

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 25.07.2016
Date of Reporting : 26.07.2016



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
47321	2229	49550	50.05	46265	698	46963	50.03	1126.0	18.00

* 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	77.76	14.36		92.12	132.13	132.58	0.44	224.69	0.00
Haryana	28.41	0.99		29.40	155.80	155.91	0.11	185.31	0.38
Rajasthan	119.80	0.00	10.81	130.62	69.81	70.76	0.95	201.37	0.00
Delhi	21.19			21.19	90.16	89.91	-0.25	111.11	0.00
UP	122.93	19.72		142.65	154.59	160.04	5.45	302.68	10.93
Uttarakhand		20.81		20.84	15.69	17.11	1.42	37.95	0.08
HP		22.69		22.69	1.51	2.97	1.46	25.66	0.08
J & K		22.48	0.00	22.48	13.50	8.53	-4.97	31.01	6.53
Chandigarh				0.00	6.43	6.26	-0.18	6.26	0.00
Total	370.09	101.05	10.81	481.99	639.62	644.05	4.43	1126.04	18.00

* 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 (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
	Demand Met	Shortage	UI	STO/PA transaction	Demand Met	Shortage	UI	STO/PA transaction			
Punjab	9876	0	-44	1254	8266	0	190	1626	10034	18:00	0
Haryana	8081	17	-129	1690	8031	0	111	2022	8696	23:00	0
Rajasthan	7885	0	-283	155	8430	0	142	297	9142	24:00	221
Delhi	4641	0	-24	549	4604	0	86	360	5551	24:00	0
UP	12213	1790	302	581	13402	495	177	1203	13572	2:00	0
Uttarakhand	1699	75	-29	61	1417	0	32	-214	1930	21:00	0
HP	1064	2	98	-1530	871	0	19	-1557	1212	11:00	0
J&K	1584	346	-139	-668	1021	203	-274	-980	1612	21:00	352
Chandigarh	278	0	14	0	224	0	0	0	324	15:00	0
Total	47321	2229	-234	2092	46265	698	482	2756	50033	24:00	1417

\$ STO/A figures are at sellers boundary & P/X figures are at regional boundary. # figures may not be at simultaneous hour. Diversity is 1.04

III. Regional Entities :

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	1870	2071	2065	45.29	1887	44.50	0.79
Rihand I STPS (2*500)	1000	464	509	506	11.05	460	10.88	0.17
Rihand II STPS (2*500)	1000	946	1038	1016	22.10	921	21.21	0.89
Rihand III STPS (2*500)	1000	943	1019	1019	22.24	927	21.67	0.57
Dadri I STPS (4*210)	840	805	593	432	10.36	432	10.54	-0.17
Dadri II STPS (2*490)	980	960	849	725	17.92	747	18.74	-0.83
Unchahar I TPS (2*210)	420	348	360	322	7.30	304	7.67	-0.37
Unchahar II TPS (2*210)	420	400	414	337	8.07	336	8.51	-0.43
Unchahar III TPS (1*210)	210	200	221	157	4.14	173	4.24	-0.10
ISTPP (Jhajjar) (3*500)	1500	1425	1190	896	22.70	946	22.97	-0.27
Dadri GPS (4*130.19+2*154.51)	830	777	189	178	4.15	173	4.27	-0.13
Anta GPS (3*88.71+1*153.2)	419	400	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	632	136	154	3.33	139	3.36	-0.03
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.03	1	0.05	-0.01
Singrauli Solar(15)	15	2	0	0	0.06	2	0.05	0.01
KHEP(4*200)	800	855	853	853	20.56	857	20.52	0.04
Sub Total (A)	12112	11029	9442	8660	199	8305	199	0.12
B. NPC								
NAPS (2*220)	440	385	423	425	9.24	385	9.24	0.00
RAPS- B (2*220)	440	181	205	201	4.25	177	4.34	-0.09
RAPS- C (2*220)	440	410	434	441	9.35	389	9.84	-0.49
Sub Total (B)	1320	976	1062	1067	22.84	952	23.42	-0.58
C. NHPC								
Chamera I HPS (3*180)	540	540	0	247	6.59	275	6.46	0.14
Chamera II HPS (3*100)	300	301	311	308	7.30	304	7.22	0.08
Chamera III HPS (3*77)	231	229	232	233	5.04	210	5.00	0.03
Bairasuli HPS(3*60)	180	180	188	0	1.88	78	1.78	0.10
Salal-HPS (6*115)	690	659	678	678	16.20	675	15.81	0.39
Tanakpur-HPS (3*31.4)	94	81	95	96	2.21	92	1.93	0.28
Uri-I HPS (4*120)	480	334	336	334	8.37	349	8.07	0.30
Uri-II HPS (4*60)	240	189	191	187	4.71	196	4.57	0.14
Dhauliganga-HPS (4*70)	280	269	270	280	6.46	269	6.47	-0.01
Dulhasi-HPS (3*130)	390	381	395	390	9.22	384	9.14	0.08
Sewa-II HPS (3*40)	120	119	0	0	0.43	18	0.43	0.00
Parbati 3 (4*130)	520	390	391	0	3.05	127	2.99	0.05
Sub Total (C)	4065	3674	3087	2754	71	2977	70	1.60
D. SJVNL								
NJPC (6*250)	1500	1605	1623	1625	38.58	1608	38.52	0.06
Rampur HEP (6*68.67)	412	442	447	450	10.81	450	10.61	0.20
Sub Total (D)	1912	2047	2070	2075	49.39	2058	49.13	0.26
E. THDC								
Tehri HPS (4*250)	1000	832	833	834	19.91	830	19.97	-0.06
Koteshwar HPS (4*100)	400	319	402	269	7.73	322	7.66	0.07
Sub Total (E)	1400	1151	1235	1103	27.64	1152	27.63	0.01
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	1078	1290	915	26.05	1085	25.88	0.17
Dehar HPS (6*165)	990	604	660	580	14.64	610	14.50	0.14
Pong HPS (6*66)	396	107	232	0	2.56	107	2.56	0.00
Sub Total (F)	2765	1789	2182	1495	43.25	1802	42.94	0.31
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	171	119	3.03	126	3.22	-0.19
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.25	1094	26.08	0.17
Malana Stg-II HPS (2*50)	100	0	113	91	2.34	98	2.14	0.20
Shree Cement TPS (2*150)	300	0	143	149	3.51	146	4.58	-1.07
Budhil HPS(IPP) (2*35)	70	0	72	72	1.73	72	1.73	0.00
Sub Total (G)	1662	0	1599	1531	36.85	1536	37.74	-0.89
H. Total Regional Entities (A-G)	25237	20666	20677	18686	450.75	18781	449.92	0.83

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	1050	850	20.27	845	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	324	225	5.75	240	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	657	468	11.04	460	
	Goindwal(GVK) (2*270)	540	246	180	4.76	198	
	Rajpura (2*700)	1400	1320	660	26.61	1109	
	Talwandi Saboo (3*660)	1980	470	308	9.34	389	
	Thermal (Total)	6560	4067	2691	77.76	3240	
	Total Hydro	1000	648	588	14.36	598	
	Total Punjab	7560	4715	3279	92.12	3838	
	Haryana	Panipat TPS (2*210+2*250)	920	207	202	4.96	207
DCRTPP (Yamuna nagar) (2*300)		600	229	233	5.60	233	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	314	308	7.80	325	
RGTPP (khedar) (IPP) (2*600)		1200	385	377	10.05	419	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1135	1120	28.41	1184	
Total Hydro		62	41	39	0.99	41	
Total Haryana		4559	1176	1159	29.40	1225	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	833	834	20.47	853
	suratgarh TPS (6*250)	1500	765	760	19.77	824	
	Chabra TPS (4*250)	1000	432	747	14.46	602	
	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	157	149	3.99	166	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	112	112	2.60	108	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	787	685	18.20	758	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	517	407	12.01	501	
	Kawai(Adani) (2*660)	1320	1119	1206	28.31	1180	
	Thermal (Total)	8876	4722	4900	120	4992	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	814	434	10.51	438	
	Biomass	99	16	16	0.31	13	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	830	450	10.81	451	
	Total Rajasthan	13469	5552	5350	130.62	5442	
	UP	Anpara TPS (3*210+2*500)	1630	1173	1139	27.87	1161
		Obra TPS (2*50+2*94+5*200)	1194	351	320	8.42	351
		Paricha TPS (2*110+2*220+2*250)	1160	788	824	19.42	809
		Panki TPS (2*105)	210	72	72	1.67	70
Harduaganj TPS (1*60+1*105+2*250)		665	389	403	9.76	407	
Tanda TPS (NTPC) (4*110)		440	30	274	3.75	156	
Roza TPS (IPP) (4*300)		1200	839	833	20.04	835	
Anpara-C (IPP) (2*600)		1200	1080	1087	25.95	1081	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		1000	212	192	4.85	202	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		12449	4934	5144	122	5072	
Vishnuparyag HPS (IPP)(4*110)		440	0	435	8.02	334	
Alaknanda(4*82.5)		330	343	340	8.21	342	
Other Hydro		527	131	211	3.50	146	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	5458	6180	143	5944	
Uttarakhand		Total Hydro	1398	861	874	20.81	867
		Total Gas	225	0	0	0.03	1
	Total Uttarakhand	1623	861	874	21	869	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	101	103	1.73	72	
	Pragati Gas Turbine (2x104+ 1x122)	330	264	263	6.39	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	254	254	6.05	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	331	322	7.03	293	
	Thermal (Total)	2917	951	942	21.19	883	
	Total Delhi	2917	951	942	21.19	883	
HP	Baspa HPS (IPP) (3*100)	300	330	330	7.92	330	
	Malana HPS (IPP) (2*43)	86	96	75	1.90	79	
	Other Hydro	878	541	533	12.87	536	
	Total HP	1264	967	938	22.69	946	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733	
	Other Hydro/IPP	560	200	210	4.89	204	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	933	943	22.48	937	
Total State Control Area Generation		47619	20613	19665	481.99	20083	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7430	8771	222.32	9263	
Total Regional Availability(Gross)		72856	48719	47121	1155.06	48127	
IV. Total Hydro Generation:							
Regional Entities Hydro		12234	10810	9590	243.92	10163	
State Control Area Hydro		7106	3924	4368	101.08	4212	
Total Regional Hydro		19340	14734	13958	345.00	14375	

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	Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	-250	-50	150	250	0.77	3.53	-2.76
765 KV Gwalior-Agra (D/C)	2687	2451	2760	0	56.58	0.00	56.58
400 KV Zerda-Kankroli	57	65	166	108	1.29	0.00	1.29
400 KV Zerda-Bhinmal	23	119	238	31	2.45	0.00	2.45
220 KV Auraiya-Malanpur	-39	-44	0	71	0.00	0.85	-0.85
220 KV Badod-Kota/Morak	33	96	148	12	1.27	0.00	1.27
Mundra-Mohindergarh(HVDC Bipole)	2203	2500	2506	0.00	54.39	0.00	54.39
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	998	1042	1244	0	24.39	0.00	24.39
Sub Total WR	5712	6179			141.13	4.38	136.74
Pusauli Bypass/HVDC	-113	-128	0	128	0.00	2.41	-2.41
400 KV MZP- GKP (D/C)	224	462	546	0	9.83	0.00	9.83
400 KV Patna-Balia(D/C) X 2	617	677	905	0	19.42	0.00	19.42
400 KV B'Sharif-Balia (D/C)	117	226	289	0	5.02	0.00	5.02
765 KV Gaya-Balia	263	254	304	0	3.00	0.00	3.00
765 KV Gaya-Varanasi (D/C)	-522	-504	681	0	12.96	0.00	12.96
220 KV Pusauli-Sahupuri	190	259	269	0	4.93	0.00	4.93
132 KV K'nasa-Sahupuri	0	-40	0	50	0.00	0.65	-0.65
132 KV Son Ngr-Rihand	4	-26	0	30	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	72	102	192	0	2.85	0.00	2.85
400 KV Barh -GKP (D/C)	540	590	590	0	12.30	0.00	12.30
400 kV B'Sharif - Varanasi (D/C)	-174	-80	334	0	4.21	0.00	4.21
Sub Total ER	1218	1792			74.52	3.60	70.92
+/- 800 KV BiswanathChariali-Agra	500	800	768	0.00	14.66	0.00	14.66
Sub Total NER	500	800			14.66	0.00	14.66
Total IR Exch	7430	8771			230.30	7.98	222.32

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
41.11	3.13	44.25	13.81	11.44	11.32	1.53	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
69.38	145.38	214.77	85.58	136.74	222.32	16.20	-8.64	7.56

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	-25	0	32	0	1	-0.58

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	0.96	12.51	65.50	78.29	8.36	0.87	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)		
50.14	18.03	49.72	19.27	49.97	0.045	50.09	49.91	21.71	

VII. 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	410	6:01	404	3:08	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	18:03	401	0:28	0.0	0.0	0.3	0.0	0.3
Bareilly(PG)400kV	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	6:02	403	0:17	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	6:01	397	14:42	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	421	6:02	401	22:08	0.0	0.0	0.1	0.0	0.1
Bawana	400	416	6:02	399	22:07	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	18:02	398	22:09	0.0	0.0	0.3	0.0	0.3
Hissar	400	412	6:01	393	22:11	0.0	0.0	0.0	0.0	0.0
Moga	400	412	6:01	397	22:11	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	6:00	398	19:34	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	419	3:44	406	14:38	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	5:03	401	19:32	0.0	0.0	0.0	0.0	0.0
Wagoora	400	409	3:47	394	20:12	0.0	0.0	0.0	0.0	0.0
Amritsar	400	418	3:33	403	22:12	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	5:57	410	11:25	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	4:13	405	19:33	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	6:03	390	14:40	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 Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	787	18:03	755	0:29	0.0	0.0	0.0	0.0	0.0
Balia	765	798	18:02	766	0:27	0.0	0.0	0.0	0.0	0.0
Moga	765	794	18:02	767	22:11	0.0	0.0	0.0	0.0	0.0
Agra	765	794	18:02	757	22:11	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	6:02	765	22:07	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	18:01	739	0:27	0.0	1.5	0.0	0.0	0.0
Lucknow	765	800	18:02	764	0:29	0.0	0.0	0.0	0.0	0.0
Meerut	765	805	6:02	770	22:09	0.0	0.0	1.0	0.0	1.0
Jhatikara	765	770	0:00	770	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	789	18:03	753	14:42	0.0	0.0	0.0	0.0	0.0
Anta	765	788	17:59	764	22:11	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	17:59	758	22:13	0.0	0.0	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	485.07	585.65	500.87	1127.29	990.98	937.97
Pong	426.72	384.05	399.42	203.01	413.68	622.40	318.34	181.20
Tehri	829.79	740.04	783.60	366.70	786.95	411.00	494.79	537.00
Koteshwar	612.50	598.50	609.88	4.69	610.23	4.69	537.00	510.12
Chamera-I	760.00	748.75	751.67	0.00	0.00	0.00	246.94	181.84
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	506.04	6.51	523.07	9.90	242.82	322.82

* 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	1188	437	0	1024	230	0	25.58	15.18	40.76
Delhi	354	6	0	726	-176	0	16.46	-1.95	14.51
Haryana	1759	264	0	1362	327	0	36.34	4.35	40.69
HP	-1286	-271	0	-1011	-519	0	-26.46	-9.88	-36.33
J&K	-880	-101	0	-653	-15	0	-17.97	-0.81	-18.78
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-194	491	0	-194	349	0	-4.66	11.31	6.65
UP	992	210	0	581	0	0	15.06	1.75	16.81
Uttarakhand	-349	135	0	-349	410	0	-8.39	5.65	-2.73
Total	1584	1172	0	1485	606	0	36.32	25.61	61.93

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1233	976	893	230	0	0
Delhi	836	354	411	-424	0	0
Haryana	1762	1037	373	-263	0	0
HP	-1010	-1287	-264	-577	0	0
J&K	-628	-930	0	-101	0	0
CHD	44	0	0	0	0	0
Rajasthan	-194	-194	499	-47	0	0
UP	992	482	432	0	0	0
Uttarakhand	-348	-350	410	135	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	1.74%
ER	0.00%
Simultaneous	4.86%

(ii)%age of times ATC violated on the inter-regional corridors

WR	22.57%
ER	0.00%
Simultaneous	29.17%

(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:

0.00

XIV. Weather Conditions For 25.07.2016 :

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 :

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.