

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	320	7.30	304
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.99	83
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	208	205	4.60	192
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	691	1059	23.12	963
	Talwandi Saboo (1*660)	660	340	444	7.52	313
	Thermal (Total)	4700	1649	2118	44.53	1855
Total Hydro	1000	455	461	10.89	454	
Total Punjab	5700	2104	2579	55.41	2309	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	440	621	11.27	469
	DCRTPP (Yamuna nagar) (2*300)	600	513	452	11.40	475
	Faridabad GPS (NTPC)	432	376	206	6.92	288
	RGTTP (khedar) (IPP) (2*600)	1200	1007	772	19.49	812
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	738	742	18.58	774
	Thermal (Total)	4944	3074	2793	67.66	2819
	Total Hydro	62	24	18	0.45	19
	Total Haryana	5006	3098	2811	68.11	2838
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1020	1020	25.17
suratgarh TPS (6*250)		1500	987	990	23.98	999
Chabra TPS (4*250)		1000	191	214	4.49	187
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	196	197	4.80	200
RAPS A (NPC) (1*100+1*200)		300	157	160	3.94	164
Barsingar (NLC) (2*125)		250	168	168	3.91	163
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	348	598	13.24	552
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	925	1148	24.78	1032
Kawai(Adani) (2*660)		1320	994	1180	26.95	1123
Thermal (Total)		8876	4986	5675	131	5469
Total Hydro		550	163	190	4.00	167
Wind power		3214	60	369	3.77	157
Biomass		99	28	28	0.68	28
Solar		730	0	0	0.06	2
Renewable/Others (Total)		4043	88	397	4.51	188
Total Rajasthan		13469	5237	6262	139.76	5824
UP		Anpara TPS (3*210+2*500)	1630	1382	1283	31.80
	Obra TPS (2*50+2*94+5*200)	1194	364	359	8.60	358
	Paricha TPS (2*110+2*220+2*250)	1140	638	630	15.10	629
	Panki TPS (2*105)	210	0	0	0.00	0
	Haridwar TPS (1*60+1*105+2*250)	665	501	525	12.40	517
	Tanda TPS (NTPC) (4*110)	440	380	385	9.15	381
	Roza TPS (IPP) (4*300)	1200	1103	1103	26.20	1092
	Anpara-C (IPP) (2*600)	1200	1071	1080	25.80	1075
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	374	283	8.70	363
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Thermal (Total)	9289	5813	5648	138	5740
	Vishnuparyag HPS (IPP)(4*110)	440	177	182	4.20	175
	Alakanada(4*82.5)	330	84	108	2.40	100
	Other Hydro	527	135	110	2.30	96
	Cogeneration	981	100	100	2.40	100
Total UP	11567	6309	6148	149	6211	
Uttarakhand	Total Hydro	1398	564	493	12.27	511
	Total Uttarakhand	1398	564	493	12.27	511
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	151	152	3.64	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	5.97	249
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	160	3.53	147
	Thermal (Total)	2917	599	598	14.07	586
	Total Delhi	2917	599	598	14.07	586
HP	Baspa HPS (IPP) (3*100)	300	98	137	2.04	85
	Malana HPS (IPP) (2*43)	86	45	0	0.46	19
	Other Hydro	878	225	212	5.28	220
	Total HP	1264	368	349	7.78	324
J & K	Baglihar HPS (IPP) (3*150)	450	290	230	5.83	243
	Other Hydro/IPP	560	80	58	1.68	70
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	370	288	7.51	313
Total State Control Area Generation		42521	18649	19528	453.96	18915
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			4501	6566	137.34	5723
Total Regional Availability(Gross)		67758	39825	36656	873.40	36392

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8911	2070	99.24	4135
State Control Area Hydro	6581	2340	2199	52	2158
Total Regional Hydro	18815	11251	4269	151.04	6293

V(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 MU
	MW	MW	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-100	-100	0	100	0.00	2.48	-2.48		
765 KV Gwalior-Agra (D/C)	1699	2247	2467	0	46.45	0.00	46.45		
400 KV Zerda-Kankrol	-90	-44	12	130	0.00	1.62	-1.62		
400 KV Zerda-Bhinmal	-7	7	78	58	0.13	0.00	0.13		
220 KV Auraiya-Malanpur	-101	-116	0	121	0.00	2.35	-2.35		
220 KV Badod-Kota/Morak	-86	-70	0	103	0.00	2.26	-2.26		
Mundra-Mohindergarh(HVDC Bipole)	1902	2113	2121	0	49.68	0.00	49.68		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	400	643	877	0	13.71	0.00	13.71		
Sub Total WR	3617	4680			109.96	8.70	101.26		
Pusaali Bypass/HVDC	400	400	400	0	9.00	0.00	9.00		
400 KV MZP- GKP (D/C)	62	320	386	0	5.01	0.00	5.01		
400 KV Patna-Balia(D/C) X 2	180	325	504	0	7.69	0.00	7.69		
400 KV B'Shanif-Balia (D/C)	9	118	178	0	2.22	0.00	2.22		
765 KV Gaya-Balia	74	138	209	0	1.59	0.00	1.59		
765 KV Gaya-Fatehpur	-11	188	255	11	2.97	0.00	2.97		
220 KV Pusaali-Sahupuri	175	128	179	0	3.60	0.00	3.60		
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-24	-30	0	35	0.00	0.59	-0.59		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-194	6	70	206	0.00	1.22	-1.22		
400 KV Barh -GKP (D/C)	213	293	326	0	5.83	0.00	5.83		
Sub Total ER	884	1886			37.89	1.81	36.08		
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0.00	0.00	0.00		
Sub Total NER	0	0			0.00	0.00	0.00		
Total IR Exch	4501	6566			147.85	10.51	137.34		

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	Through ER	Through WR	Through ER	Through WR
40.57	1.79	42.36	2.56	-22.12	13.31	20.80	1.38	-1.38
Total IR Schedule (MU)								
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
59.61	84.35	143.95	36.08	101.26	137.34	-23.52	16.91	-6.61

V(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 MU
	MW	MW	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	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	0.00	0.23	2.40	38.22	69.66	21.08	6.59	0.42	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	Hz	(Hz)	(Hz)		
50.25	17.02	49.77	0.09	50.02	0.040	0.061	50.22	50.00

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	402	21:08	400	00:00	0.0	0.0	0.0	0.0
Gorakhpur	400	422	07:15	405	18:39	0.0	0.0	0.9	0.0
Bareilly	400	416	17:03	400	18:44	0.0	0.0	0.0	0.0
Kanpur	400	411	07:16	408	18:20	0.0	0.0	0.0	0.0
Dadri	400	420	01:38	407	18:34	0.0	0.0	0.0	0.0
Ballabgarh	400	425	16:04	412	18:40	0.0	0.0	51.8	0.0
Bawana	400	423	16:33	409	18:37	0.0	0.0	16.2	0.0
Bassi	400	424	20:59	404	00:07	0.0	0.0	8.2	0.0
Hissar	400	418	01:11	403	18:34	0.0	0.0	0.0	0.0
Moga	400	424	01:11	408	06:08	0.0	0.0	2.7	0.0
Abdullapur	400	423	01:11	399	18:45	0.0	0.0	1.4	0.0
Nalagarh	400	434	01:06	413	18:51	0.0	0.0	57.0	3.6
Kishenpur	400	426	01:05	405	19:14	0.0	0.0	21.7	0.0
Wagoora	400	409	02:51	382	19:29	0.0	17.0	0.0	0.0
Amritsar	400	430	01:06	411	07:44	0.0	0.0	32.3	0.0
Kashipur	400	419	17:02	412	18:19	0.0	0.0	0.0	0.0
Hamirpur	400	428	01:07	407	18:54	0.0	0.0	17.0	0.0
Rishikesh	400	411	17:01	393	18:31	0.0	0.0	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	778	07:09	754	18:42	0.0	0.0	0.0	0.0
Balia	765	779	07:14	753	18:23	0.0	0.0	0.0	0.0
Moga	765	805	01:10	774	05:58	0.0	0.0	4.0	0.0
Agra	765	795	17:02	773	00:07	0.0	0.0	0.0	0.0
Bhiwani	765	805	17:02	782	18:37	0.0	0.0	11.1	0.0
Unnao	765	765	08:02	747	18:22	0.0	0.0	0.0	0.0
Lucknow	765	778	07:09	754	18:22	0.0	0.0	0.0	0.0
Meerut	765	811	17:01	783	18:40	0.0	0.0	28.6	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	788	20:59	766	00:00	0.0	0.0	0.0	0.0
Phagi	765	789	16:08	766	00:00	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	509.85	1545.02	508.01	1455.60	262.21	416.54
Pong	426.72	384.05	419.34	861.93	414.72	668.52	80.05	346.43
Tehri	829.79	740.04	819.00	982.26	824.25	1086.79	84.25	128.00
Koteshwar	612.50	598.50	611.04	4.95	609.61	4.30	128.00	146.00
Chamera-I	760.00	748.75	759.44	0.00	0.00	0.00	78.63	61.04
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	512.09	3.53	510.84	3.35	47.41	151.05

* 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	-705	147	0	-705	207	0	-13.69	5.04	-8.66
Delhi	-246	218	0	-170	374	0	-4.96	6.40	1.43
Haryana	-548	5	0	-548	97	0	-13.41	1.69	-11.72
HP	-50	59	0	127	-677	0	1.34	-3.76	-2.42
J&K	245	-10	0	171	25	0	5.30	0.68	5.97
CHD	0	0	0	0	-50	0	0.00	-0.15	-0.15
Rajasthan	-5	867	2	-5	561	2	1.63	19.27	20.90
UP	148	690	0	25	789	0	1.49	9.17	10.66
Uttarakhand	197	0	0	197	180	0	4.72	2.10	6.82
Total	-964	1977	2	-909	1505	2	-17.59	40.43	22.84

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-302	-705	256	141	0	0
Delhi	-140	-246	560	15	0	0
Haryana	-548	-598	190	-562	0	0
HP	127	-50	67	-815	0	0
J&K	305	141	114	-25	0	0
CHD	0	0	20	-60	0	0
Rajasthan	190	-5	1300	553	2	2
UP	197	-33	986	0	0	0
Uttarakhand	197	197	229	-96	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 22.10.2015 :
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 :