पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.04.2017

Date of Reporting : 27.04.2017

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
44940	542	45483	49.91	41111	249	41360	49.98	971.36	9.15

* 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	39.42	10.25	0.25	49.92	77.67	77.83	0.16	127.74	0.00
Haryana	38.46	0.50	0.00	38.96	96.66	95.74	-0.91	134.70	0.00
Rajasthan	79.57	0.14	35.10	114.81	62.35	62.08	-0.27	176.89	0.00
Delhi	21.51		0.00	21.51	78.84	77.20	-1.64	98.71	0.03
UP	192.27	10.49	0.00	202.76	125.56	125.73	0.17	328.49	0.00
Uttarakhand		13.72	0.00	18.87	18.20	18.25	0.05	37.12	0.86
HP		14.92	5.86	14.92	10.10	12.53	2.42	27.44	0.00
J & K		19.59	0.00	19.59	16.14	15.63	-0.51	35.21	8.26
Chandigarh				0.00	5.35	5.06	-0.29	5.06	0.00
Total	**371.24**	**69.59**	**41.21**	**481.32**	**490.87**	**490.05**	**-0.82**	**971.36**	9.15

* 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				Maximum Demand Met (MW) and Time(Hrs)		Shortage (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	5822	0	10	-48	5660	0	53	451	6280	7	0
Haryana	6324	0	-248	137	6159	0	99	458	7302	24	0
Rajasthan	7395	0	-620	301	7411	0	-105	387	8509	24	0
Delhi	4237	0	-120	-267	4073	0	45	-233	4854	17	0
UP	16152	0	-579	1671	13777	0	239	1005	16823	21	260
Uttarakhand	1751	80	36	153	1513	0	-14	93	1751	20	80
HP	1177	0	50	-948	931	0	71	-580	1340	13	0
J&K	1850	462	219	-401	1413	249	76	-657	1868	22	467
Chandigarh	232	0	-21	0	174	0	3	0	251	15	0
Total	**44940**	**542**	**-1273**	**598**	**41111**	**249**	**468**	**924**	**46826**	**24**	**778**

* 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	1625	1447	1733	38.00	1583	37.27	0.73
	Rihand I STPS (2*500)	1000	924	920	1004	21.55	898	21.03	0.52
	Rihand II STPS (2*500)	1000	480	510	511	11.40	475	10.85	0.55
	Rihand III STPS (2*500)	1000	475	471	495	11.07	461	10.61	0.47
	Dadri I STPS (4*210)	840	815	829	611	14.48	603	14.81	-0.34
	Dadri II STPS (2*490)	980	980	885	696	17.81	742	18.45	-0.63
	Unchahar I TPS (2*210)	420	360	354	272	6.84	285	6.99	-0.16
	Unchahar II TPS (2*210)	420	404	402	329	7.57	316	7.75	-0.18
	Unchahar III TPS (1*210)	210	0	0	0	0.00	0	0.00	0.00
	Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1440	1005	641	18.47	770	18.20	0.27
	Dadri GPS (4*130.19+2*154.51)	830	761	137	138	3.25	135	3.31	-0.06
	Anta GPS (3*88.71+1*153.2)	419	383	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	429	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	872	387	218	7.45	310	7.00	0.45
	Sub Total (A)	**12772**	**9952**	**7347**	**6648**	**158**	**6584**	**156**	**1.62**
B. NPC	NAPS (2*220)	440	385	429	438	9.33	389	9.24	0.09
	RAPS- B (2*220)	440	362	402	408	8.75	365	8.69	0.06
	RAPS- C (2*220)	440	271	402	238	6.25	261	6.51	-0.25
	Sub Total (B)	**1320**	**1018**	**1233**	**1084**	**24.34**	**1014**	**24.43**	**-0.10**
C. NHPC	Chamera I HPS (3*180)	540	535	554	549	13.20	550	12.83	0.37
	Chamera II HPS (3*100)	300	301	307	208	5.50	229	5.15	0.35
	Chamera III HPS (3*77)	231	227	160	160	3.85	160	3.72	0.13
	Bairasuil HPS(3*60)	180	179	185	183	3.88	162	3.78	0.10
	Salal-HPS (6*115)	690	541	565	554	13.84	577	13.00	0.84
	Tanakpur-HPS (3*31.4)	94	37	40	40	1.01	42	0.88	0.13
	Uri-I HPS (4*120)	480	475	479	480	11.54	481	11.40	0.14
	Uri-II HPS (4*60)	240	237	238	241	5.72	238	5.69	0.03
	Dhauliganga-HPS (4*70)	280	280	280	70	3.13	130	2.75	0.38
	Dulhasti-HPS (3*130)	390	387	406	398	9.36	390	9.30	0.06
	Sewa-II HPS (3*40)	120	126	132	130	3.11	130	3.02	0.09
	Parbati 3 (4*130)	520	390	377	0	1.17	49	1.17	0.00
	Sub Total (C)	**4065**	**3715**	**3723**	**3013**	**75**	**3137**	**73**	**2.59**
D.SJVNL	NJPC (6*250)	1500	1605	1362	759	23.54	981	23.29	0.25
	Rampur HEP (6*68.67)	412	442	370	216	6.70	279	6.49	0.21
	Sub Total (D)	**1912**	**2047**	**1732**	**975**	**30.23**	**1260**	**29.78**	**0.45**
E. THDC	Tehri HPS (4*250)	1000	462	458	0	5.99	250	5.90	0.09
	Koteshwar HPS (4*100)	400	120	302	92	2.94	122	2.88	0.06
	Sub Total (E)	**1400**	**582**	**760**	**92**	**8.93**	**372**	**8.78**	**0.15**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	454	927	357	11.61	484	10.89	0.72
	Dehar HPS (6*165)	990	423	660	330	10.34	431	10.16	0.18
	Pong HPS (6*66)	396	62	275	0	1.49	62	1.50	-0.01
	Sub Total (F)	**2765**	**940**	**1862**	**687**	**23.44**	**976**	**22.55**	**0.88**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	103	0	1.38	58	1.44	-0.06
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	826	528	13.10	546	12.87	0.23
	Malana Stg-II HPS (2*50)	100	0	104	25	0.70	29	0.69	0.01
	Shree Cement TPS (2*150)	300	0	137	145	2.99	124	2.81	0.17
	Budhil HPS(IPP) (2*35)	70	0	36	36	0.85	36	0.90	-0.05
	Sub Total (G)	**1662**	**0**	**1206**	**734**	**19.02**	**793**	**18.71**	**0.31**
H. Total Regional Entities (A-G)		**25897**	**18254**	**17863**	**13234**	**339.27**	**14136**	**333.36**	**5.91**

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	420	420	8.15	340
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	120	2.41	101
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	696	718	14.69	612
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	660	660	14.17	590
	Talwandi Saboo (3*660)	1980	0	0	0.00	0
	Thermal (Total)	**6560**	**1896**	**1918**	39.42	**1643**
	Total Hydro	1000	498	412	10.25	427
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.19	8
	Solar	560	0	0	0.06	3
	Renewable(Total)	**848**	**0**	**0**	**0.25**	**10**
	Total Punjab	**8408**	**2394**	**2330**	**49.92**	**2080**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	462	440	10.68	445
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	764	754	18.40	767
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	380	377	9.38	391
	Thermal (Total)	**4497**	**1606**	**1571**	**38.46**	**1603**
	Total Hydro	62	16	18	0.50	21
	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**	**1622**	**1589**	**38.96**	**1623**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	466	624	13.23	551
	suratgarh TPS (6*250)	1500	179	181	4.49	187
	Chabra TPS (4*250)	1000	747	821	18.41	767
	Chabra TPS (1*660)	660	0	0	0.00	0
	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	193	4.69	195
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	200	215	4.76	198
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	448	449	10.34	431
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	846	403	12.57	524
	Kawai(Adani) (2*660)	1320	442	447	11.09	462
	Thermal (Total)	**9536**	**3514**	**3333**	**79.57**	**3315**
	Total Hydro	550	20	22	0.14	6
	Wind power	4017	1419	1518	31.39	1308
	Biomass	99	25	25	0.61	25
	Solar	1295	0	0	3.10	129
	Renewable/Others (Total)	5411	1444	1543	35.10	1463
	Total Rajasthan	**15497**	**4978**	**4898**	**114.81**	**4784**
UP	Anpara TPS (3*210+2*500)	1630	1393	1369	32.48	1353
	Obra TPS (2*50+2*94+5*200)	1194	662	485	13.57	565
	Paricha TPS (2*110+2*220+2*250)	1160	898	644	16.89	704
	Panki TPS (2*105)	210	135	135	3.37	140
	Harduaganj TPS (1*60+1*105+2*250)	665	352	413	10.31	430
	Tanda TPS (NTPC) (4*110)	440	282	295	6.03	251
	Roza TPS (IPP) (4*300)	1200	1125	746	20.36	848
	Anpara-C (IPP) (2*600)	1200	779	774	18.54	773
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	282	282	7.25	302
	Anpara-D(2*500)	1000	823	855	19.54	814
	Lalitpur TPS(3*660)	1980	1184	875	21.92	914
	Bara(2*660)	1320	571	573	12.41	517
	Thermal (Total)	**12449**	**8486**	**7446**	**182.67**	**7611**
	Vishnuparyag HPS (IPP)(4*110)	440	216	231	5.55	231
	Alaknanada(4*82.5)	330	84	84	2.23	93
	Other Hydro	527	60	138	2.71	113
	Cogeneration	981	400	400	9.60	400
	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**	**9246**	**8299**	**202.76**	**8448**
Uttarakhand	Other Hydro	1250	699	596	13.72	572
	Total Gas	225	93	191	4.55	189
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.60	25
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.60	25
	Total Uttarakhand	**1802**	**792**	**787**	**18.87**	**786**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	71	1.79	75
	Pragati Gas Turbine (2x104+ 1x122)	330	259	262	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	6.04	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	327	339	7.30	304
	Thermal (Total)	**2917**	**908**	**922**	**21.51**	**896**
	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**	**908**	**922**	**21.51**	**896**
HP	Baspa HPS (IPP) (3*100)	300	170	57	2.69	112
	Malana HPS (IPP) (2*43)	86	72	20	0.70	29
	Other Hydro (>25MW)	372	254	199	5.67	236
	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	260	253	5.86	244
	Renewable(Total)	**486**	**260**	**253**	**5.86**	**244**
	Total HP	**1244**	**756**	**529**	**14.92**	**622**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	737	741	17.75	740
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	66	1.84	77
	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**	**831**	**807**	**20**	**816**
Total State Control Area Generation		**50738**	**21527**	**20161**	**481.32**	**20055**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7318**	**7907.97**	**153.61**	**6401**
Total Regional Availability(Gross)		**76635**	**46708**	**41303**	**974.20**	**40592**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9497**	**5539**	**160.52**	**6688**
State Control Area Hydro	**7163**	**3273**	**3028**	**69.59**	**3114**
Total Regional Hydro	**19397**	**12770**	**8566**	**230.11**	**9802**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.14**	**6**
State Control Area Renewable	**7356**	**1704**	**1796**	**41.80**	**1742**
Total Regional Renewable	**7386**	**1704**	**1796**	**41.94**	**1748**

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-500	-300	0	500	0.00	10.03	-10.03
765 KV Gwalior-Agra (D/C)	2670	2407	2670	0	45.04	0.00	45.04
400 KV Zerda-Kankroli	-148	-178	0	354	0.00	5.93	-5.93
400 KV Zerda-Bhinmal	-119	-84	84	347	0.00	5.03	-5.03
220 KV Auraiya-Malanpur	-35	-13	0	93	0.00	0.97	-0.97
220 KV Badod-Kota/Morak	-14	38	44	60	0.00	0.49	-0.49
Mundra-Mohindergarh(HVDC Bipole)	2298	1998	2307	0	51.54	0.00	51.54
400 KV RAPPC-Sujalpur	186	131	210	0	2.38	0.00	2.38
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	764	1234	1234	0	22.99	0.00	22.99
+/- 800 kV HVDC Champa-Kurushetra	1500	1395	1500	0	31.37	0	31.37
Sub Total WR	**6602**	**6628**			**153.31**	**22.45**	**130.86**
400 kV Sasaram - Varanasi	110	119	131	0	2.82	0.00	2.82
400 kV Sasaram - Allahabad	37	26	46	0	0.66	0.00	0.66
400 KV MZP- GKP (D/C)	81	431	431	252	5.54	0.00	5.54
400 KV Patna-Balia(D/C) X 2	596	694	734	0	15.48	0.00	15.48
400 KV B'Sharif-Balia (D/C)	111	126	194	0	2.11	0.00	2.11
765 KV Gaya-Balia	346	229	346	0	4.16	0.00	4.16
765 KV Gaya-Varanasi (D/C)	-441	-355	0	478	0.00	7.06	-7.06
220 KV Pusauli-Sahupuri	218	198	231	0	4.74	0.00	4.74
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-31	0	38	0.00	0.73	-0.73
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-356	-104	23	356	0.00	2.52	-2.52
400 KV Barh -GKP (D/C)	534	476	534	0	9.92	0.00	9.92
400 kV B'Sharif - Varanasi (D/C)	6	-29	221	56	0.00	0.34	-0.34
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1216**	**1780**			**45.41**	**10.65**	**34.77**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	12.01	-12.01
Sub Total NER	**-500**	**-500**			**0.00**	**12.01**	**-12.01**
Total IR Exch	**7318**	**7908**			**198.73**	**45.11**	**153.61**

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
43.62	1.33	44.94	0.73	-1.03	-10.72	1.03	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
34.95	138.92	173.87	22.75	130.86	153.61	-12.20	-8.06	-20.26

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-27	-28	0	33	0	1	-0.65

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	0.88	19.26	70.26	72.85	6.05	1.86	0.01	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			(Hz)	(Hz)	
50.22	10.01	49.76	21.25	49.96	0.062	0.068	50.09	49.83	27.15

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	409	6:42	401	19:15	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	13:03	391	19:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	6:02	389	19:36	0.0	0.3	0.0	0.0	0.0
Kanpur	400	416	6:02	399	22:08	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	6:01	401	23:02	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	417	6:03	398	23:04	0.0	0.0	0.0	0.0	0.0

Bawana	400	416	6:03	397	23:04	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	17:59	409	0:04	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	13:02	394	23:04	0.0	0.0	0.0	0.0	0.0
Moga	400	415	13:01	402	19:41	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	415	13:02	398	19:38	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	13:08	407	23:08	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	13:02	399	20:12	0.0	0.0	0.0	0.0	0.0
Wagoora	400	405	13:00	369	20:21	18.9	36.1	0.0	0.0	18.9
Amritsar	400	420	13:02	407	23:04	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	408	0:00	407	7:08	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	6:05	386	19:36	0.0	2.1	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	787	13:03	753	22:09	0.0	0.0	0.0	0.0	0.0
Balia	765	791	7:01	752	19:39	0.0	0.0	0.0	0.0	0.0
Moga	765	794	13:03	764	23:04	0.0	0.0	0.0	0.0	0.0
Agra	765	791	8:04	755	23:03	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	2:38	764	23:04	0.0	0.0	0.0	0.0	0.0
Unnao	765	778	6:45	742	19:36	0.0	0.0	0.0	0.0	0.0
Lucknow	765	799	6:07	745	19:38	0.0	0.0	0.0	0.0	0.0
Meerut	765	799	6:01	762	23:04	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	797	6:43	761	23:03	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	796	6:07	744	19:38	0.0	0.0	0.0	0.0	0.0
Anta	765	793	13:03	772	22:08	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	18:00	764	22:09	3.7	3.7	0.0	0.0	3.7

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	470.29	272.43	476.70	387.82	767.67	409.38
Pong	426.72	384.05	396.66	151.67	394.56	116.59	65.64	110.44
Tehri	829.79	740.04	754.70	81.89	742.25	36.33	88.66	197.00
Koteshwar	612.50	598.50	610.91	4.95	607.81	3.57	197.00	193.98
Chamera-I	760.00	748.75	755.30	0.00	0.00	0.00	302.02	0.00
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	516.17	4.00	498.53	2.33	317.92	187.12

*** 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	-48	499	0	-48	0	0	-1.15	5.30	4.15
Delhi	-268	36	0	-213	-54	0	-4.50	3.50	-1.00
Haryana	149	309	0	149	-12	0	1.17	1.98	3.15
HP	-316	-263	0	-140	-808	0	-3.49	-13.46	-16.95
J&K	-162	-496	0	-162	-240	0	-3.88	-8.47	-12.35
CHD	0	0	0	0	0	0	0.00	0.51	0.51
Rajasthan	-8	395	0	-8	309	0	-0.19	8.78	8.59
UP	1073	-68	0	1169	502	0	11.14	0.99	12.13
Uttarakhand	120	-27	0	157	-4	0	3.19	-0.95	2.24
Total	**540**	**384**	**0**	**903**	**-305**	**0**	**2.29**	**-1.82**	**0.47**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-48	-48	699	0	0	0
Delhi	-44	-268	646	-346	0	0
Haryana	149	-51	325	-420	0	0
HP	-40	-377	-263	-1055	0	0
J&K	-162	-162	-215	-496	0	0
CHD	0	0	84	-20	0	0
Rajasthan	-8	-8	395	234	0	0
UP	1169	76	1289	-68	0	0
Uttarakhand	287	115	25	-297	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	2	14
Haryana	1	13
Rajasthan	1	24
Delhi	4	45
UP	2	18
Uttarakhand	2	16
HP	3	36
J & K	4	42
Chandigarh	4	16

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.04.2017 :

XVI. Synchronisation of new generating units :

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 : 26.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER