पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.03.2017

Date of Reporting : 30.03.2017

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
41615	884	42499	49.95	35828	396	36224	49.96	946.80	10.98

* 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	63.41	3.18	0.28	66.86	61.25	60.08	-1.16	126.95	0.00
Haryana	18.47	0.54	0.00	19.01	101.91	102.14	0.23	121.14	0.13
Rajasthan	96.74	1.55	18.17	116.46	73.84	74.34	0.50	190.80	0.00
Delhi	18.15		0.00	18.15	63.01	62.44	-0.57	80.59	0.04
UP	199.08	7.10	0.00	206.18	112.39	113.98	1.59	320.15	0.00
Uttarakhand		8.81	0.00	13.04	22.28	23.04	0.76	36.08	0.49
HP		10.13	4.88	10.13	13.69	15.61	1.92	25.74	0.00
J & K		14.74	0.00	14.74	27.96	26.55	-1.42	41.28	10.32
Chandigarh				0.00	4.15	4.07	-0.07	4.07	0.00
Total	**395.84**	**46.04**	**23.33**	**464.55**	**480.47**	**482.25**	**1.78**	**946.80**	10.98

* 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 (19:00 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	5908	0	-202	-503	4349	0	41	-151	6385	20:00	0
Haryana	5864	0	-38	178	3934	0	-18	181	6228	20:00	339
Rajasthan	7173	0	66	990	7728	0	6	461	8675	8:00	0
Delhi	3808	0	-45	242	2674	0	-10	-365	3930	20:00	0
UP	14133	350	198	-69	13301	0	250	-12	14809	20:00	0
Uttarakhand	1667	75	144	206	1322	0	42	323	1739	7:00	0
HP	1018	0	17	-338	817	0	48	118	1320	8:00	0
J&K	1837	459	101	111	1585	396	-94	75	1995	7:00	499
Chandigarh	207	0	-5	-10	118	0	-15	0	207	19:00	0
Total	**41615**	**884**	**236**	**807**	**35828**	**396**	**251**	**630**	**44575**	**20:00**	**1037**

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

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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	1840	1984	2006	43.96	1832	44.10	-0.14
	Rihand I STPS (2*500)	1000	923	992	1005	21.71	905	21.68	0.03
	Rihand II STPS (2*500)	1000	951	1023	1006	22.65	944	22.25	0.40
	Rihand III STPS (2*500)	1000	958	994	1023	22.56	940	22.42	0.14
	Dadri I STPS (4*210)	840	815	593	474	12.20	508	12.10	0.10
	Dadri II STPS (2*490)	980	490	387	360	9.25	385	8.89	0.36
	Unchahar I TPS (2*210)	420	407	320	306	7.92	330	7.82	0.10
	Unchahar II TPS (2*210)	420	405	338	306	7.73	322	7.50	0.23
	Unchahar III TPS (1*210)	210	203	169	154	3.99	166	3.79	0.20
	ISTPP (Jhajjhar) (3*500)	1500	1440	900	628	18.74	781	17.46	1.28
	Dadri GPS (4*130.19+2*154.51)	830	409	337	273	7.77	324	7.27	0.50
	Anta GPS (3*88.71+1*153.2)	419	258	0	0	0.00	0	0.14	-0.14
	Auraiya GPS (4*111.19+2*109.30)	663	643	0	0	0.00	0	0.14	-0.14
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.05	2	0.04	0.00
	KHEP(4*200)	800	872	0	0	0.00	0	2.62	-2.62
	Sub Total (A)	**12112**	**10619**	**8037**	**7541**	**179**	**7442**	**178**	**0.31**
B. NPC	NAPS (2*220)	440	397	423	436	9.42	393	9.53	-0.11
	RAPS- B (2*220)	440	367	408	413	8.75	365	8.81	-0.06
	RAPS- C (2*220)	440	210	230	233	4.82	201	5.04	-0.22
	Sub Total (B)	**1320**	**974**	**1061**	**1082**	**23.00**	**958**	**23.38**	**-0.38**
C. NHPC	Chamera I HPS (3*180)	540	541	554	0	11.34	472	11.00	0.34
	Chamera II HPS (3*100)	300	301	311	71	3.22	134	3.00	0.22
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	185	124	3.61	151	3.51	0.10
	Salal-HPS (6*115)	690	429	473	457	11.25	469	10.26	0.99
	Tanakpur-HPS (3*31.4)	94	21	30	32	0.64	27	0.51	0.14
	Uri-I HPS (4*120)	480	475	480	481	11.64	485	11.40	0.24
	Uri-II HPS (4*60)	240	237	242	241	5.74	239	5.68	0.06
	Dhauliganga-HPS (4*70)	280	280	280	0	1.91	80	1.89	0.02
	Dulhasti-HPS (3*130)	390	387	401	0	4.93	205	4.75	0.18
	Sewa-II HPS (3*40)	120	124	135	0	3.21	134	2.98	0.24
	Parbati 3 (4*130)	520	260	262	0	0.80	33	0.78	0.02
	Sub Total (C)	**4065**	**3234**	**3352**	**1405**	**58**	**2429**	**56**	**2.54**
D.SJVNL	NJPC (6*250)	1500	1605	1637	0	10.23	426	9.94	0.29
	Rampur HEP (6*68.67)	412	375	372	0	2.76	115	2.64	0.12
	Sub Total (D)	**1912**	**1980**	**2009**	**0**	**12.99**	**541**	**12.58**	**0.41**
E. THDC	Tehri HPS (4*250)	1000	510	508	0	6.52	272	6.50	0.02
	Koteshwar HPS (4*100)	400	125	301	93	3.01	126	3.00	0.01
	Sub Total (E)	**1400**	**635**	**809**	**93**	**9.53**	**397**	**9.50**	**0.03**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	398	662	345	9.99	416	9.55	0.44
	Dehar HPS (6*165)	990	325	495	165	8.08	337	7.80	0.28
	Pong HPS (6*66)	396	14	55	0	0.34	14	0.33	0.01
	Sub Total (F)	**2765**	**737**	**1212**	**510**	**18.42**	**767**	**17.68**	**0.74**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	36	0	0.91	38	0.91	-0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	690	0	5.63	235	5.45	0.18
	Malana Stg-II HPS (2*50)	100	0	0	0	0.30	12	0.35	-0.05
	Shree Cement TPS (2*150)	300	0	291	84	5.47	228	5.60	-0.13
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.27	11	0.26	0.01
	Sub Total (G)	**1662**	**0**	**1017**	**84**	**12.58**	**524**	**12.58**	**0.00**
H. Total Regional Entities (A-G)		**25237**	**18178**	**17497**	**10715**	**313.41**	**13059**	**309.75**	**3.66**

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	0	180	2.85	119
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	204	205	4.54	189
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	25.85	1077
	Talwandi Saboo (3*660)	1980	1600	924	30.21	1259
	Thermal (Total)	**6560**	**3124**	**1969**	63.41	**2642**
	Total Hydro	1000	90	109	3.18	132
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.25	10
	Solar	560	0	0	0.03	1
	Renewable(Total)	**848**	**0**	**0**	**0.28**	**12**
	Total Punjab	**8408**	**3214**	**2078**	**66.86**	**2786**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	529	218	7.81	325
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	534	379	10.66	444
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1063**	**597**	**18.47**	**770**
	Total Hydro	62	25	25	0.54	22
	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**	**1088**	**622**	**19.01**	**792**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	461	501	11.62	484
	suratgarh TPS (6*250)	1500	178	182	4.42	184
	Chabra TPS (4*250)	1000	538	631	14.75	614
	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	169	139	4.28	179
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.37	182
	Barsingsar (NLC) (2*125)	250	214	212	5.17	215
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	400	561	14.08	587
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	410	414	11.47	478
	Kawai(Adani) (2*660)	1320	907	865	26.59	1108
	Thermal (Total)	**8876**	**3471**	**3699**	**96.74**	**4031**
	Total Hydro	550	124	80	1.55	65
	Wind power	4017	161	1117	14.52	605
	Biomass	99	25	25	0.60	25
	Solar	1295	0	0	3.04	127
	Renewable/Others (Total)	5411	186	1142	18.17	757
	Total Rajasthan	**14837**	**3781**	**4921**	**116.46**	**4852**
UP	Anpara TPS (3*210+2*500)	1630	1396	1399	33.00	1375
	Obra TPS (2*50+2*94+5*200)	1194	520	638	14.10	588
	Paricha TPS (2*110+2*220+2*250)	1160	823	819	18.90	788
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	218	227	4.90	204
	Tanda TPS (NTPC) (4*110)	440	393	390	8.98	374
	Roza TPS (IPP) (4*300)	1200	760	558	14.50	604
	Anpara-C (IPP) (2*600)	1200	1069	1071	25.50	1063
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	774	832	19.80	825
	Lalitpur TPS(3*660)	1980	1174	1180	27.50	1146
	Bara(2*660)	1320	586	574	13.90	579
	Thermal (Total)	**12449**	**7713**	**7688**	**181.08**	**7545**
	Vishnuparyag HPS (IPP)(4*110)	440	93	110	2.30	96
	Alaknanada(4*82.5)	330	85	84	1.60	67
	Other Hydro	527	178	173	3.20	133
	Cogeneration	981	750	750	18.00	750
	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**	**8819**	**8805**	**206.18**	**8591**
Uttarakhand	Other Hydro	1250	463	242	8.81	367
	Total Gas	225	89	205	3.94	164
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.29	12
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.29	12
	Total Uttarakhand	1802	552	447	13.04	543
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	126	133	3.30	138
	Pragati Gas Turbine (2x104+ 1x122)	330	145	155	3.65	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	500	499	11.21	467
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**771**	**787**	**18.15**	**756**
	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**	**771**	**787**	**18.15**	**756**
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.03	43
	Malana HPS (IPP) (2*43)	86	0	0	0.41	17
	Other Hydro (>25MW)	372	132	125	3.81	159
	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	199	192	4.88	203
	Renewable(Total)	**486**	**199**	**192**	**4.88**	**203**
	Total HP	**1244**	**331**	**317**	**10.13**	**422**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	441	439	11.87	495
	Other Hydro/IPP(including 98 MW Small Hydro)	308	136	120	2.86	119
	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**	**577**	**559**	**15**	**614**

Total State Control Area Generation	**50078**	**19133**	**18536**	**464.55**	**19356**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**5114**	**5202**	**181.72**	**7572**
Total Regional Availability(Gross)	**75315**	**41744**	**34453**	**959.69**	**39987**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8108**	**2008**	**106.07**	**4420**
State Control Area Hydro	**7163**	**2055**	**1904**	**46.04**	**2095**
Total Regional Hydro	**19397**	**10163**	**3912**	**152.11**	**6514**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**7356**	**385**	**1334**	**23.62**	**984**
Total Regional Renewable	**7386**	**385**	**1334**	**23.74**	**989**

VI(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
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	-500	-300	0	500	0.00	9.42	-9.42
765 KV Gwalior-Agra (D/C)	2199	2387	2718	0	55.73	0.00	55.73
400 KV Zerda-Kankroli	-24	-145	18	153	0.00	2.12	-2.12
400 KV Zerda-Bhinmal	47	-101	92	134	0.00	0.83	-0.83
220 KV Auraiya-Malanpur	-9	-19	0	62	0.00	0.23	-0.23
220 KV Badod-Kota/Morak	60	36	132	0	1.40	0.00	1.40
Mundra-Mohindergarh(HVDC Bipole)	1199	1198	1504	0.00	29.71	0.00	29.71
400 KV RAPPC-Sujalpur	387	270	475	0	8.44	0.00	8.44
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1209	1381	1489	0	31.27	0.00	31.27
+/- 800 kV HVDC Champa-Kurushetra	0	0	600	0	14.09	0.00	14.09
Sub Total WR	**4568**	**4707**			**140.64**	**12.61**	**128.03**
400 kV Sasaram - Varanasi	300	286	305	0	7.29	0.00	7.29
400 kV Sasaram - Allahabad	86	97	106	0	2.26	0.00	2.26
400 KV MZP- GKP (D/C)	-229	-365	548	0	6.81	0.00	6.81
400 KV Patna-Balia(D/C) X 2	621	772	802	0	17.71	0.00	17.71
400 KV B'Sharif-Balia (D/C)	53	112	154	0	2.47	0.00	2.47
765 KV Gaya-Balia	227	202	265	0	5.37	0.00	5.37
765 KV Gaya-Varanasi (D/C)	267	306	436	0	8.00	0.00	8.00
220 KV Pusauli-Sahupuri	186	168	188	0	3.85	0.00	3.85
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-22	0	27	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-163	-166	0	252	0.00	3.71	-3.71
400 KV Barh -GKP (D/C)	-396	-452	512	0	11.37	0.00	11.37
400 kV B'Sharif - Varanasi (D/C)	118	57	8	118	0.00	1.41	-1.41
Sub Total ER	**1046**	**995**			**65.13**	**5.72**	**59.41**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	5.72	-5.72
Sub Total NER	**-500**	**-500**			**0.00**	**5.72**	**-5.72**
Total IR Exch	**5114**	**5202**			**205.77**	**24.05**	**181.72**

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**
40.28	0.53	40.81	-6.28	-0.11	-0.03	17.10	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**
34.50	155.04	189.54	53.69	128.03	181.72	19.19	-27.01	-7.82

VI(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
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-35	-33	0	36	0	1	-0.77

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	0.90	9.51	61.89	76.91	10.35	3.34	0.34	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)	
50.25	13.02	49.76	12.22	49.98	0.049	0.067	50.16	49.85	23.09

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	405	13:04	401	9:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	412	13:02	393	19:22	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	0:00	394	10:50	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	1:03	398	19:29	0.0	0.0	0.0	0.0	0.0
Dadri	400	419	2:01	399	12:17	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	420	2:01	400	10:24	0.0	0.0	0.0	0.0	0.0
Bawana	400	421	2:18	400	12:18	0.0	0.0	0.2	0.0	0.2
Bassi	400	422	4:00	404	19:22	0.0	0.0	0.9	0.0	0.9
Hissar	400	419	1:04	399	12:17	0.0	0.0	0.0	0.0	0.0
Moga	400	420	1:11	400	12:13	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	424	1:04	403	12:13	0.0	0.0	12.7	0.0	12.7
Nalagarh	400	427	1:11	405	12:18	0.0	0.0	25.9	0.0	25.9
Kishenpur	400	421	3:49	400	19:22	0.0	0.0	0.4	0.0	0.4
Wagoora	400	401	3:48	378	19:16	5.1	71.6	0.0	0.0	5.1
Amritsar	400	424	2:57	401	10:49	0.0	0.0	12.3	0.0	12.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	407	0:00	407	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	0:00	394	10:42	0.0	0.0	0.0	0.0	0.0

VIII(B). 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	773	1:04	743	19:28	0.0	0.0	0.0	0.0	0.0
Balia	765	786	16:07	755	19:49	0.0	0.0	0.0	0.0	0.0

Moga	765	801	1:04	765	12:18	0.0	0.0	0.0	0.0	0.0
Agra	765	787	13:02	759	19:09	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	1:10	771	12:20	0.0	0.0	4.8	0.0	4.8
Unnao	765	765	1:05	740	19:50	0.0	0.4	0.0	0.0	0.0
Lucknow	765	783	1:09	752	19:48	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	1:03	768	12:18	0.0	0.0	1.0	0.0	1.0
Jhatikara	765	800	1:04	768	12:17	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	787	1:04	753	10:50	0.0	0.0	0.0	0.0	0.0
Anta	765	795	2:02	773	19:26	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. 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	464.44	186.89	480.72	474.82	233.67	339.12
Pong	426.72	384.05	396.62	151.67	396.52	151.67	70.42	25.63
Tehri	829.79	740.04	763.70	151.83	754.95	84.00	79.51	198.00
Koteshwar	612.50	598.50	610.78	4.95	610.90	4.95	198.00	198.50
Chamera-I	760.00	748.75	751.63	0.00	0.00	0.00	148.48	306.81
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	506.78	0.74	496.24	2.24	245.84	38.39

*** 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	-151	0	0	0	-503	0	-2.13	-2.91	-5.03
Delhi	-381	15	0	-346	588	0	-5.62	5.99	0.38
Haryana	-204	385	0	-136	314	0	-3.79	7.35	3.56
HP	162	-45	0	10	-349	0	3.28	-4.74	-1.46
J&K	176	-101	0	176	-65	0	4.22	-1.26	2.96
CHD	0	0	0	0	-10	0	0.00	-0.09	-0.09
Rajasthan	27	434	0	23	967	0	0.61	13.49	14.09
UP	88	-100	0	31	-100	0	0.15	-2.40	-2.25
Uttarakhand	73	250	0	0	206	0	1.61	4.96	6.57
Total	**-209**	**839**	**0**	**-241**	**1048**	**0**	**-1.67**	**20.39**	**18.72**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-151	0	-906	0	0
Delhi	-119	-387	588	-25	0	0
Haryana	-135	-205	388	-155	0	0
HP	225	10	-42	-803	0	0
J&K	176	176	60	-342	0	0
CHD	0	0	30	-30	0	0
Rajasthan	34	16	1056	341	0	0
UP	96	-74	-100	-100	0	0
Uttarakhand	105	0	313	76	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%**

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	4	34
Haryana	0	10
Rajasthan	4	38
Delhi	2	28
UP	0	12
Uttarakhand	1	24
HP	4	39
J & K	3	25
Chandigarh	4	40

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.03.2017 :

XVI. Synchronisation of new generating units :

First time charging of 220kV Sayala Bay No.213 and 214 at bhinmal at 02:03 and 02:01 Hrs respectively on 30.03.17.

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 : 29.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER