



GRID CONTROLLER OF INDIA (GRID-INDIA)
NORTHERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 09-Sep-2025

Date of Reporting:10-Sep-2025

1. Regional Availability/Demand:

Evening Peak (20:00) MW				Off-Peak (03:00) MW				Day Energy(Net MU)	
Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage
70,526	586	71,113	49.87	57,281	0	57,281	50	1,488	2.54

2(A)State's Load Deails (At State Periphery) in MU:

State	State's Control Area Generation (Net MU)							Drawal Sch	Act Drawal	UI	Requirement	Shortage	Consumption
	Thermal	Hydro	Gas/Naptha/ Diesel	Solar	Wind	OthersBiomass/Co-gen etc.)	Total	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)
PUNJAB	77.8	25.26	0	4.91	0	1.72	109.69	102.19	101.74	-0.45	211.43	0	211.43
HARYANA	47.59	0.98	1.52	1.24	0	0.8	52.13	162.39	161.15	-1.24	213.28	0	213.28
RAJASTHAN	106.6	2.65	1.83	33.68	21.08	5.42	171.25	80.64	80.61	-0.03	251.86	0	251.86
DELHI	0	0	4.23	0	0	1.6	5.83	127.16	126.81	-0.35	132.64	0	132.64
UTTAR PRADESH	276	29.3	0	14.3	0	0.6	320.2	216.59	214.43	-2.16	534.87	0.24	534.63
UTTARAKHAND	0	26.94	1.31	0.62	0	0	28.86	19.18	20.1	0.92	50.72	1.76	48.96
HIMACHAL PRADESH	0	41.65	0	0.13	0	0	41.78	-5.32	-6.02	-0.7	35.76	0	35.76
J&K(UT) & Ladakh(UT)	0	23.88	0	0	0	0	23.88	24.94	24.91	-0.03	49.33	0.54	48.79
CHANDIGARH	0	0	0	0	0	0	0	6.1	6.25	0.15	6.25	0	6.25
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.74	4.14	0.4	4.14	0	4.14
Region	507.99	150.66	8.89	54.88	21.08	10.14	753.62	737.61	734.12	-3.49	1,490.28	2.54	1,487.74

2(B)State Demand Met (Peak and off-peak Hrs)

State	Evening Peak (20:00) MW				AVG DEMAND MW	Off-Peak (03:00) MW			
	Demand Met	Shortage	UI	STOA/PX/RTM Transaction		Demand Met	Shortage	UI	STOA/PX/RTM Transaction
PUNJAB	9,523	0	186	-467	8,704	7,050	0	-282	-2,317
HARYANA	10,504	0	-12	794	8,958	8,235	0	-29	788
RAJASTHAN	11,570	0	860	777	10,425	9,630	0	-212	-583
DELHI	5,989	0	-12	1,153	5,527	4,772	0	172	968
UTTAR PRADESH	26,550	31	50	2,114	22,255	22,857	0	-246	999
UTTARAKHAND	2,122	355	48	-228	2,041	1,867	0	56	-138
HIMACHAL PRADESH	1,522	0	40	-131	1,488	1,192	0	-55	-393
J&K(UT) & Ladakh(UT)	2,248	200	125	-471	2,033	1,303	0	56	-1,424
CHANDIGARH	307	0	24	-33	260	195	0	5	-95
RAILWAYS_NR ISTS	191	0	73	36	173	180	0	11	92
Region	70,526	586	1,382	3,544	61,864	57,281	0	-524	-2,103

2(C)State's Demand Met in MWs (Maximum Demand Met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day						ACE			
	Maximum Demand Met of the day	Time	Shortage during at maximum demand	Requirement at the max demand met of the day	Maximum Requirement of the day	Time	Shortage during at maximum Requirement	Demand Met at maximum requiremnet	Min Demand Met	Time	ACE_MAX	Time	ACE_MIN	Time
PUNJAB	10,077	17:00	0	10,077	10,077	17:00	0	10,077	7,050	3:00	-	-	-	-
HARYANA	10,504	20:00	0	10,504	10,504	20:00	0	10,504	7,532	7:00	-	-	-	-
RAJASTHAN	11,870	22:00	0	11,870	11,870	22:00	0	11,870	9,542	8:00	-	-	-	-
DELHI	6,368	23:00	0	6,368	6,368	23:00	0	6,368	4,436	5:00	-	-	-	-
UP	27,492	23:00	0	27,492	27,492	23:00	0	27,492	16,871	7:00	-	-	-	-
UTTARAKHA ..	2,313	16:00	0	2,313	2,313	16:00	0	2,313	1,867	3:00	-	-	-	-
HP	1,763	7:00	0	1,763	1,763	7:00	0	1,763	1,192	3:00	-	-	-	-
J&K(UT)&Lad ..	2,452	10:00	0	2,452	2,452	10:00	0	2,452	1,267	4:00	-	-	-	-
CHANDIGARH	315	15:00	0	315	315	15:00	0	315	191	4:00	-	-	-	-
RAILWAYS_NR ISTS	208	23:00	0	208	208	23:00	0	208	119	13:00	-	-	-	-
NR	71,208	22:00	257	71,465	71,465	22:00	257	71,208	53,391	7:00	-	-	-	-

3(A) State Entities Generation:

CHANDIGARH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
NIL										
Total	0	0	0					0	0	0
Total	0	0	0					0	0	0

DELHI										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAWANA GPS(2 * 253 + 4 * 216)	1,370	0	0	0	00:00	0	00:00	0	0	0
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	33	34	34.79	04:00	32	13:00	0.81	0.76	32
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	143	147	147.56	07:00	143	15:00	3.55	3.47	145
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	176	181					4.36	4.23	177
WIND	0	0	0	0		0				
BIOMASS(52)	52	68	64	69.4	05:00	58	02:00	1.84	1.6	67
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	244	245					6.2	5.83	244

HARYANA										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
DCRTPP (YAMUNA NAGAR)(2 * 300)	600	507	346	527	01:00	343	13:00	10.05	9.09	379
JHAJJAR(CLP)(2 * 660)	1,320	1,257	759	1,257	20:00	737	09:00	24.46	22.89	954
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	443	0	448	21:00	2	14:00	3.6	2.98	124
RGTPP(KHEDAR)(2 * 600)	1,200	968	364	971	21:00	358	10:00	13.26	12.62	526
Total THERMAL	3,855	3,175	1,469					51.37	47.58	1,983
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	237	0	244	23:00	16	17:00	1.52	1.52	63
Total GAS/NAPTHA/DIESEL	432	237	0					1.52	1.52	63
TOTAL HYDRO HARYANA(64.8)	65	44	41	44	02:00	5	10:00	0.98	0.98	41
Total HYDEL	65	44	41					0.98	0.98	41
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		0.8	0.8	33
SOLAR(196)	196	0	0	0		0		1.24	1.24	52
Total HARYANA	4,654	3,456	1,510					55.91	52.12	2,172

HIMACHAL PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAJOLI HOLI(3*60)	180	135	166	180	01:00	121	16:00	3.35	3.35	140
BASPA (IPP) HPS(3 * 100)	300	301	302	302	01:00	301	19:00	7.23	7.23	301
MALANA (IPP) HPS(2 * 43)	86	0	0	0	01:00	0	06:00	0	0	0
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	111	111	01:00	77	16:00	2.56	2.56	107
OTHER HYDRO HP(503.75)	504	373	409	0		0		8.8	8.76	365
Total HYDEL	1,281	920	988					21.94	21.9	913
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR(1 * 19)	19	0	0	0		0		0.13	0.13	5
SMALL HYDRO(765.25)	765	943	834	0		0		19.77	19.75	823
Total SMALL HYDRO	765	943	834					19.77	19.75	823
Total HP	2,065	1,863	1,822					41.84	41.78	1,741

J&K(UT) & LADAKH(UT)										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAS/DIESEL/OTHERS J&K(1 * 190)	190	0	0	0		0				
Total GAS/NAPTHA/DIESEL	190	0	0					0	0	0
BAGLIHAR (IPP) HPS(6 * 150)	900	890	890	892	15:00	0		21.37	21.37	890
OTHER HYDRO/IPP J&K(308)	308	108	99	136	23:00	0		2.52	2.52	105
Total HYDEL	1,208	998	989					23.89	23.89	995
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR	0	0	0	0		0				
SMALL HYDRO(98)	98	0	0	0		0				
Total SMALL HYDRO	98	0	0					0	0	0
Total J&K(UT)&Ladakh(UT)	1,496	998	989					23.89	23.89	995

PUNJAB										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GOINDWAL(GVK)(2 * 270)	540	380	290	380	19:00	290	01:00	8.37	7.34	306
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	148	0	148	20:00	0	01:00	1.9	1.51	63
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	523	313	582	22:00	313	02:00	10.27	9.18	383
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	1,320	1,320	01:00	660	10:00	27.97	26.72	1,113
TALWANDI SABO TPS(3 * 660)	1,980	1,841	1,729	1,841	01:00	924	05:00	35.45	33.06	1,378
Total THERMAL	5,680	4,212	3,652					83.96	77.81	3,243
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	111	111	111	01:00	110	05:00	2.69	2.68	112
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	165	164	165	16:00	163	15:00	3.97	3.97	165
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	600	600	01:00	600	01:00	14.62	14.57	607
SHANAN(4 * 15 + 1 * 50)	110	30	80	80	01:00	30	08:00	1.17	1.16	48
UBDC(3 * 15 + 3 * 15.5)	92	0	0	0	01:00	0	01:00	0	0	0
OTHER HYDRO PUNJAB	0	0	0	0		0		2.88	2.88	120
Total HYDEL	1,161	906	955					25.33	25.26	1,052
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.72	1.72	72
SOLAR(881)	881	58	60	523	13:00	58	19:00	4.91	4.91	205
Total PUNJAB	8,025	5,176	4,667					115.92	109.7	4,572

RAJASTHAN										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BARSINGSAR (IPP) LTPS(2 * 125)	250	223	221	224	00:00	221	16:00	5.93	5.25	219
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,717	1,586	1,746	02:00	1,116	13:00	36.54	33.84	1,410
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	1,025	815	1,061	07:00	641	14:00	22.84	21.29	887
KAWAI TPS(2 * 660)	1,320	202	0	582	00:00	0	06:00	2.46	2.01	84
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	308	131	473	00:00	99	13:00	6.67	4.64	193
RAJWEST (IPP) LTPS(8 * 135)	1,080	775	804	822	09:00	636	13:00	20.59	17.99	750
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	1,047	894	1,047	20:00	702	10:00	22.77	21.59	900
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	5,297	4,451					117.8	106.61	4,443
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	73	73	74	05:00	72	11:00	1.89	1.83	76
Total GAS/NAPTHA/DIESEL	601	73	73					1.89	1.83	76
RAPS-A(1 * 100 + 1 * 200)	300	175	175	177	11:00	174	18:00	4.63	4.31	180
Total NUCLEAR	300	175	175					4.63	4.31	180
TOTAL HYDRO RAJASTHAN(550)	550	144	85	196	23:00	75	14:00	2.65	2.65	110
Total HYDEL	550	144	85					2.65	2.65	110
WIND(1 * 4328)	4,328	63	1,453	1,707	01:00	245	18:00	21.08	21.08	878
BIOMASS(102)	102	46	46	46	01:00	46	06:00	1.11	1.11	46
SOLAR(4568)	4,568	2	0	4,899	13:00	0	06:00	33.68	33.68	1,403
Total RAJASTHAN	21,064	5,800	6,283					182.84	171.27	7,136

UTTAR PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
ANPARA TPS(2 * 500 + 3 * 210)	1,630	899	893	910	07:00	636	09:00	21.9	20.2	842
ANPARA-C TPS(2 * 600)	1,200	1,068	1,099	1,110	05:00	597	09:00	27.3	25.3	1,054
ANPARA-D TPS(2 * 500)	1,000	944	938	944	20:00	659	09:00	23.5	22.1	921
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	366	0	366	20:00	0	01:00	2.9	2.6	108
BARA PPGCL TPS(3 * 660)	1,980	1,710	1,708	1,817	15:00	1,041	09:00	41.8	38.7	1,613
GHATAMPUR TPS (1*660)	660	560	329	571	21:00	307	08:00	11.5	10.4	433
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	572	0	722	23:59	0	01:00	5.1	4.6	192
INFIRM POWER	660	292	214	292	20:00	0	09:00	4.8	4.3	179
JAWAHARPUR TPS(2*660)	1,320	549	362	549	20:00	288	01:00	10.4	9.3	388
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	602	599	610	20:00	463	11:00	15.3	13.7	571
LALITPUR TPS(3 * 660)	1,980	1,843	1,833	1,851	19:00	1,007	09:00	40	37.5	1,563
MEJA TPS(2 * 660)	1,320	1,224	1,226	1,233	19:00	670	08:00	26.2	24.6	1,025
OBRA TPS(5 * 200+1*660)	1,660	1,148	1,204	1,248	06:00	1,064	08:00	30.9	27.9	1,163
PANKI_I TPS(1 * 660)	660	0	0	283	01:00	0	02:00	0.2	0.2	8
PARICHA TPS(2 * 210 + 2 * 250)	920	753	548	753	20:00	470	08:00	15.5	14.1	588
ROSA TPS(4 * 300)	1,200	1,094	1,010	1,115	23:00	586	09:00	22.4	20.5	854
TANDA TPS(4 * 110)	440	0	0	0		0				
Total THERMAL	19,190	13,624	11,963					299.7	276	11,502
ALAKHANANDA HEP(4 * 82.5)	330	354	352	356	10:00	352	03:00	8.5	8.5	354
RIHAND HPS(6 * 50)	300	280	280	280	01:00	280	01:00	6.7	6.7	279
VISHNUPARYAG HPS(4 * 110)	440	327	440	440	01:00	327	16:00	9.8	9.8	408
OTHER HYDRO UP(227)	227	176	178	185	13:00	155	23:59	4.3	4.3	179
Total HYDEL	1,297	1,137	1,250					29.3	29.3	1,220
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	1,950	11:00	0	01:00	14.3	14.3	596
CO-GENERATION(1360)	1,360	25	25	25	01:00	0		0.6	0.6	25
Total OTHERs	1,360	25	25					0.6	0.6	25
Total UP	24,515	14,786	13,238					343.9	320.2	13,343

UTTARAKHAND										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAMMA	225	94	48	97	19:00	7	15:00	1.36	1.31	55
SARAVANTI	450	0	0	0		0				
Total GAS/NAPTHA/DIESEL	675	94	48					1.36	1.31	55
OTHER HYDRO UK(1250)	1,250	1,126	1,122	1,131	21:00	1,083	14:00	27.02	26.94	1,123
Total HYDEL	1,250	1,126	1,122					27.02	26.94	1,123
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	98	12:00	1	07:00	0.62	0.62	26
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,220	1,170					29	28.87	1,204

(B) Regional Entities Generation														
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy				AVG. MW	UI(Actual-Schedule- +- AGC))
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen ACT (MU)	Net Gen ACT MU)	AGC(MU)		
Aravali Power Company Private Ltd														
ISTPP (JHAJJAR)(3 * 500)	1,500	1,411	1,500	1,295	1,515	17:45	814	08:00	26.96	28.61	26.76	0.88	1,115	-1.08
Sub-Total	1,500	1,411	1,500	1,295	-	-	-	-	26.96	28.61	26.76	0.88	1,115	-1.08
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,362	1,402	1,401	1,402	20:00	1,242	10:00	31.66	32.64	32.21	0	1,342	0.55
DEHAR HPS(6 * 165)	990	480	660	495	660	20:00	495	10:00	11.76	12.17	11.92	0	497	0.16
PONG HPS(6 * 66)	396	352	360	360	360	20:00	360	10:00	8.45	8.71	8.49	0	354	0.04
Sub-Total	2,801	2,194	2,422	2,256	-	-	-	-	51.87	53.52	52.62	0	2,193	0.75
NHPC														
BAIRASIUL HPS(3 * 60)	180	124	125	125	125	02:15	60.56	15:45	2.4	2.52	2.5	0	104	0.1
CHAMERA I HPS(3 * 180)	540	360	361	357	366	22:00	236	14:00	7.46	7.35	7.27	0	303	-0.19
CHAMERA II HPS(3 * 100)	300	208	202	199	203	19:00	197.8	15:00	4.77	4.81	4.78	0	199	0.01
CHAMERA III HPS(3 * 77)	231	240	159	156	172	15:00	0	-	4.21	3.71	3.77	0	157	-0.44
DHAULIGANGA HPS(4 * 70)	280	260	256	256	257	19:00	235	15:00	6.03	6.12	6.1	0	254	0.07
DULHASTI HPS(3 * 130)	390	128	134	131	134	22:00	127.8	08:00	3.08	3.17	3.11	0	130	0.03
KISHANGANGA(3 * 110)	330	336	336	220	336	20:00	218.5	12:00	6.19	6.26	6.23	0	260	0.04
PARBATI III HEP(4 * 130)	520	210	0	0	0	-	0	-	0.98	0.84	0.82	0	34	-0.16
PARBATI-II(4 * 200)	800	0	0	0	0	-	0	01:00	0	0	0.01	0	0	0.01
SALAL HPS(6 * 115)	690	705	719	721	721	02:00	719	15:00	17	17.3	17.08	0	712	0.08
SEWA-II HPS(3 * 40)	120	126	126	125	126	02:00	125.21	18:00	2.96	3.04	3.01	0	125	0.05
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	106	106	107	00:00	105.46	14:00	2.26	2.55	2.52	0	105	0.26
URI HPS(4 * 120)	480	40	55	290	426	14:30	48.33	20:30	5.65	5.92	5.87	0	245	0.22
URI-II HPS(4 * 60)	240	210	233	217	233	20:00	171.61	10:00	4.66	4.88	4.84	0	202	0.18
Sub-Total	5,195	3,040	2,812	2,903	-	-	-	-	67.65	68.47	67.91	0	2,830	0.26
NPCL														
NAPS(2 * 220)	440	190	211	213	217	08:00	207	19:00	4.56	5.07	4.47	0	186	-0.09
RAPP-D	700	412	0	0	0	-	0	-	9.89	11.14	9.86	0	411	-0.03
RAPS-B(2 * 220)	440	356	396	400	403	07:00	394	12:00	8.54	9.6	8.5	0	354	-0.04
RAPS-C(2 * 220)	440	407	450	448	451	08:00	448	01:00	9.77	10.86	9.77	0	407	0
Sub-Total	2,020	1,365	1,057	1,061	-	-	-	-	32.76	36.67	32.6	0	1,358	-0.16
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	384	275	0	374	23:21	0	-	1.62	1.99	1.89	0	79	0.27
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	635	583	0	589	23:00	0	-	3.39	3.48	3.33	0	139	-0.06
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	780	0	0	757	-	0	-	4.2	4.19	3.98	0	166	-0.22
DADRI-I TPS(4 * 210)	840	769	464	0	690	23:45	0	-	4.47	5.4	4.52	0	188	0.05
DADRI-II TPS(2 * 490)	980	919	851	595	921	22:00	0	-	16.93	18.19	16.96	0	707	0.03
KOLDAM HPS(4 * 200)	800	871	866	861	867	07:00	0	-	20.51	20.76	20.64	0	860	0.13
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.02	3.57	3.57	0	149	-0.45
RIHAND-I STPS(2 * 500)	1,000	450	504	500	504	20:00	277	10:00	10.04	10.88	9.83	-0.06	410	-0.15
RIHAND-II STPS(2 * 500)	1,000	943	1,015	1,013	1,022	15:00	540	11:00	20.75	21.94	20.54	-0.05	856	-0.16
RIHAND-III STPS(2 * 500)	1,000	943	1,012	1,008	1,012	20:00	538	11:00	21.03	21.89	20.69	-0.06	862	-0.28
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,389	1,514	1,498	1,514	20:00	894	11:00	30.71	33.46	30.31	0	1,263	-0.4
TANDA TPS STAGE-II(2 * 660)	1,320	1,244	1,239	1,242	1,255	02:45	678	13:30	25.57	27.19	25.56	0	1,065	-0.01
UNCHAHAH II TPS(2 * 210)	420	375	420	406	420	20:00	237	13:00	7.39	8.24	7.21	-0.07	300	-0.11
UNCHAHAH III TPS(1 * 210)	210	0	0	0	0	-	0	-	0.22	0.27	0.25	0	10	0.03
UNCHAHAH IV TPS(1 * 500)	500	466	501	478	511	06:30	274	09:00	9.44	10.03	9.42	0.06	393	-0.08
UNCHAHAH TPS(2 * 210)	420	360	398	367	398	20:00	234	10:00	7.21	7.72	6.84	0	285	-0.37
Sub-Total	12,655	10,528	9,642	7,968	-	-	-	-	187.5	199.2	185.54	-0.18	7,732	-1.78
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,484	1,509	1,531	19:00	1,456	18:00	35.57	35.99	35.71	0	1,488	0.14
RAMPUR HEP(6 * 68.67)	412	449	415	414	424	23:00	409	13:00	9.79	10.02	9.95	0	415	0.16
Sub-Total	1,912	2,079	1,899	1,923	-	-	-	-	45.36	46.01	45.66	0	1,903	0.3
THDC														
KOTESHWAR HPS(4 * 100)	400	396	400	271	400	20:00	90	14:00	4.77	4.92	4.91	0.06	205	0.08
TEHRI HPS(4 * 250)	1,000	1,072	1,080	762	1,080	19:00	0	09:00	13.72	14.04	13.95	0.01	581	0.22
TEHRI PSP(4 * 250)	1,000	250	250	0	250	20:00	0	-	0.19	1.53	0.12	0	5	-0.07
Sub-Total	2,400	1,718	1,730	1,033	-	-	-	-	18.68	20.49	18.98	0.07	791	0.23

Total	28,483	22,335	21,062	18,439					430.78	452.97	430.07	0.77	17,922	-1.48
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IPP/JV													
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy			AVG. MW	UI
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen(MU)	Net Gen(MU)		
IPP													
ADHPL(IPP) HPS(2 * 96)	192	0	14	0	19	11:00	0	-	0	0.15	0.14	6	0.14
BUDHIL HPS (IPP)(2 * 35)	70	0	0	0	0	-	0	00:00	0	0	0	0	0
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,045	1,045	1,045	20:00	1,045	11:00	24.78	25.31	25.1	1,046	0.32
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	-	-	-	-
SHREE CEMENT (IPP) TPS(2 * 150)	300	337	344	91	344	21:00	0	-	4.49	4.26	3.99	166	-0.5
SINGOLI BHATWARI HEP(3 * 33)	99	107	108	107	108	20:00	0	-	2.3	2.6	2.57	107	0.27
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	80	101	95	102	22:00	0	-	2.27	2.28	2.27	95	0
Sub-Total	1,906	1,650	1,612	1,338	-	-	-	-	33.84	34.6	34.07	1,420	0.23
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.68	2.66	2.66	111	-0.02
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.69	1.68	1.68	70	-0.01
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	235	13:34	0	-	1.51	1.5	1.5	63	-0.01
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	316	11:16	0	-	1.82	1.5	1.49	62	-0.33
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	2.17	2	2	83	-0.17
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	316	12:20	0	-	1.84	1.63	1.63	68	-0.21
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	318	12:50	0	-	1.84	1.61	1.6	67	-0.24
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.42	1.39	1.39	58	-0.03
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	317	11:42	0	-	1.84	1.59	1.58	66	-0.26
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.62	0.68	0.68	28	0.06
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.6	0.66	0.66	28	0.06
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	364	09:35	0	-	2.25	2.05	2.03	85	-0.22
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	206	13:40	0	-	1.31	1.29	1.29	54	-0.02
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	151	13:00	0	-	1.09	1.06	1.06	44	-0.03
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	139	11:15	0	-	0.97	1.02	1.02	43	0.05
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.27	0.27	0.27	11	0
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	11:10	0	-	1.03	0.89	0.89	37	-0.14
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	168	12:41	0	-	1.03	0.87	0.86	36	-0.17
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	110	15:42	0	-	0.67	0.67	0.67	28	0
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	382	11:44	0	-	1.98	1.93	1.92	80	-0.06
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	0.9	0.91	0.91	38	0.01
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.57	0.6	0.6	25	0.03
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	88	09:32	0	-	0.6	0.61	0.6	25	0
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.19	0.21	0.2	8	0.01
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	244	12:08	0	-	1.63	1.73	1.73	72	0.1
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	353	13:49	0	-	2.38	2.51	2.51	105	0.13
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	326	12:11	0	-	2.32	2.39	2.39	100	0.07
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	308	12:13	0	-	2.15	2.07	2.07	86	-0.08
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	300	11:37	0	-	2.15	2.19	2.19	91	0.04
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	246	15:24	0	-	1.57	1.59	1.59	66	0.02
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	421	10:45	0	-	3.38	3.33	3.33	139	-0.05
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	196	12:17	0	-	1.13	1.21	1.21	50	0.08
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	270	12:11	0	-	1.83	1.81	1.81	75	-0.02
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	136	14:16	0	-	0.84	0.87	0.87	36	0.03
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.99	1.52	1.52	63	0.53
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	297	12:21	0	-	1.95	1.86	1.86	78	-0.09
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	246	12:21	0	-	1.66	1.68	1.67	70	0.01

DADRI SOLAR(5)	5	0	0	0	3	-	0	-	0.02	0.02	0.02	1	0
DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.2	1.55	1.55	65	0.35
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	261	15:46	0	-	1.48	1.59	1.58	66	0.1
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	304	11:59	0	-	1.73	1.66	1.66	69	-0.07
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	0	-	0	-	1.77	1.77	1.77	74	0
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.6	1.33	1.33	55	-0.27
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	87	09:32	0	-	0.61	0.6	0.6	25	-0.01
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	84	15:33	0	-	0.53	0.53	0.53	22	0
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.33	1.23	1.23	51	-0.1
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	41	15:30	0	-	0.26	0.26	0.26	11	0
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	172	09:54	0	-	0.98	1.06	1.05	44	0.07
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.5	1.56	1.56	65	0.06
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.11	3.51	3.51	146	0.4
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	47	13:08	0	-	0.34	0.33	0.33	14	-0.01
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	46	11:03	0	-	0.3	0.31	0.31	13	0.01
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	293	11:30	0	-	1.93	2.03	2.03	85	0.1
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	86	09:39	0	-	0.61	0.61	0.61	25	0
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.51	1.52	1.52	63	0.01
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.56	1.45	1.45	60	-0.11
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.56	0.64	0.64	27	0.08
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.75	0.72	0.72	30	-0.03
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.47	1.41	1.41	59	-0.06
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	300	13:49	0	-	1.64	1.5	1.5	63	-0.14
RENEW SOLAR SURYA RAVI PVT LTD(1*300)	300	0	0	0	221	09:59	0	-	1.45	1.48	1.48	62	0.03
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	300	12:46	0	-	1.55	1.47	1.47	61	-0.08
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	50	11:08	0	-	0.32	0.35	0.35	15	0.03
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.51	1.46	1.46	61	-0.05
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	266	10:49	0	-	1.49	1.38	1.38	58	-0.11
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	306	13:28	0	-	1.6	1.56	1.56	65	-0.04
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	166	09:41	0	-	0.95	0.87	0.87	36	-0.08
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	192	12:44	0	-	1.14	1.09	1.09	45	-0.05
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.49	1.53	1.53	64	0.04
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	93	12:14	0	-	0.54	0.51	0.51	21	-0.03
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	210	12:13	0	-	1.34	1.26	1.26	53	-0.08
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	196	13:56	0	-	1.21	1.2	1.2	50	-0.01
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	301	11:23	0	-	1.96	1.92	1.92	80	-0.04
SJVN GREEN ENERGY LIMITED	242	0	0	0	408	09:48	0	-	2.37	2.65	2.61	109	0.24
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	1.09	1.08	1.08	45	-0.01
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	227	09:28	0	-	1.44	1.41	1.41	59	-0.03
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.05	0.04	0.04	2	-0.01
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	285	13:18	0	-	1.51	1.37	1.37	57	-0.14
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	78	15:36	0	-	0.16	0.5	0.5	21	0.34
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	218	13:43	0	-	1.58	1.52	1.52	63	-0.06
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	301	11:29	0	-	1.69	1.57	1.54	64	-0.15
TATA POWER SAURYA LIMITED	110	0	0	0	84	09:41	0	-	0.57	0.57	0.57	24	0
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	298	11:45	0	-	2.14	1.94	1.94	81	-0.2
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.4	0.51	0.51	21	0.11
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	96	15:22	0	-	0.65	0.59	0.59	25	-0.06
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	51	15:17	0	-	0.33	0.3	0.3	13	-0.03
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.37	0.27	0.27	11	-0.1
UNCHAHAHAR SOLAR(10)	10	0	0	0	5	11:00	0	-	0.04	0.03	0.03	1	-0.01

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	238	10:11	0		1.44	1.43	1.43	60	-0.01
Sub-Total	18,548	0	0	0	-	-	-	-	114.04	113.09	112.9	4,709	-1.14
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	576	11:42	0	-	4.04	3.32	3.31	138	-0.73
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	15	429	450	-	0	-	6.2	4.81	4.81	200	-1.39
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	324	11:48	0	-	1.85	1.9	1.9	79	0.05
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	0	0	0	-	0	-	1.11	0.91	0.91	38	-0.2
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	0	-	0	-	1.9	2.56	2.56	107	0.66
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	0	0	0	-	0	-	0.81	1.9	1.9	79	1.09
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	281	11:00	0	-	1.61	1.67	1.67	70	0.06
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	0	0	0	-	0	-	0.82	0.73	0.73	30	-0.09
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	385	10:30	0	-	1.88	2.05	2.05	85	0.17
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	13	98	103	01:30	0	-	1.07	1.18	1.18	49	0.11
Sub-Total	2,846	0	28	527	-	-	-	-	21.29	21.03	21.02	875	-0.27
Total	23,300	1,650	1,640	1,865					169.17	168.72	167.99	7,004	-1.18

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	33,543	29,924	799.5	753.66	31,407
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		3,914	3,014	159.01	159.01	10,370
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-30	-26	1.1	1.1	11
Total Regional Availability(Gross)	118,257	60,129	53,216	1,581.3	1,511.83	66,714

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	10,997	10,223	239.59	235.89	9,831
State Control Area Hydro	7,855	6,218	6,264	150.88	150.67	6,277
Total Regional Hydro	22,577	17,215	16,487	390.47	386.56	16,108

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,639	28	527	137.69	137.49	5,733
State Control Area Renewable	13,630	237	1,623	81.43	81.19	3,383
Total Regional Renewable	35,269	265	2,150	219.12	218.68	9,116

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,773	0	0	128.16	127.96	5,337
State Control Area Solar	8,586	60	60	54.88	54.88	2,287
Total Solar	29,359	60	60	183.04	182.84	7,624

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	28	527	9.53	9.53	396
State Control Area Wind	4,328	63	1,453	21.08	21.08	878
Total Wind	5,194	91	1,980	30.61	30.61	1,274

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	20:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
Import/Export between EAST REGION and NORTH REGION								
1	132KV Rihand - Nagar Untari	-	-	-	-	0	0.04	-0.04
2	132KV-Chandauli (UP)-Karmnasa(PG)	-	-	-	-	-	-	-
3	132KV-Rihand (UP)-Garhwa(CG)	-	-	-	-	0	0.69	-0.69
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0	0	0
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0.79	0	0.79
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0	0.67	-0.67
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0	1.41	-1.41
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	3.17	0	3.17
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	12.19	0	12.19
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-	-	-	-	4.35	0	4.35
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-	-	-	-	7.09	0	7.09

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	0	1.23	-1.23
13	400KV-Varanasi (PG)-Sasaram(PG)	-28	-115	176	0	2.61	0	2.61
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	7.59	0	7.59
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	0	1.85	-1.85
16	765KV-Varanasi (PG)-Gaya(PG)	-186	-73	370	1,305	0	5.4	-5.4
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	9.6	0	9.6
Sub-Total EAST REGION		-214	-188	546	1,305	47.39	11.29	36.1
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	7.25	0	7.25
Sub-Total NORTH_EAST REGION		0	0	0	0	7.25	0	7.25
Import/Export between WEST REGION and NORTH REGION								
1	132KV-Lalitpur (UP)-Rajghat(MP)	-	-	-	-	-	-	-
2	132KV-Sawai Madhopur (RJ)-Gwalior(MP)	-	-	-	-	-	-	-
3	220KV-Auraiya (NT)-Malanpur(PG)	-155	-48	-	207	0	2.28	-2.28
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	123	52	124	-	1.65	0	1.65
6	220KV-Ranpur (RS)-Bhanpura(MP)	93	82	98	-	1.95	0	1.95
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-117	-16	292	503	0	2.27	-2.27
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	5.2	-5.2
10	400KV-RAPS C (NP)-Sujalpur	103	-169	158	906	0	8.1	-8.1
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-758	-530	0	-761	0	9.01	-9.01
13	765KV-0rai-Jabalpur	1,388	606	1,527	0	7.55	0	7.55
14	765KV-0rai-Satna	777	581	804	0	12.45	0	12.45
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	10.97	0	10.97
16	765KV-Chittorgarh-Banaskata D/C	589	729	1,072	1,081	0	7.16	-7.16
17	765KV-Phagi (RJ)-Gwalior(PG)	1,172	613	1,278	-1,850	0.4	0	0.4
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-2,587	-1,948	2,861	0	46.17	0	46.17
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,250	1,000	1,251	0	27.8	0	27.8
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	250	250	0	250	0	6.06	-6.06
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	2,000	2,000	2,000	0	46.8	0	46.8
Sub-Total WEST REGION		4,128	3,202	11,465	336	155.74	40.08	115.66
TOTAL IR EXCHANGE		3,914	3,014	12,011	1,641	210.38	51.37	159.01

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS+GNA+URS schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NR-ER	101.47	17.9	0	-0.4	0	98.2	36.1	-62.1
NR-NORTH_EAST REGION	0	0	0	0	0	0	7.25	7.25
NR-WR	180.65	63.15	0	-130.49	0	76.43	115.66	39.23
Total	282.12	81.05	0	-130.89	0	174.63	159.01	-15.62

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

Element	Peak	Off-Peak	Maximum Interchange(MW)		Energy (MU)		Net Energy	Schedule Energy
	MW	MW	Import	Export	Import	Export	(MU)	(MU)
132KV-Tanakpur(NH)-Mahendranagar(PG)	-30	-26	64.344	53	1.12	0.02	1.1	0
132KV-Nautanwa (UP)-Mainhiya (Nepal)							0	0

5.Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	< 50.0	>= 49.9 - <= 50.05	> 50.05 - <= 50.1	> 50.1 - <= 50.2	> 50.2	> 50.05
%	0	5.14	9.21	23.07	63.24	66.25	10.24	.44	0	10.68

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

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk		Freq Dev Index (% of Time)
Frequency	Time	Frequency	Time				Max.	Min.	
50.12	16:01:50	49.41	18:56:50	49.94	0.193	0.127	50.07	49.44	33.75

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	415	05:00	401	11:25	0	0	0	0	0
Amritsar(PG) - 400KV	412	05:00	398	18:35	0	0	0	0	0
Ballabgarh(PG) - 400KV	415	05:00	394	11:25	0	0	0	0	0

Bareilly II(PG) - 400KV	414	08:00	394	19:10	0	0	0	0	0
Bareilly(UP) - 400KV	415	07:55	396	19:15	0	0	0	0	0
Baspa(HP) - 400KV	409	03:30	397	09:35	0	0	0	0	0
Bassi(PG) - 400KV	418	03:20	396	09:50	0	0	0	0	0
Bawana(DTL) - 400KV	419	05:00	401	19:15	0	0	0	0	0
Dadri HVDC(PG). - 400KV	416	05:00	397	11:25	0	0	0	0	0
Gorakhpur(PG) - 400KV	414	08:10	390	22:05	0	0	0	0	0
Hisar(PG) - 400KV	418	05:00	399	09:50	0	0	0	0	0
Kanpur(PG) - 400KV	415	08:00	399	19:15	0	0	0	0	0
Kashipur(UT) - 400KV	417	07:55	407	19:15	0	0	0	0	0
Kishenpur(PG) - 400KV	409	05:00	402	11:20	0	0	0	0	0
Moga(PG) - 400KV	413	05:00	401	18:35	0	0	0	0	0
Nallagarh(PG) - 400KV	409	03:30	397	09:35	0	0	0	0	0
Rihand HVDC(PG) - 400KV	405	13:20	399	22:55	0	0	0	0	0
Rihand(NT) - 400KV	405	13:30	399	19:15	0	0	0	0	0

6.1 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index
					< 728	< 742	> 800	> 820	
Anta RS(RJ) - 765KV	788	15:15	770	21:20	0	0	0	0	0
Balia(PG) - 765KV	783	07:00	753	22:05	0	0	0	0	0
Bareilly II(PG) - 765KV	785	07:55	749	19:15	0	0	0	0	0
Bhiwani(PG) - 765KV	799	17:05	761	09:55	0	0	0	0	0
Fatehpur(PG) - 765KV	791	07:40	757	20:35	0	0	0	0	0
Jhatikara(PG) - 765KV	792	05:00	750	09:50	0	0	0	0	0
Lucknow II(PG) - 765KV	797	08:10	751	19:15	0	0	0	0	0
Meerut(PG) - 765KV	796	08:00	759	11:30	0	0	0	0	0
Moga(PG) - 765KV	798	15:15	756	09:50	0	0	0	0	0
Phagi(RJ) - 765KV	800	15:05	764	09:50	0	0	1.39	0	1.39
Unnao(UP) - 765KV	780	08:50	747	22:05	0	0	0	0	0

7(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00)							Peak Hours (20:00)						
	T-GNA Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)	Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)
PUNJAB	982.71	0	-400	-2,900	0	0	0	732.71	0	-950	-99.93	0	-150	0
HARYANA	2,056.96	20.89	-1,289.84	0	0	0	0	792.69	0.12	0.63	0.63	0	0	0
RAJASTHAN	764.3	-28.5	-1,223.43	-94.95	0	0	0	811.83	-9.65	-73.15	48.43	0	0	0
DELHI	944.5	0.77	-162	184.75	0	0	0	1,065.95	0.55	6.73	79.73	0	0	0
UTTAR PRADESH	249.87	25.73	442.33	281.25	0	0	0	1,876.95	32.79	71.54	132.37	0	0	0
UTTARAKHA ..	-245	-3.2	52.23	58.04	0	0	0	-245	-7.2	9.58	14.89	0	0	0
HIMACHAL PRADESH	-17.62	-62.7	0.27	-313.02	0	0	0	-18.74	-62.6	-12.17	-37.65	0	0	0
J&K(UT) & LADAKH(UT)	-300	0	-314.4	-810	0	0	0	-426	-48.3	-16.3	19.86	0	0	0
CHANDIGARH	39.85	0	-135	0	0	0	0	81.61	0	-114.99	0	0	0	0
RAILWAYS_NRISTS	31.72	0	59.97	0	0	0	0	31.72	0.38	2	1.98	0	0	0
TOTAL	4,507.29	-47.01	-2,969.87	-3,593.93	0	0	0	4,703.72	-93.91	-1,076.13	160.31	0	-150	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	124.68	23	0	-14.56	-30.93	102.19
HARYANA	148.04	39.08	0.19	-20.54	-2.38	162.87
RAJASTHAN	95.5	17.1	-0.46	-29.7	-1.8	80.64
DELHI	96.54	22.96	0.11	1.58	5.97	127.16
UTTAR PRADESH	197.4	11.82	0.95	3.14	3.05	216.59
UTTARAKHAND	23.06	-5.6	-0.09	3.07	0.34	19.45
HIMACHAL PRADESH	0.28	-0.31	-1.25	-0.4	-3.64	-5.32
J&K(UT) & LADAKH(UT)	40.08	-3.96	-0.4	-4.44	-6.34	24.94
CHANDIGARH	6.85	1.25	0	-2.09	0.09	6.1
RAILWAYS_NR ISTS	2.01	0.76	0.06	0.9	0.01	3.74
TOTAL	734.44	106.1	-0.89	-63.04	-35.63	738.36

7(B). Short-Term Open Access Details

State	GNA schedule		T-GNA Bilateral (MW)		IEX GDAM (MW)		PXIL GDAM(MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
PUNJAB	5,673.75	4,622.13	1,274.01	732.71	0	0	0	0
HARYANA	6,610.93	5,254.83	2,516.34	-189.72	20.89	0	0	0
RAJASTHAN	4,609.08	3,476.28	945.01	494.2	48.17	-40.8	0	0
DELHI	4,693.56	3,456.75	1,210.08	677.53	135.46	0	0	0
UTTAR PRADESH	10,136.22	6,481.11	1,877.38	-44.81	212.99	-2.91	10.64	0
UTTARAKHAND	1,179.17	802.33	-207.27	-245	0.38	-15.2	0	0
HIMACHAL PRADESH	260.83	-210.19	-1.94	-18.84	-11	-62.7	0	0
J&K(UT) & Ladakh(UT)	1,748.43	1,592.59	0	-426	0	-48.3	0	0
CHANDIGARH	333.92	237.74	81.61	29.47	0	0	0	0
RAILWAYS_NR ISTS	99.23	77.66	31.72	31.72	44.5	0	0	0

State	IEX DAM (MW)		PXI DAM(MW)		IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
PUNJAB	-200	-2,050	0	-150	326.33	-3,300	0	0
HARYANA	13.17	-1,853.56	0	0	2.14	-1,100	0	0
RAJASTHAN	3.12	-2,743.22	0	0	145.37	-902.35	0	0
DELHI	402.88	-303.1	0	0	762.72	-127.56	0	0
UTTAR PRADESH	1,394.3	-3,173.36	0	-61	895.15	-812.81	0	0
UTTARAKHAND	362.35	0	0	0	176.05	-160.99	0	0
HIMACHAL PRADESH	10.16	-126.24	0	0	57.31	-352.22	0	0
J&K(UT) & LADAKH(UT)	-14.4	-314.4	0	0	28.13	-860	0	0
CHANDIGARH	0	-185	0	0	39.66	-9	0	0
RAILWAYS_NR ISTS	59.97	0	0	0	9.74	0	0	0

8.Major Reservoir Particulars

RESERVOIR	Parameters			Present Parameters		LAST YEAR		LAST DAY	
	MDDL (Mts)	FRL (Mts)	Energy Content at FRL	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (m3/s)	Usage (m3/s)
Bhakra	445.62	513.59	1,728.8	511.16	1,605	501.31	1,153	1,538.23	1,000.32
Chamera-I	748.75	760	753.95	756.7	7	-	-	541.65	199.2
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	611.1	5	610.2	5	303.47	324.06
Pong	384.05	426.72	1,084	423.78	1,066	415.91	718	974.55	483.62
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	524.32	351	501.45	113	673.03	568.64
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	827.77	1,117	826.57	1,092	493.38	300
TOTAL	-	-	-	-	4,151	-	3,081	4,524.31	2,875.84

9. System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter and intra regional corridors

WR	0
ER	0
Simultaneous	0
Delhi	0
Rajasthan	0
UP	0
Punjab	0
Haryana	0

ii)%age of times ATC violated on the inter and intra regional corridors

WR	0
ER	0
Simultaneous	0
Delhi	0
Rajasthan	0
UP	0
Punjab	0

Haryana	0
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iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand-Dadri	0
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10. Zero Crossing Violations

State	No. of violations(Maximum 15 in a day)	Maximum number of continuous blocks without sign change
CHANDIGARH	0	3
DELHI	6	13
HARYANA	7	18
HIMACHAL PRADESH	1	11
J&K(UT) & Ladakh(UT)	9	26
PUNJAB	6	12
RAJASTHAN	10	27
UTTAR PRADESH	4	19
UTTARAKHAND	3	17

11. NCR's and Ladakh Power Supply Position(based on SCADA data)

	Inst Capacity	20:00	03:00	Day Peak			
Station/Constituents	(MW)	Peak MW	Off Peak MW	MW	HRS	Net MU	AVG MW
NCR_GENERATION	9225	5,729	2,968	6087	22:00:00	90.52	3,772
NCR_DRAWAL	-	13,080	12,494	14980	14:45:00	310	12,916
NCR_DEMAND	-	18,808	15,462	19287	21:45:00	400.5	16,687
LADAKH_DEMAND	-	18	-8	20	19:45:00	0.05	2

12. RE/Load Curtailment details

State	Load Curtailment (Shortage)			RE Curtailment				
	Energy	Maximum	At the time of maximum demand	Wind		Solar		Reason
	MU	MW	MW	Max MW	Energy(MU)	Max MW	Energy(MU)	
CHANDIGARH	0	0	0	0	0	0	0	
DELHI	0	0	0	0	0	0	0	
HARYANA	0	0	0	0	0	0	0	
HIMACHAL PRADESH	0	0	0	0	0	0	0	
J&K(UT) & Ladakh(UT)	0.54	220	0	0	0	0	0	
PUNJAB	0	0	0	0	0	0	0	
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	
RAJASTHAN	0	0	0	0	0	0	0	
UTTAR PRADESH	0.24	80.375	0	0	0	0	0	
UTTARAKHAND	1.76	425	0	0	0	0	0	

13.Grid Disturbance / Any Other Significant Event:

14.Weather Conditions :

15.Synchronisation of new generating units :

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

17.Instances of persistent/significant non-complaint with the grid code

18.Complete generation loss in a generating station :

19.Remarks :

No Records Found

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.
*Unscheduled Load Shedding carried out by Uttar Pradesh.

Shift In Charge