	726	21.31	888	20.89	0.42
	Rihand III STPS (2*500)	1000	916	969	899	20.70	862	20.70	-0.01
	Dadri I STPS (4*210)	840	815	380	281	7.59	316	7.78	-0.19
	Dadri II STPS (2*490)	980	980	817	693	17.16	715	17.88	-0.72
	Unchahar I TPS (2*210)	420	350	377	299	7.38	307	7.46	-0.08
	Unchahar II TPS (2*210)	420	195	207	156	3.80	158	3.75	0.05
	Unchahar III TPS (1*220)	210	202	204	155	3.85	160	3.91	-0.06
	ISTPP (Jhajjar) (3*500)	1500	950	399	285	7.05	294	7.09	-0.04
	Dadri GPs (4*130.19+2*154.51)	830	800	478	485	11.23	468	11.48	-0.25
	Anta GPs (3*88.71+1*153.2)	419	415	-1	-1	0.00	0	0.00	0.00
	Auraiya GPs (4*111.19+2*109.30)	663	493	288	306	6.53	272	6.84	-0.30
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	3	0	0	0.07	3	0.07	0.00
KHEP	800	655	651	0	2.47	103	2.30	0.17	
Sub Total (A)	12112	10469	8656	6890	173	7190	173	-1	
B. NPC	NAPS (2*220)	440	408	446	450	9.77	407	9.79	-0.02
	RAPS- B (2*220)	440	381	419	425	9.11	380	9.14	-0.03
	RAPS- C (2*220)	440	425	425	425	10.20	425	10.20	0.00
	Sub Total (B)	1320	1214	1290	1300	29.09	1212	29.14	-0.05
C. NHPC	Chamera I HPS (3*180)	540	534	529	0	2.76	115	2.44	0.31
	Chamera II HPS (3*100)	300	300	305	0	1.39	58	1.22	0.17
	Chamera III HPS (3*77)	231	231	189	0	0.72	30	0.69	0.03
	Bairasuli HPS(3*60)	180	182	183	0	0.76	32	0.72	0.04
	Salal-HPS (6*115)	690	134	325	205	3.84	160	3.20	0.64
	Tanakpur-HPS (3*40)	94	15	17	15	0.40	17	0.36	0.04
	Uri-I HPS (4*120)	480	280	352	153	7.23	301	6.74	0.48
	Uri-II HPS (4*60)	240	171	165	163	4.19	175	4.12	0.07
	Dhauliganga-HPS (4*70)	280	210	210	0	0.72	30	0.65	0.07
	Dulhasi-HPS (3*130)	390	387	405	0	3.02	126	2.80	0.22
	Sewa-II HPS (3*40)	120	119	128	0	0.55	23	0.50	0.05
	Parbati 3 (4*130)	520	130	0	0	0.00	0	0.39	-0.39
Sub Total (C)	4065	2693	2808	536	26	1065	24	2	
D.SJVNL	NJPC (6*250)	1500	1605	1401	0	7.16	299	7.13	0.04
	Rampur HEP (6*68.67)	412	375	377	0	2.02	64	1.95	0.07
	Sub Total (D)	1912	1980	1778	0	9.18	363	9.07	0.11
E. THDC	Tehri HPS (4*250)	1000	534	534	0	7.54	314	7.50	0.04
	Koteshwar HPS (4*100)	400	130	394	91	3.19	133	3.13	0.06
	Sub Total (E)	1400	664	928	91	10.73	447	10.63	0.10
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	696	1192	385	16.70	696	16.71	-0.01
	Dehar HPS (6*165)	990	150	495	0	3.65	152	3.60	0.05
	Pong HPS (6*66)	396	88	224	0	2.09	87	2.11	-0.02
	Sub Total (F)	2765	935	1911	385	22.44	935	22.43	0.01
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	16	0.36	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.38	141	4.08	-0.70
	Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.19	0.01
	Shree Cement TPS (2*150)	300	0	294	293	7.07	295	7.09	-0.02
	Budhi HPS(IPP) (2*35)	70	0	0	0	0.15	6	0.14	0.01
	Sub Total (G)	1662	0	924	293	11.18	466	11.86	-0.68
H. Total Regional Entities (A-G)	25237	17956	18295	9495	280.74	11697	280.14	0.60	

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	210	160	3.79	158
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.08	-3
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1320	660	27.40	1141
	Talwandi Saboo (2*660)	1320	614	0	8.13	339
	Thermal (Total)	5360	2144	820	39.22	1634
	Total Hydro	1000	271	182	5.29	221
	Total Punjab	6360	2415	1002	44.51	1855
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	272	227	5.73	239
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (kheadar) (IPP) (2*600)		1200	1096	810	21.24	885
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	1368	1037	26.97	1124
Total Hydro		62	8	15	0.29	12
Total Haryana		5006	1376	1052	27.26	1136
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	777	867	21.10
	suratgarh TPS (6*250)	1500	761	757	19.33	805
	Chabra TPS (4*250)	1000	570	601	14.54	606
	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	43	45	1.05	44
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	90	94	1.91	80
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	798	715	19.56	815
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	965	884	21.97	915
	Kawai(Adani) (2*660)	1320	1198	913	26.55	1106
	Thermal (Total)	8876	5202	4876	126	5250
	Total Hydro	550	170	129	4.26	178
	Wind power	3214	12	470	3.57	149
	Biomass	99	21	21	0.49	21
	Solar	730	0	0	3.26	136
	Renewable/Others (Total)	4043	33	491	7.32	305
	Total Rajasthan	13469	5405	5496	137.59	5733
	UP	Anpara TPS (3*210+2*500)	1630	782	786	18.75
Obra TPS (2*50+2*94+5*200)		1194	314	385	8.15	340
Paricha TPS (2*110+2*220+2*250)		1140	524	466	12.07	503
Panki TPS (2*105)		210	50	68	1.55	65
Harduaaganj TPS (1*60+1*105+2*250)		665	312	277	7.37	307
Tanda TPS (NTPC) (4*110)		440	342	380	8.57	357
Roza TPS (IPP) (4*300)		1200	833	581	15.97	665
Anpara-C (IPP) (2*600)		1200	1076	369	20.75	865
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0
Anpara-D(1*500)		500	0	175	2.14	89
Lalitpur TPS(2*660)		1320	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		11269	4233	3487	95	3972
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.00	0
Alakanada(4*82.5)		330	83	0	0.00	0
Other Hydro		527	68	22	1.26	53
Cogeneration		981	800	800	19.20	800
Total UP	13547	5184	4309	116	4824	
Uttarakhand	Total Hydro	1398	453	304	8.85	369
	Total Uttarakhand	1398	453	304	8.85	369
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	35	0.52	22
	Praagati Gas Turbine (2x104+ 1x122)	330	0	0	0.00	0
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	253	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.42	143
	Thermal (Total)	2917	452	453	9.99	416
	Total Delhi	2917	452	453	9.99	416
HP	Baspa HPS (IPP) (3*100)	300	30	30	1.08	45
	Malana HPS (IPP) (2*43)	86	0	0	0.21	9
	Other Hydro	878	174	92	3.30	138
	Total HP	1264	204	122	4.59	191
J & K	Baglihar HPS (IPP) (3*150)	450	144	143	3.45	144
	Other Hydro/IPP	560	139	123	2.76	115
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	283	266	6.21	259
Total State Control Area Generation		45161	15772	13004	354.78	14783
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5818.76	6628.07	159.43	6643
Total Regional Availability(Gross)		70398	39886	29127	794.95	33123

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8706	1012	74.34	3098
State Control Area Hydro	6581	1540	1040	31	1281
Total Regional Hydro	18815	10246	2052	105.09	4379

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

Element	Peak(19:00 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)	100	-250	100	250	100	250	0.15	4.80	-4.65
765 KV Gwalior-Agra (D/C)	2159	2494	3048	0	63.12	0.00	63.12	0.00	63.12
400 KV Zerda-Kankroli	-137	-195	0	232	0.00	3.67	0.00	3.67	-3.67
400 KV Zerda-Bhinmal	-54	-111	60	154	0.00	1.50	0.00	1.50	-1.50
220 KV Auraiya-Malanpur	-97	-45	0	115	0.00	1.48	0.00	1.48	-1.48
220 KV Badod-Kota/Morak	-25	-5	35	41	0.00	0.05	0.00	0.05	-0.05
Mundra-Mohindergarh(HVDC Bipole)	2497	2503	2513	0	60.46	0.00	60.46	0.00	60.46
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	386	888	1186	0	18.58	0.00	18.58	0.00	18.58
Sub Total WR	4829	5279			142.31	11.50	130.81	0.00	130.81
Pusauli Bypass/HVDC	400	400	400	0	9.08	0.00	9.08	0.00	9.08
400 KV MZP- GKP (D/C)	-402	-360	0	496	0.00	8.53	0.00	8.53	-8.53
400 KV Patna-Balia(D/C) X 2	648	611	707	0	15.25	0.00	15.25	0.00	15.25
400 KV B' Sharif-Balia (D/C)	-126	-73	0	217	0.00	2.78	0.00	2.78	-2.78
765 KV Gaya-Balia	142	245	316	0	2.93	0.00	2.93	0.00	2.93
765 KV Gaya-Fatehpur	0	0	0	0	0.00	0.00	0.00	0.00	0.00
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	-3	0	24	0.00	0.28	0.00	0.28	-0.28
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-174	17	81	174	0.00	0.07	0.00	0.07	-0.07
400 KV Barh -GKP (D/C)	502	512	550	0	12.07	0.00	12.07	0.00	12.07
Sub Total ER	990	1349			40.28	11.65	28.63	0.00	28.63
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00	0.00	0.00
Total IR Exch	5819	6628			182.59	23.15	159.43	0.00	159.43

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdli (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
35.22	0.17	35.39	0.05	-7.98	0.01	11.32	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
35.45	119.89	155.35	28.63	130.81	159.43	-6.83	10.92	4.09

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

Element	Peak(19:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-26	-29	0	32	0	0	0	0	-0.42

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	0.00	0.12	10.00	56.71	72.18	14.77	2.96	0.16	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Minimum	MAX	MIN						
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.25	18.02	49.78	16.15	49.99	0.044	0.065	50.14	49.95	27.82

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	407	01:57	400	12:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	02:31	402	19:06	0.0	0.0	9.3	0.0	9.3
Bareilly(PG)400kV	400	420	01:32	398	19:12	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	01:30	400	18:58	0.0	0.0	0.0	0.0	0.0
Dadrh	400	424	01:03	404	12:00	0.0	0.0	20.8	0.0	20.8
Ballabgarh	400	430	02:32	409	12:10	0.0	0.0	36.2	0.0	36.2
Bawana	400	427	01:32	406	12:13	0.0	0.0	23.3	0.0	23.3
Bassi	400	420	04:59	399	22:28	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	01:21	400	12:09	0.0	0.0	0.0	0.0	0.0
Moga	400	421	01:32	402	12:06	0.0	0.0	0.5	0.0	0.5
Abdullapur	400	422	01:18	404	18:53	0.0	0.0	8.9	0.0	8.9
Nalagarh	400	434	01:32	413	18:56	0.0	0.0	69.0	8.1	69.0
Kishenpur	400	422	02:54	398	19:03	0.0	0.0	5.1	0.0	5.1
Wagoora	400	403	04:00	376	06:55	15.4	47.4	0.0	0.0	15.4
Amritsar	400	429	01:32	409	12:10	0.0	0.0	44.3	0.0	44.3
Kashipur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	428	01:31	410	00:00	0.0	0.0	69.3	0.0	69.3
Rishkesh	400	0	00:00	9999	00:00	0.0	0.0	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 Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	773	02:32	737	19:20	0.0	2.7	0.0	0.0	0.0
Balia	765	789	02:32	750	19:11	0.0	0.0	0.0	0.0	0.0
Moga	765	800	20:43	760	12:13	0.0	0.0	0.0	0.0	0.0
Agra	765	787	02:01	755	12:00	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	784	13:09	769	12:53	0.0	0.0	0.0	0.0	0.0
Unnao	765	776	04:04	736	19:11	0.0	3.1	0.0	0.0	0.0
Lucknow	765	795	02:33	763	12:14	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	00:00	770	12:12	0.0	0.0	17.9	0.0	17.9
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	20.1	0.0	20.1
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	776	02:58	754	11:21	0.0	0.0	0.0	0.0	0.0
Phagi	765	783	02:03	734	12:01	0.0	0.1	0.0	0.0	0.0

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	484.24	569.03	481.89	503.43	157.10	549.40
Pong	426.72	384.05	397.60	168.56	400.92	237.89	47.91	157.84
Tehri	829.79	740.04	767.30	180.91	782.30	345.94	50.44	237.00
Koteshwar	612.50	598.50	610.57	4.71	610.70	4.75	237.00	210.00
Chamera-I	760.00	748.75	754.98	0.00	0.00	0.00	65.27	74.94
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	496.68	0.00	504.78	3.16	51.86	0.00

* 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	-45	128	0	-900	-133	0	-3.77	-1.68	-5.45
Delhi	-762	-282	0	-732	228	0	-16.95	0.75	-16.20
Haryana	-180	309	0	-205	283	0	-5.61	6.52	0.91
HP	30	213	0	377	-138	0	8.07	-1.05	7.02
J&K	512	-14	0	599	-7	0	11.64	-0.75	10.88
CHD	0	-10	0	0	-25	0	0.00	-0.28	-0.28
Rajasthan	-7	627	2	-7	284	0	0.60	9.94	10.54
UP	135	0	0	38	0	0	-5.09	0.00	-5.09
Uttarakhand	194	158	0	194	36	0	4.76	3.24	8.01
Total	-124	1129	2	-637	527	0	-6.35	16.70	10.34

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-900	132	-762	0	0
Delhi	-648	-762	458	-282	0	0
Haryana	-180	-408	309	102	0	0
HP	574	30	213	-590	0	0
J&K	623	398	-7	-198	0	0
CHD	0	0	0	-51	0	0
Rajasthan	186	-7	630	-225	2	0
UP	175	-563	0	0	0	0
Uttarakhand	222	194	276	1	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	4.51%
ER	0.00%
Simultaneous	12.15%

(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 08.03.2016 :

Normal

XV. Synchronisation of new generating units :

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

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :