

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	320	480	9.82	409
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.96	82
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	203	203	4.37	182
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	721	814	23.57	982
	Talwandi Saboo (1*660)	660	368	355	7.53	314
	Thermal (Total)	4700	1702	1942	47.26	1969
Total Hydro	1000	420	409	9.98	416	
Total Punjab	5700	2122	2351	57.24	2385	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	653	409	14.12	588
	DCRTPP (Yamuna nagar) (2*300)	600	558	455	11.75	489
	Faridabad GPS (NTPC)	432	164	150	4.10	171
	RGTTP (khedar) (IPP) (2*600)	1200	1141	761	23.72	988
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	573	383	10.89	454
	Thermal (Total)	4944	3089	2158	64.57	2690
	Total Hydro	62	24	24	0.56	23
	Total Haryana	5006	3113	2182	65.13	2714
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	890	867	20.88
suratgarh TPS (6*250)		1500	952	949	23.77	990
Chabra TPS (4*250)		1000	202	431	7.42	309
Dholpur GPS (3*110)		330	0	43	0.16	7
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	208	209	5.25	219
RAPS A (NPC) (1*100+1*200)		300	160	160	3.95	165
Barsingar (NLC) (2*125)		250	171	166	3.92	163
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	718	823	17.92	747
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	1104	1080	25.66	1069
Kawai(Adani) (2*660)		1320	1219	1150	29.30	1221
Thermal (Total)		8876	5624	5878	138	5759
Total Hydro		550	246	122	3.40	142
Wind power		3214	78	231	2.42	101
Biomass		99	24	24	0.57	24
Solar		730	1	0	0.28	12
Renewable/Others (Total)		4043	103	255	3.27	136
Total Rajasthan		13469	5973	6255	144.90	6037
UP		Anpara TPS (3*210+2*500)	1630	1357	1368	31.50
	Obra TPS (2*50+2*94+5*200)	1194	446	274	8.20	342
	Paricha TPS (2*110+2*220+2*250)	1140	640	617	15.30	638
	Panki TPS (2*105)	210	54	54	1.30	54
	Harduaganj TPS (1*60+1*105+2*250)	665	504	444	12.30	513
	Tanda TPS (NTPC) (4*110)	440	373	370	8.71	363
	Roza TPS (IPP) (4*300)	1200	1107	1098	26.60	1108
	Anpara-C (IPP) (2*600)	1200	1071	1088	21.90	913
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	405	9.60	400
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	392	392	9.40	392
	Thermal (Total)	9289	6349	6110	145	6034
	Vishnuparyag HPS (IPP)(4*110)	440	231	212	5.20	217
	Alakanada(4*82.5)	330	82	117	2.70	113
	Other Hydro	527	255	232	4.60	192
	Cogeneration	981	100	100	2.40	100
	Total UP	11567	7017	6771	160	6655
Uttarakhand	Total Hydro	1398	737	593	15.04	627
	Total Uttarakhand	1398	737	593	15.04	627
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	149	151	3.60	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.55	148
	Thermal (Total)	2917	601	602	14.08	587
	Total Delhi	2917	601	602	14.08	587
HP	Baspa HPS (IPP) (3*100)	300	30	59	2.31	96
	Malana HPS (IPP) (2*43)	86	61	0	0.51	21
	Other Hydro	878	259	249	6.04	252
	Total HP	1264	350	308	8.86	369
J & K	Baglihar HPS (IPP) (3*150)	450	390	390	9.36	390
	Other Hydro/IPP	560	74	65	1.69	71
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	464	455	11.05	461
Total State Control Area Generation		42521	20377	19517	476.01	19834
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			5778	7716	177.94	7414
Total Regional Availability(Gross)		67758	45115	38078	958.50	39937

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9290	1847	99.18	4132
State Control Area Hydro	6581	2809	2472	61	2558
Total Regional Hydro	18815	12099	4319	160.57	6691

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(HVDC B/B)	150		150		150	0	3.12	0.00	3.12
765 KV Gwalior-Agra (D/C)	2081		2499		3112	0	62.58	0.00	62.58
400 KV Zerda-Kankrol	16		23		100	53	0.84	0.00	0.84
400 KV Zerda-Bhinmal	53		80		173	33	2.17	0.00	2.17
220 KV Auraiya-Malanpur	83		154		0	163	0.00	2.56	-2.56
220 KV Badod-Kota/Morak	-7		-17		31	36	0.00	0.27	-0.27
Mundra-Mohindergarh(HVDC Bipole)	2112		2503		2665	0	53.57	0.00	53.57
400 KV Vindhychal - Rihand	0		0		0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	448		880		970	0	17.84	0.00	17.84
Sub Total WR	4936		6272				140.12	2.83	137.29
Pusauli Bypass/HVDC	400		400		400	0	8.93	0.00	8.93
400 KV MZP- GKP (D/C)	8		200		448	62	5.76	0.00	5.76
400 KV Patna-Balia(D/C) X 2	210		267		478	0	8.17	0.00	8.17
400 KV B'Shanif-Balia (D/C)	8		40		215	0	2.46	0.00	2.46
765 KV Gaya-Balia	91		81		230	0	1.64	0.00	1.64
765 KV Gaya-Fatehpur	-32		120		270	33	3.79	0.00	3.79
220 KV Pusauli-Sahupuri	207		157		211	0	3.78	0.00	3.78
132 KV K'nasa-Sahupuri	0		0		0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30		-42		0	42	0.00	0.69	-0.69
132 KV Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-222		-59		101	234	0.00	0.36	-0.36
400 KV Barh -GKP (D/C)	202		280		369	0	7.05	0.00	7.05
Sub Total ER	842		1444				41.58	1.05	40.53
+/- 800 KV BiswanathChariali-Agra	0		0		150	0	0.12	0.00	0.12
Sub Total NER	0		0				0.12	0.00	0.12
Total IR Exch	5778		7716				181.82	3.88	177.94

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)			Power Exchange Shdi (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Total	Through ER	Through WR	Through ER	Through WR
38.83	2.12	40.96	4.04	-8.52	177.83	9.19	17.65	2.00	-2.00
Total IR Schedule (MU)		Total	Total IR Actual (MU)			Net IR UI (MU)			
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total	
56.19	109.05	165.24	40.53	137.29	177.83	-15.65	28.24	12.59	

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	0		0		0	0	0	0	0.00

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	0.50	6.06	37.72	83.09	56.02	4.70	1.59	0.00	0.00

<----- Frequency (Hz) ----->

Maximum				Minimum				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Freq	Time	Freq	Time	Hz	(Hz)	MAX (Hz)	MIN (Hz)					
50.15	10.01	49.62	18.22	49.92	0.122	0.080	50.18	49.82				

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	403	08:03	398	10:29	0.0	0.0	0.0	0.0
Gorakhpur	400	413	07:05	396	18:21	0.0	0.0	0.0	0.0
Bareilly	400	412	04:01	390	18:24	0.0	0.0	0.0	0.0
Kanpur	400	411	04:00	398	18:22	0.0	0.0	0.0	0.0
Dadri	400	419	02:18	398	18:20	0.0	0.0	0.0	0.0
Ballabhgarh	400	422	02:59	401	14:48	0.0	0.0	3.6	0.0
Bawana	400	420	02:16	399	18:24	0.0	0.0	0.0	0.0
Bassi	400	419	04:00	396	11:15	0.0	0.0	0.0	0.0
Hissar	400	417	02:18	396	18:19	0.0	0.0	0.0	0.0
Moga	400	422	02:16	403	14:43	0.0	0.0	7.0	0.0
Abdullapur	400	425	02:18	401	18:20	0.0	0.0	14.3	0.0
Nalagarh	400	432	01:42	406	18:19	0.0	0.0	40.4	2.9
Kishenpur	400	428	02:18	401	18:29	0.0	0.0	23.1	0.0
Wagoora	400	415	03:58	378	18:17	0.9	14.2	0.0	0.0
Amritsar	400	427	02:19	405	14:43	0.0	0.0	23.3	0.0
Kashipur	400	417	02:18	407	18:19	0.0	0.0	0.0	0.0
Hamirpur	400	426	01:43	402	18:18	0.0	0.0	25.8	0.0
Rishikesh	400	408	02:17	380	18:26	0.0	16.6	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	769	03:59	740	18:21	0.0	1.3	0.0	0.0
Balia	765	765	07:06	736	18:21	0.0	4.6	0.0	0.0
Moga	765	801	02:18	764	18:20	0.0	0.0	0.9	0.0
Agra	765	783	04:01	745	11:15	0.0	0.0	0.0	0.0
Bhiwani	765	797	02:18	763	18:19	0.0	0.0	0.0	0.0
Unnao	765	753	04:01	732	18:21	0.0	25.1	0.0	0.0
Lucknow	765	766	07:11	736	18:22	0.0	2.5	0.0	0.0
Meerut	765	805	02:19	765	14:48	0.0	0.0	2.8	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	775	20:28	756	09:42	0.0	0.0	0.0	0.0
Phagi	765	783	21:46	738	11:24	0.0	0.2	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	510.20	1560.04	508.53	1470.42	322.16	410.31
Pong	426.72	384.05	419.74	875.55	415.28	680.86	83.19	239.87
Tehri	829.79	740.04	819.65	992.00	824.55	1096.00	101.63	172.00
Koteshwar	612.50	598.50	610.83	5.00	608.78	3.98	172.00	170.15
Chamera-I	760.00	748.75	757.86	0.00	0.00	0.00	84.84	47.90
Rihand	268.22	252.98	851.70	283.00	854.50	329.80	0.00	0.00
RPS	352.80	343.81	1149.42	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	512.84	3.61	511.34	3.23	61.86	147.35

* 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	-191	96	0	-196	164	0	-4.61	3.52	-1.09
Delhi	-95	172	0	-145	537	0	-2.28	9.17	6.88
Haryana	-347	18	0	-347	232	0	-8.32	3.00	-5.32
HP	-50	64	0	127	-587	0	1.34	-3.57	-2.23
J&K	97	-50	0	146	35	0	2.51	1.03	3.54
CHD	0	0	0	0	-15	0	0.00	0.08	0.08
Rajasthan	-5	896	2	-5	637	2	1.63	18.14	19.77
UP	285	0	0	96	0	0	3.61	1.48	5.09
Uttarakhand	197	0	0	197	75	0	4.72	0.96	5.68
Total	-110	1196	2	-127	1079	2	-1.41	33.81	32.40

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-191	-196	209	86	0	0
Delhi	-70	-145	674	59	0	0
Haryana	-347	-347	253	-353	0	0
HP	127	-50	64	-649	0	0
J&K	146	97	159	-65	0	0
CHD	0	0	35	-35	0	0
Rajasthan	190	-5	1237	383	2	2
UP	306	16	296	0	0	0
Uttarakhand	197	197	205	-81	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 17.10.2015 :
Normal.

XIV. Synchronisation of new generating units :

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

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :