

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)	1260	1255	1260	28	1163
	Guru Nanak Dev TPS(Bhatinda)	440	331	329	7	294
	Guru Hargobind Singh TPS(L.mbt)	920	916	926	20	833
	Goindwal(GVK)		0	0	0	0
	Rajpura	700	377	365	8	329
	Talwandi Saboo	660	390	497	10.26	428
	Thermal (Total)	3980	3269	3377	73	3047
	Total Hydro	1148	931	931	21.50	896
	Total Punjab	5128	4200	4308	94.63	3943
Haryana	Panipat TPS	1367	535	512	12.55	523
	DCRTPP (Yamuna nagar)	600	526	532	12.47	520
	Faridabad GPS (NTPC)	432	367	395	8.73	364
	RGTPP (khedar) (IPP)	1200	574	459	12.00	500
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP)	1320	1127	740	21.63	901
	Thermal (Total)	4944	3129	2638	67	2807
	Total Hydro	62	25	25	0.60	25
	Total Haryana	5006	3154	2663	67.97	2832
Rajasthan	kota TPS	1240	902	922	21.45	894
	suratgarh TPS	1500	1218	1205	29.03	1210
	Chabra TPS	750	551	473	13.18	549
	Dholpur GPS	330	74	104	2.11	88
	Ramgarh GPS	221	94	73	2.85	119
	RAPS A (NPC)	300	170	170	4.14	173
	Barsingsar (NLC)	250	97	94	1.97	82
	Giral LTPS	250	67	67	1.41	59
	Rajwest LTPS (IPP)	1080	642	728	17.94	748
	VSLP LTPS (IPP)	135	0	0	0.00	0
	Kalisindh Thermal	600	0	0	0.00	0
	Kawai(Adani)	1320	97	954	24.38	1016
	Thermal (Total)	7976	3912	4790	118	4936
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	796	956	21.86	911
	Biomass	99	42	42	1.00	42
	Solar	730	0	0	0.50	21
Renewable/Others (Total)	3627	838	998	23	973	
Total Rajasthan	12153	4750	5788	141.83	5909	
UP	Anpara TPS	1630	1465	1447	30.70	1279
	Obra TPS	1288	854	568	12.40	517
	Paricha TPS	1140	365	618	9.10	379
	Panki TPS	210	175	170	3.70	154
	Harduaganj TPS	665	430	426	9.20	383
	Tanda TPS (NTPC)	440	278	280	6.81	284
	Roza TPS (IPP)	1200	1094	1107	24.93	1039
	Anpara-C (IPP)	1200	985	986	23.50	979
	Bajaj Energy Pvt.Ltd(IPP) TPS	450	401	401	7.57	315
	Thermal (Total)	8223	6047	6003	128	5329
	Vishnuparyag HPS (IPP)	400	396	0	5.50	229
	Other Hydro	527	93	145	2.85	119
	Cogeneration	981	50	50	1.20	50
	Total UP	10131	6586	6198	137.46	5498
Uttarakhand	Total Hydro	1303	732	736	17.50	729
	Total Uttarakhand	1303	732	736	17.50	729
Delhi	Rajghat TPS	135	25	92	2.17	90
	Delhi Gas Turbine	282	40	164	3.79	158
	Pragati Gas Turbine	330	274	285	6.81	284
	Rithala GPS	95	0	0	0.00	0
	Bawana GPS	1370	447	455	10.70	446
	Badarpur TPS (NTPC)	705	389	383	9.79	408
	Thermal (Total)	2917	1175	1379	33.26	1386
	Total Delhi	2917	1175	1379	33.26	1386
HP	Baspa HPS (IPP)	300	305	305	7.46	311
	Malana HPS (IPP)	86	103	103	2.47	103
	Other Hydro	728	599	617	14.64	610
	Total HP	1114	1007	1025	24.58	1024
J & K	Baglihar HPS (IPP)	450	440	440	10.56	440
	Other Hydro/IPP	436	93	44	0.00	0
	Gas/Diesel/Others	209	0	0	0.00	0
	Total J & K	1094	533	484	10.56	440
Total State Control Area Generation		38846	22137	22581	527.77	21761
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5722	6209	140.46	5852
Total Regional Availability(Gross)		63067	47431	46944	1098.54	45543

IV. Total Hydro Generation:

Regional Entities Hydro	11233	9280	8462	207.55	8648
State Control Area Hydro	5589	3321	3346	83.08	3232
Total Regional Hydro	16823	12601	11808	290.63	11880

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	
Vindhychal B/B	150	500	500	0	10.15	0.00	10.15
Gwalior-Agra (D/C)	1903	1722	2163	0	39.21	0.00	39.21
Zerda-Kankroli	-229	-220	0	392	0.00	6.35	-6.35
Zerda-Bhinmal	-20	-208	0	376	0.00	5.95	-5.95
Malanpur-Auraiya	87	19	96	0	1.23	0.00	1.23
Badod-Kota/Morak	-75	-58	0	130	0.00	1.70	-1.70
Mundra-Mohindergarh(HVDC)	2002	2297	2305	0	51.22	0.00	51.22
Sub Total WR	3818	4052			101.81	14.00	87.81
Pusaali Bypass	200	400	400	0	7.30	0.00	7.30
MZP- GKP (D/C)	512	524	886	0	13.68	0.00	13.68
Patna-Balia(D/C)	488	553	688	0	12.55	0.00	12.55
B'Sharif-Balia (D/C)	358	446	532	0	10.95	0.00	10.95
Pusaali-Balia	-27	8	24	36	0.00	0.07	-0.07
Gaya-Fatehpur (765 Kv)	0	0	0	0	0.00	0.00	0.00
Pusaali-Sahupuri	159	171	201	0	3.92	0.00	3.92
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	214	55	422	52	4.32	0.00	4.32
Sub Total ER	1904	2157			52.72	0.07	52.65
Total IR Exch	5722	6209			154.53	14.07	140.46

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
37.77	1.63	39.40	19.87	4.36	-7.26	17.15	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	Through WR	Total	Through ER	Through WR	Total
52.01	79.52	131.53	52.65	87.81	140.46	0.64	8.29	8.93

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	1.55	7.23	20.43	46.62	48.70	18.39	11.52	1.49	0.00

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN
Freq	Time	Freq	Time	Hz	Index			
50.33	6.07	49.65	14.28	49.99	0.13	0.11	50.34	49.79

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Rihand	400	405	19:01	397	15:49	0.7	0.7	0.0	0.0
Gorakhpur	400	434	08:39	406	22:16	0.0	0.0	74.2	5.4
Bareilly	400	413	08:36	390	22:19	0.0	0.0	0.0	0.0
Kanpur	400	415	19:03	394	22:16	0.0	0.0	0.0	0.0
Dadri	400	410	18:56	392	14:22	0.0	0.0	0.0	0.0
Ballabgarh	400	418	18:59	395	15:51	0.0	0.0	0.0	0.0
Bawana	400	413	18:59	394	14:26	0.0	0.0	0.0	0.0
Bassi	400	422	18:57	397	15:46	0.0	0.0	1.3	0.0
Hissar	400	407	18:54	387	22:16	0.0	1.3	0.0	0.0
Moga	400	409	08:04	396	10:44	0.0	0.0	0.0	0.0
Abdullapur	400	411	08:48	396	14:25	0.0	0.0	0.0	0.0
Nalagarh	400	404	05:07	389	10:46	0.0	0.0	0.0	0.0
Kishenpur	400	407	03:41	398	10:43	2.7	2.7	0.0	0.0
Wagoora	400	401	03:00	392	08:00	0.0	9.6	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV
Fatehpur	765	772	19:03	726	22:17	0.4	13.3	0.0	0.0
Balia	765	784	08:41	734	22:18	0.0	1.0	0.0	0.0
Moga	765	798	18:59	768	22:14	0.0	0.0	0.0	0.0
Agra	765	791	19:03	744	22:16	0.0	0.0	0.0	0.0
Bhiwani	765	792	19:00	755	13:42	0.0	0.0	0.0	0.0
Unnao	765	755	08:39	715	22:18	9.3	66.4	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	484.99	585.65	486.54	627.57	1474.00	728.65
Pong	426.72	384.05	401.75	259.17	402.44	273.51	446.27	387.49
Tehri	829.79	740.04	745.35	25.73	NA	NA	224.93	171.00
Koteshwar	612.50	598.50	610.82	4.95	608.40	3.98	432.00	281.00
Chamera-I	760.00	748.75	744.01	12.81	NA	NA	390.26	349.36
Rihand	268.22	252.98	258.07	205.10	256.79	149.00	NA	NA
RPS	352.80	343.81	348.06	NA	NA	NA	NA	NA
Jawahar Sagar	298.70	295.78	298.80	NA	NA	NA	NA	NA
RSD	527.91	487.91	516.64	144.00	506.65	144.00	224.47	197.51

* NA: Not Available

X. System Constraints:

XI. Grid Disturbance / Any Other Significant Event:

XII. Weather Conditions For 20.06.2014 :

1. Hot & Humid weather.

XIII. Synchronisation of new generating units :

0.00

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

XV. Tripping of lines in pooling stations :

XVI. Complete generation loss in a generating station :

Report for : 20.06.2014

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER