



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

Power Supply Position in Northern Region For 19-Aug-2025

Date of Reporting:20-Aug-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
79,491	0	79,491	50.05	70,721	0	70,721	50.02	1,785	0

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	95.83	18.01	0	4.29	0	1.85	119.97	198.51	197.85	-0.66	317.82	0	317.82
HARYANA	43.25	0.98	0.38	1.05	0	0.95	46.61	199.54	196.96	-2.58	243.57	0	243.57
RAJASTHAN	138.19	3.01	1.14	27.29	10.86	6.44	186.93	177.59	174.59	-3	361.52	0	361.52
DELHI	0	0	3.99	0	0	1.81	5.8	129.53	128.53	-1	134.33	0	134.33
UTTAR PRADESH	281.5	29	0	15.5	0	0.6	326.6	255.96	255.56	-0.4	582.16	0	582.16
UTTARAKHAND	0	22.87	0	0.45	0	0	23.33	25.61	26.62	1.01	49.95	0	49.95
HIMACHAL PRADESH	0	39.59	0	0.13	0	0	39.72	-4.42	-4.71	-0.29	35.01	0	35.01
J&K(UT) & Ladakh(UT)	0	21.29	0	0	0	0	21.29	27.71	28.74	1.03	50.03	0	50.03
CHANDIGARH	0	0	0	0	0	0	0	6.31	6.39	0.08	6.39	0	6.39
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.88	4.34	0.46	4.34	0	4.34
Region	558.77	134.75	5.51	48.71	10.86	11.65	770.25	1,020.22	1,014.87	-5.35	1,785.12	0	1,785.12

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	11,356	0	153	817	13,235	11,456	0	-110	3,009
HARYANA	11,186	0	-51	2,034	10,278	9,677	0	-166	2,571
RAJASTHAN	15,175	0	499	1,840	15,061	14,402	0	208	1,875
DELHI	5,782	0	-61	1,119	5,590	5,031	0	217	1,105
UTTAR PRADESH	29,104	0	-260	3,350	23,984	25,301	0	-170	1,764
UTTARAKHAND	2,338	0	85	-175	2,073	1,849	0	51	-589
HIMACHAL PRADESH	1,489	0	94	-860	1,460	1,254	0	-21	-891
J&K(UT) & Ladakh(UT)	2,562	0	274	-510	2,092	1,348	0	46	-1,514
CHANDIGARH	294	0	6	-65	266	215	0	7	-135
RAILWAYS_NR ISTS	207	0	42	56	181	190	0	21	61
Region	79,493	0	781	7,606	74,220	70,723	0	83	7,256

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	15,519	15:00	0	15,519	15,519	15:00	0	15,519	11,356	20:00	518.95	03:01:00	-395.43	19:36:00
HARYANA	11,330	21:00	0	11,330	11,330	21:00	0	11,330	8,974	7:00	792.85	14:53:00	-434.94	11:59:00
RAJASTHAN	16,256	11:00	0	16,256	16,256	11:00	0	16,256	13,691	18:00	1,298.44	16:24:00	-795.63	20:57:00
DELHI	6,205	23:00	0	6,205	6,205	23:00	0	6,205	4,663	6:00	584.34	14:46:00	-157.1	09:19:00
UP	29,767	21:00	0	29,767	29,767	21:00	0	29,767	18,992	7:00	1,331.05	19:01:00	-1,083.27	18:59:00
UTTARAKHA ..	2,395	19:00	0	2,395	2,395	19:00	0	2,395	1,849	3:00	309.92	09:28:00	-213.34	14:17:00
HP	1,678	7:00	0	1,678	1,678	7:00	0	1,678	1,240	1:00	252.84	17:13:00	-243.45	19:27:00
J&K(UT)&Lad ..	2,609	21:00	0	2,609	2,609	21:00	0	2,609	1,348	3:00	329.2	05:31:00	-335.92	10:06:00
CHANDIGARH	339	14:00	0	339	339	14:00	0	339	209	4:00	52.02	16:29:00	-44.66	14:44:00
RAILWAYS_NR ISTS	226	23:00	0	226	226	23:00	0	226	122	13:00	0	-	0	-
NR	80,688	21:00	0	80,688	80,688	21:00	0	80,688	66,399	7:00	0	-	0	-

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	-5	-5	-3.6	01:00	0		0	-0.13	-5
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	27	27	28.16	03:00	0		0.64	0.62	26
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	147	147	147.62	13:00	0		3.58	3.5	146
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	169	169					4.22	3.99	167
WIND	0	0	0	0		0				
BIOMASS(52)	52	70	69	0		0		1.84	1.81	75
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	239	238					6.06	5.8	242

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	446	345	484	21:00	334	13:30	9.64	8.75	365
JHAJJAR(CLP)(2 * 660)	1,320	1,205	748	1,227	21:00	730	13:30	22.39	20.8	867
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	433	183	456	23:00	178	14:15	6.76	6.06	253
RGTPP(KHEDAR)(2 * 600)	1,200	240	596	633	05:00	221	13:45	8.18	7.65	319
Total THERMAL	3,855	2,324	1,872					46.97	43.26	1,804
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	232	0	232	20:00	0		0.38	0.38	16
Total GAS/NAPTHA/DIESEL	432	232	0					0.38	0.38	16
TOTAL HYDRO HARYANA(64.8)	65	41	39	41	20:00	31	11:45	0.99	0.98	41
Total HYDEL	65	41	39					0.99	0.98	41
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		0.95	0.95	40
SOLAR(196)	196	0	0	0		0		1.05	1.05	44
Total HARYANA	4,654	2,597	1,911					50.34	46.62	1,945

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	141	137	141	20:00	45	10:00	3.06	3.06	128
BASPA (IPP) HPS(3 * 100)	300	311	310	311	01:00	310	02:00	7.45	7.36	307
MALANA (IPP) HPS(2 * 43)	86	86	90	90	01:00	0	23:30	1.95	1.94	81
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	111	111	07:00	111	01:00	2.66	2.66	111
OTHER HYDRO HP(503.75)	504	238	410	0		0		5.93	5.89	245
Total HYDEL	1,281	887	1,058					21.05	20.91	872
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	705	772	0		0		18.69	18.67	778
Total SMALL HYDRO	765	705	772					18.69	18.67	778
Total HP	2,065	1,592	1,830					39.87	39.71	1,655

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	0	0	0		0		17.78	17.64	735
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		3.68	3.65	152
Total HYDEL	1,208	0	0					21.46	21.29	887
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	0	0					21.46	21.29	887

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	491	21:00	290	01:00	8.45	7.52	313
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	357	249	361	19:00	242	02:00	7.91	6.76	282
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	603	466	757	23:59	464	09:00	13.91	12.54	523
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	1,320	1,320	01:00	1,095	04:00	32.72	31.32	1,305
TALWANDI SABO TPS(3 * 660)	1,980	1,841	1,138	1,841	07:00	931	04:00	40.42	37.7	1,571
Total THERMAL	5,680	4,501	3,463					103.41	95.84	3,994
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	114	113	116	10:00	113	03:00	2.77	2.77	115
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	147	153	158	18:00	141	22:00	3.59	3.58	149
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	500	600	20:00	0	04:00	5.09	5.07	211
SHANAN(4 * 15 + 1 * 50)	110	110	110	110	01:00	110	01:00	2.64	2.64	110
UBDC(3 * 15 + 3 * 15.5)	92	57	47	68	21:00	47	01:00	1.25	1.25	52
OTHER HYDRO PUNJAB	0	0	0	0		0		2.7	2.7	113
Total HYDEL	1,161	1,028	923					18.04	18.01	750
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.85	1.85	77
SOLAR(881)	881	41	40	483	12:00	40	03:00	4.29	4.29	179
Total PUNJAB	8,025	5,570	4,426					127.59	119.99	5,000

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	112	112	116	15:00	101	10:00	2.97	2.56	107
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,083	1,114	1,133	22:00	762	12:00	27.31	25.24	1,052
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	897	975	989	02:00	629	13:00	22.46	20.71	863
KAWAI TPS(2 * 660)	1,320	1,205	1,192	1,209	21:00	727	13:00	27.11	25.61	1,067
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	1,004	946	1,009	22:00	732	14:00	23.98	21.34	889
RAJWEST (IPP) LTPS(8 * 135)	1,080	720	666	728	22:00	600	12:00	18	15.57	649
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	1,292	1,146	1,389	22:00	940	13:00	29.72	27.17	1,132
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	6,313	6,151					151.55	138.2	5,759
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	49	67	68	01:00	48	15:00	1.2	1.14	48
Total GAS/NAPTHA/DIESEL	601	49	67					1.2	1.14	48
RAPS-A(1 * 100 + 1 * 200)	300	178	179	179	03:00	173	09:00	4.65	4.32	180
Total NUCLEAR	300	178	179					4.65	4.32	180
TOTAL HYDRO RAJASTHAN(550)	550	163	98	172	19:00	97	09:00	3.02	3.01	125
Total HYDEL	550	163	98					3.02	3.01	125
WIND(1 * 4328)	4,328	420	180	1,725	17:00	68	08:00	10.86	10.86	453
BIOMASS(102)	102	88	88	88	01:00	88	06:00	2.12	2.12	88
SOLAR(4568)	4,568	0	0	4,216	11:00	0	06:00	27.29	27.29	1,137
Total RAJASTHAN	21,064	7,211	6,763					200.69	186.94	7,790

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	1,354	1,374	1,383	02:00	841	08:00	33.4	31	1,292
ANPARA-C TPS(2 * 600)	1,200	550	555	555	01:00	384	08:00	14	13	542
ANPARA-D TPS(2 * 500)	1,000	464	468	473	04:00	357	08:00	11.8	11	458
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	406	226	406	19:00	226	01:00	7.4	6.6	275
BARA PPGCL TPS(3 * 660)	1,980	1,721	1,715	1,734	22:00	1,153	08:00	42	38.8	1,617
GHATAMPUR TPS (1*660)	660	557	321	563	19:00	303	14:00	11.2	10.1	421
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	692	580	716	23:00	426	05:00	15.8	14.3	596
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	998	986	998	20:00	629	05:00	22.5	20.2	842
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	578	581	596	04:00	486	13:00	15.3	13.8	575
LALITPUR TPS(3 * 660)	1,980	1,833	1,845	1,845	03:00	1,013	08:00	39.3	36.9	1,538
MEJA TPS(2 * 660)	1,320	1,212	1,222	1,239	02:00	675	07:00	25.1	23.5	979
OBRA TPS (5 * 200+1*660)	1,660	971	965	977	05:00	849	10:00	24.5	22.1	921
PANKI_I TPS(1 * 660)	660	271	0	299	23:00	0	01:00	1.4	1.2	50
PARICHA TPS(2 * 210 + 2 * 250)	920	784	763	791	06:00	477	14:00	16.3	14.9	621
ROSA TPS(4 * 300)	1,200	1,077	613	1,087	19:00	589	08:00	22.8	20.8	867
TANDA TPS(4 * 110)	440	190	116	190	20:00	98	23:00	3.7	3.3	138
Total THERMAL	19,190	13,658	12,330					306.5	281.5	11,732
ALAKHANANDA HEP(4 * 82.5)	330	350	334	352	19:00	322	07:00	8.1	8.1	338
RIHAND HPS(6 * 50)	300	285	285	285	01:00	235	12:00	6.7	6.7	279
VISHNUPARYAG HPS(4 * 110)	440	436	436	436	01:00	436	01:00	10.5	10.5	438
OTHER HYDRO UP(227)	227	158	157	164	23:59	134	16:00	3.7	3.7	154
Total HYDEL	1,297	1,229	1,212					29	29	1,209
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	1,842	11:00	0	01:00	15.5	15.5	646
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	14,912	13,567					351.6	326.6	13,612

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	0	0	0		0				
SARAVANTI	450	0	0	0		0				
Total GAS/NAPTHA/DIESEL	675	0	0					0	0	0
OTHER HYDRO UK(1250)	1,250	941	972	973	07:00	913	16:00	22.95	22.87	953
Total HYDEL	1,250	941	972					22.95	22.87	953
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	55	09:00	1	18:00	0.45	0.45	19
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	941	972					23.4	23.32	972

3(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	1,418	851	1,503	16:15	831	14:00	23.34	25.2	23.42	0.13	976	-0.05
Sub-Total	1,500	1,411	1,418	851	-	-	-	-	23.34	25.2	23.42	0.13	976	-0.05
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,392	1,428	1,420	1,431	14:00	1,419	02:00	33.41	34.28	33.86	0	1,411	0.45
DEHAR HPS(6 * 165)	990	640	660	590	660	20:00	0	15:00	10.08	10.68	10.38	0	433	0.3
PONG HPS(6 * 66)	396	352	360	360	360	20:00	360	20:00	8.45	8.69	8.57	0	357	0.12
Sub-Total	2,801	2,384	2,448	2,370	-	-	-	-	51.94	53.65	52.81	0	2,201	0.87
NHPC														
BAIRASIUL HPS(3 * 60)	180	186	185	185	187	21:30	165.44	13:15	4.29	4.46	4.41	0	184	0.12
CHAMERA I HPS(3 * 180)	540	536	539	546	546	03:00	538	01:00	12.81	12.97	12.83	0	535	0.02
CHAMERA II HPS(3 * 100)	300	312	300	300	304	12:00	298	08:00	7.16	7.22	7.17	0	299	0.01
CHAMERA III HPS(3 * 77)	231	240	230	232	234	21:00	154.1	16:00	5.27	5.28	5.22	-0.03	218	-0.02
DHAULIGANGA HPS(4 * 70)	280	292	283	284	283	20:00	282.8	01:00	6.69	6.79	6.77	0	282	0.08
DULHASTI HPS(3 * 130)	390	257	257	261	262	11:00	244.8	13:00	6.15	6.23	6.14	0	256	-0.01
KISHANGANGA(3 * 110)	330	336	336	331	336	20:00	226.1	11:00	7.42	7.55	7.51	0	313	0.09
PARBATI III HEP(4 * 130)	520	260	250	250	260	19:00	0	-	5.88	5.92	5.88	0	245	0
PARBATI-II(4 * 200)	800	394	398	570	572	10:00	379.9	14:00	10.83	11.39	10.91	0	455	0.08
SALAL HPS(6 * 115)	690	670	694	681	695	17:00	608	12:00	15.96	16.29	16.1	0	671	0.14
SEWA-II HPS(3 * 40)	120	126	127	124	127	19:00	0	-	2.87	2.98	2.98	0	124	0.11
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	105	106	106	12:00	104.63	15:00	2.26	2.53	2.5	0	104	0.24
URI HPS(4 * 120)	480	440	451	446	460	14:15	65	23:45	10.2	10.44	10.36	0	432	0.16
URI-II HPS(4 * 60)	240	215	227	226	228	16:30	225.16	11:15	5.18	5.48	5.44	0	227	0.26
Sub-Total	5,195	4,357	4,382	4,542	-	-	-	-	102.97	105.53	104.22	-0.03	4,345	1.28
NPCL														
NAPS(2 * 220)	440	190	216	214	220	14:00	0	-	4.56	5.09	4.5	0	188	-0.06
RAPP-D	700	429	0	0	0	-	0	-	10.3	11.56	10.26	0	428	-0.04
RAPS-B(2 * 220)	440	338	390	396	397	08:00	0	-	8.12	0.94	8.27	0	345	0.15
RAPS-C(2 * 220)	440	403	444	448	448	01:00	0	-	9.67	10.76	9.67	0	403	0
Sub-Total	2,020	1,360	1,050	1,058	-	-	-	-	32.65	28.35	32.7	0	1,364	0.05
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	384	159	0	160	19:28	0	-	0.35	0.26	0.23	0	10	-0.12
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	626	76	0	205	19:30	0	-	0.44	0.23	0.17	0	7	-0.27
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	805	177	0	245	-	0	-	0.51	0.23	0.19	0	8	-0.32
DADRI-I TPS(4 * 210)	840	769	335	223	335	20:00	0	-	5.57	6.6	5.83	0	243	0.26
DADRI-II TPS(2 * 490)	980	919	866	508	866	20:00	0	-	14.21	15.44	14.14	0	589	-0.07
KOLDAM HPS(4 * 200)	800	871	865	868	871	12:00	0	-	20.91	20.93	20.82	0	868	-0.09
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	3.39	0.64	0.63	0	26	-2.76
RIHAND-I STPS(2 * 500)	1,000	450	480	476	487	21:00	290	13:00	9.52	10.36	9.24	-0.02	385	-0.26
RIHAND-II STPS(2 * 500)	1,000	943	960	1,004	1,006	02:00	547	10:00	19.92	21.28	19.88	0.03	828	-0.07
RIHAND-III STPS(2 * 500)	1,000	943	946	988	1,006	21:00	543	13:00	19.86	20.89	19.71	-0.12	821	-0.03
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	0.1	0.1	0	4	0.1
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,360	1,496	1,295	1,496	20:00	0	-	26.77	29.61	26.78	0	1,116	0.01
TANDA TPS STAGE-II(2 * 660)	1,320	1,244	1,205	871	1,205	20:00	0	-	23.13	24.83	23.11	0	963	-0.02
UNCHAHAH II TPS(2 * 210)	420	375	416	261	422	16:00	248	07:30	6.37	7.53	6.71	0.22	280	0.12
UNCHAHAH III TPS(1 * 210)	210	189	199	122	207	21:30	113	08:00	3.23	3.65	3.3	0.02	138	0.05
UNCHAHAH IV TPS(1 * 500)	500	425	413	305	475	16:00	286	13:00	7.92	8.7	8.13	0.27	339	-0.06
UNCHAHAH TPS(2 * 210)	420	365	380	249	390	20:30	238	08:00	6.32	7.07	6.21	0	259	-0.11
Sub-Total	12,655	10,668	8,973	7,170	-	-	-	-	168.42	178.35	165.18	0.4	6,884	-3.64
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,625	1,644	1,648	12:00	1,614	18:00	38.81	39.43	39.12	0	1,630	0.31
RAMPUR HEP(6 * 68.67)	412	449	447	449	453	12:00	435	13:00	10.5	10.9	10.82	0	451	0.32
Sub-Total	1,912	2,079	2,072	2,093	-	-	-	-	49.31	50.33	49.94	0	2,081	0.63
THDC														
KOTESHWAR HPS(4 * 100)	400	400	392	404	407	02:00	381	18:00	9.56	9.47	9.46	0	394	-0.1
TEHRI HPS(4 * 250)	1,000	1,040	1,016	1,031	1,051	16:00	0	09:00	20.26	20.3	20.12	-0.01	838	-0.13
TEHRI PSP(4 * 250)	1,000	463	463	463	463	-	0	-	5.77	7.42	5.89	0	245	0.12
Sub-Total	2,400	1,903	1,871	1,898	-	-	-	-	35.59	37.19	35.47	-0.01	1,477	-0.11

Total	28,483	24,162	22,214	19,982				464.22	478.6	463.74	0.49	19,328	-0.97
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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	208	211	211	211	20:00	0	-	5	5.13	5.09	212	0.09
BUDHIL HPS (IPP)(2 * 35)	70	69	78	77	78	20:00	64.82	11:00	1.78	1.8	1.79	75	0.01
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,140	1,140	1,140	20:00	1,140	11:00	27.03	27.2	27.01	1,125	-0.02
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	-	-	-	-
SHREE CEMENT (IPP) TPS(2 * 150)	300	336	342	90	342	20:00	0	-	3.82	4.06	3.75	156	-0.07
SINGOLI BHATWARI HEP(3 * 33)	99	107	107	99	107	20:00	0	-	2.09	2.3	2.28	95	0.19
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	94	104	101	104	20:00	0	-	2.31	2.46	2.45	102	0.14
Sub-Total	1,906	1,940	1,982	1,718	-	-	-	-	42.03	42.95	42.37	1,765	0.34
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.43	1.2	1.17	49	-1.26
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.28	1.05	1.04	43	-0.24
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	231	12:20	0	-	1.34	1.08	1.08	45	-0.26
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	316	12:33	0	-	2.07	1.91	1.9	79	-0.17
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	1.79	1.38	1.37	57	-0.42
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	315	12:30	0	-	2.05	1.87	1.87	78	-0.18
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	321	12:33	0	-	1.93	1.96	1.95	81	0.02
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.25	1.25	1.25	52	0
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	320	12:33	0	-	1.95	1.9	1.89	79	-0.06
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.49	0.43	0.43	18	-0.06
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.48	0.4	0.4	17	-0.08
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	0	-	0	-	2.28	2.1	2.06	86	-0.22
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	191	11:52	0	-	1.14	0.79	0.79	33	-0.35
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	104	09:30	0	-	0.74	0.52	0.51	21	-0.23
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	102	09:30	0	-	0.93	0.51	0.51	21	-0.42
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.24	0.24	0.24	10	0
ADANI SOLAR ENERGY RJ TWO PVT LTD. BHADLA(1*150)	150	0	0	0	150	10:39	0	-	0.87	0.7	0.7	29	-0.17
ADANI SOLAR ENERGY RJ TWO PVT LTD. FATEGARH 2(1*180)	180	0	0	0	174	13:09	0	-	1.44	1.01	1	42	-0.44
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	91	09:05	0	-	0.55	0.45	0.45	19	-0.1
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	2.44	2.4	2.38	99	-0.06
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	1.01	1.01	1	42	-0.01
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.48	0.38	0.38	16	-0.1
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	78	09:44	0	-	0.5	0.37	0.36	15	-0.14
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.23	0.22	0.22	9	-0.01
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	182	10:06	0	-	1.17	0.78	0.78	33	-0.39
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	274	10:05	0	-	1.68	1.2	1.2	50	-0.48
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	320	11:41	0	-	1.88	1.44	1.44	60	-0.44
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	237	10:31	0	-	1.46	1	1	42	-0.46
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	237	10:00	0	-	1.48	0.98	0.98	41	-0.5
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	230	09:55	0	-	1.28	1.1	1.1	46	-0.18
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	334	14:30	0	-	2.5	1.93	1.93	80	-0.57
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	195	12:50	0	-	1.01	0.77	0.77	32	-0.24
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	276	12:38	0	-	1.7	1.15	1.15	48	-0.55
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	133	11:41	0	-	0.76	0.57	0.57	24	-0.19
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.83	1	0.97	40	0.14
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	306	11:39	0	-	1.72	1.24	1.24	52	-0.48
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	251	12:16	0	-	1.45	1.07	1.06	44	-0.39

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	1.07	1.05	44	-0.15
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.25	0.6	0.59	25	-0.66
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	305	13:40	0	-	1.94	1.77	1.77	74	-0.17
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	302	12:10	0	-	1.9	1.71	1.67	70	-0.23
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.29	1.09	1.07	45	-0.22
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	78	09:58	0	-	0.48	0.36	0.35	15	-0.13
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	76	09:42	0	-	0.46	0.36	0.36	15	-0.1
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.47	1.47	1.47	61	0
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	38	09:55	0	-	0.25	0.17	0.17	7	-0.08
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	162	09:49	0	-	0.79	0.67	0.67	28	-0.12
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.33	0.94	0.93	39	-0.4
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	2.85	2.34	2.3	96	-0.55
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	50	11:40	0	-	0.27	0.18	0.18	8	-0.09
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	44	11:19	0	-	0.29	0.19	0.19	8	-0.1
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	285	11:45	0	-	1.66	1.21	1.21	50	-0.45
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	75	09:57	0	-	0.48	0.35	0.35	15	-0.13
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.41	1.05	1.05	44	-0.36
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.53	0.64	0.64	27	-0.89
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.52	0.52	0.51	21	-0.01
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.99	0.94	0.93	39	-0.06
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.38	1.12	1.1	46	-0.28
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	302	13:22	0	-	1.82	1.75	1.75	73	-0.07
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	210	09:53	0	-	1.18	0.91	0.91	38	-0.27
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	299	13:40	0	-	1.85	1.74	1.74	73	-0.11
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	168	09:49	0	-	0.29	0.72	0.72	30	0.43
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.39	0.71	0.71	30	-0.68
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	300	14:00	0	-	1.82	1.67	1.67	70	-0.15
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	305	12:19	0	-	1.95	1.89	1.88	78	-0.07
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	1.09	0.97	0.96	40	-0.13
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	202	11:36	0	-	1.28	1.27	1.26	53	-0.02
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	2	1.88	1.85	77	-0.15
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	99	12:06	0	-	0.65	0.61	0.61	25	-0.04
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	193	13:00	0	-	1.33	0.8	0.8	33	-0.53
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	191	11:38	0	-	1.08	0.77	0.77	32	-0.31
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	301	13:49	0	-	1.76	1.47	1.47	61	-0.29
SJVN GREEN ENERGY LIMITED	242	0	0	0	361	10:12	0	-	1.88	1.62	1.6	67	-0.28
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	0.89	0.73	0.71	30	-0.18
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	197	09:38	0	-	1.18	0.91	0.91	38	-0.27
SINGRAULI SOLAR(15)	15	0	0	0	6	12:00	0	-	0.06	0.05	0.05	2	-0.01
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	249	12:50	0	-	1.77	1.57	1.57	65	-0.2
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	72	09:05	0	-	0.13	0.34	0.34	14	0.21
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	163	10:23	0	-	1.1	0.69	0.69	29	-0.41
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	306	12:31	0	-	1.75	1.42	1.39	58	-0.36
TATA POWER SAURYA LIMITED	110	0	0	0	78	09:46	0	-	0.45	0.33	0.33	14	-0.12
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	236	10:03	0	-	1.46	1	1	42	-0.46
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.28	0.28	0.27	11	-0.01
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	87	09:51	0	-	0.53	0.4	0.4	17	-0.13
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	52	15:11	0	-	0.24	0.2	0.2	8	-0.04
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.28	0.16	0.16	7	-0.12
UNCHAHAHAR SOLAR(10)	10	0	0	0	6	13:00	0.734	08:30	0.04	0.04	0.04	2	0

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	240	15:18	0		1.71	1.57	1.56	65	-0.15
Sub-Total	18,548	0	0	0	-	-	-	-	105.83	86.6	86.04	3,592	-19.79
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	576	10:41	0	-	4.49	3.74	3.73	155	-0.76
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	2.73	3.07	3.06	128	0.33
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	345	10:52	0	-	2.41	2.06	2.06	86	-0.35
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	26	8	89	03:30	0	-	0.76	0.68	0.68	28	-0.08
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	296	-	0	-	2.21	1.97	1.97	82	-0.24
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	22	2	62	04:15	0	-	0.52	0.43	0.43	18	-0.09
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	293	10:00	0	-	2.29	1.97	1.97	82	-0.32
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	17	9	70	04:15	0	-	0.53	0.47	0.47	20	-0.06
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	423	12:43	0	-	2.6	2.52	2.52	105	-0.08
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	40	0	80	17:45	0	-	0.79	0.62	0.62	26	-0.17
Sub-Total	2,846	0	105	19	-	-	-	-	19.33	17.53	17.51	730	-1.82
Total	23,300	1,940	2,087	1,737					167.19	147.08	145.92	6,087	-21.27

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	33,062	29,707	821.01	770.27	32,103
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		12,515	11,345	428.96	428.96	18,214
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-29	-51	1.02	1.02	65
Total Regional Availability(Gross)	118,257	69,849	62,720	1,876.67	1,809.91	75,797

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	13,278	13,399	306.62	301.98	12,585
State Control Area Hydro	7,855	4,994	5,074	135.2	134.74	5,615
Total Regional Hydro	22,577	18,272	18,473	441.82	436.72	18,200

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,639	105	19	104.77	104.18	4,348
State Control Area Renewable	13,630	619	377	66.33	66.3	2,763
Total Regional Renewable	35,269	724	396	171.1	170.48	7,111

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,773	0	0	99.5	98.92	4,128
State Control Area Solar	8,586	41	40	48.71	48.71	2,030
Total Solar	29,359	41	40	148.21	147.63	6,158

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	105	19	5.27	5.26	220
State Control Area Wind	4,328	420	180	10.86	10.86	453
Total Wind	5,194	525	199	16.13	16.12	673

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	-	-	-	-	-	-	-
2	132KV-Chandauli (UP)-Karmnasa(PG)	-	-	-	-	-	-	-
3	132KV-Rihand (UP)-Garhwa(CG)	-	-	-	-	0	0.4	-0.4
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.9	0	1.9
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.82	0	0.82
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0.41	0	0.41
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	1.07	0	1.07
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	6.52	0	6.52
10	400KV-Gorakhpur (UP)-Motihari(DMT)	386	346	476	10	6.03	0	6.03
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	781	628	886	0	13.13	0	13.13

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	3.85	0	3.85
13	400KV-Varanasi (PG)-Sasaram(PG)	58	61	127	0	1.49	0	1.49
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	13.73	0	13.73
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	3.34	0	3.34
16	765KV-Varanasi (PG)-Gaya(PG)	-610	-349	722	424	6.21	0	6.21
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	400	400	400	-	9.51	0	9.51
Sub-Total EAST REGION		1,015	1,086	2,611	434	68.01	0.4	67.61
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	300	300	300	-	7.35	0	7.35
Sub-Total NORTH_EAST REGION		300	300	300	0	7.35	0	7.35
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)	-18	-1	-	102	0.04	0	0.04
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	131	123	141	-	3.07	0	3.07
6	220KV-Ranpur (RS)-Bhanpura(MP)	97	104	123	-	2.4	0	2.4
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	415	652	823	39	12.2	0	12.2
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	0.55	-0.55
10	400KV-RAPS C (NP)-Sujalpur	-	-	-	-	7.32	0	7.32
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-766	-917	0	959	0	14.21	-14.21
13	765KV-0rai-Jabalpur	2,535	2,481	2,998	0	52.85	0	52.85
14	765KV-0rai-Satna	988	978	1,100	0	14.75	0	14.75
15	765KV-Agra (PG)-Gwalior(PG)	2,430	1,912	2,871	-	48.18	0	48.18
16	765KV-Chittorgarh-Banaskata D/C	850	405	-1,543	1,133	0	2.91	-2.91
17	765KV-Phagi (RJ)-Gwalior(PG)	1,761	1,693	2,080	-	30.75	0	30.75
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-2,973	-3,219	3,624	0	67.42	0	67.42
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,250	1,248	1,253	0	29.18	0	29.18
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	500	500	500	0	7.79	0	7.79
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	4,000	4,000	4,000	0	95.72	0	95.72
Sub-Total WEST REGION		11,200	9,959	17,970	2,233	371.67	17.67	354
TOTAL IR EXCHANGE		12,515	11,345	20,881	2,667	447.03	18.07	428.96

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	103.23	11.08	0	1.89	0	104.9	67.61	-37.29
NR-NORTH_EAST REGION	0	0	0	0	0	0	7.35	7.35
NR-WR	204.79	105.46	0	25.33	0	322.21	354	31.79
Total	308.02	116.54	0	27.22	0	427.11	428.96	1.85

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)	-29	-51	65.256	0	1.02	0	1.02	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	0	.01	3.11	40.21	78.07	14.97	2.57	1.28	18.82

<-----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.	
50.26	13:04:40	49.8	16:10:00	50.01	0.032	0.056	50.22	49.89	21.93

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	409	05:00	397	11:55	0	0	0	0	0
Amritsar(PG) - 400KV	406	21:05	389	11:55	0	8.33	0	0	0
Ballabgarh(PG) - 400KV	414	07:55	391	21:40	0	0	0	0	0

Bareilly II(PG) - 400KV	416	07:45	392	21:20	0	0	0	0	0
Bareilly(UP) - 400KV	417	07:45	393	21:20	0	0	0	0	0
Baspa(HP) - 400KV	405	19:05	393	13:55	0	0	0	0	0
Bassi(PG) - 400KV	414	07:55	391	22:15	0	0	0	0	0
Bawana(DTL) - 400KV	416	08:00	400	11:50	0	0	0	0	0
Dadri HVDC(PG). - 400KV	414	07:45	397	21:40	0	0	0	0	0
Gorakhpur(PG) - 400KV	417	07:20	387	19:20	0	9.38	0	0	0
Hisar(PG) - 400KV	414	07:00	396	11:50	0	0	0	0	0
Kanpur(PG) - 400KV	418	08:00	392	21:40	0	0	0	0	0
Kashipur(UT) - 400KV	417	06:00	406	19:25	0	0	0	0	0
Kishenpur(PG) - 400KV	409	04:00	400	11:35	0	0	0	0	0
Moga(PG) - 400KV	406	21:05	391	14:55	0	0	0	0	0
Nallagarh(PG) - 400KV	405	19:05	393	13:55	0	0	0	0	0
Rihand HVDC(PG) - 400KV	402	13:05	390	19:40	0	0	0	0	0
Rihand(NT) - 400KV	400	13:05	392	21:35	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	792	13:10	767	21:00	0	0	0	0	0
Balia(PG) - 765KV	789	08:00	740	21:40	0	3.47	0	0	0
Bareilly II(PG) - 765KV	795	07:45	745	21:20	0	0	0	0	0
Bhiwani(PG) - 765KV	795	07:00	766	21:20	0	0	0	0	0
Fatehpur(PG) - 765KV	797	07:55	750	21:40	0	0	0	0	0
Jhatikara(PG) - 765KV	794	08:00	756	21:40	0	0	0	0	0
Lucknow II(PG) - 765KV	796	08:00	736	21:20	0	7.99	0	0	0
Meerut(PG) - 765KV	790	08:00	755	20:40	0	0	0	0	0
Moga(PG) - 765KV	799	13:10	767	09:15	0	0	0	0	0
Phagi(RJ) - 765KV	796	08:00	766	22:15	0	0	0	0	0
Unnao(UP) - 765KV	787	08:00	742	21:40	0	1.74	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	1,770.38	2.9	0	1,235.58	0	0	0	1,866.91	0	0	-1,000	0	0	-50
HARYANA	2,809	76.74	-15	-300	0	0	0	2,904.58	1.32	2.23	-73.87	0	-300	-500
RAJASTHAN	1,100.41	41.72	732.86	0	0	0	0	1,256.83	3.31	181.96	108.5	0	289.59	0
DELHI	1,005.08	0.77	-166.67	265.62	0	0	0	1,100.77	45.24	56.76	-83.5	0	0	0
UTTAR PRADESH	499.99	103.28	112.78	1,047.54	0	0	0	1,487.12	33.55	216.21	1,081.75	0	0	530.92
UTTARAKHA ..	-539.68	-3.2	0	-46.52	0	0	0	-301.74	-10.2	62.92	73.77	0	0	0
HIMACHAL PRADESH	-764.08	-90	-70.81	33.58	0	0	0	-865.08	-90	-23.28	118.73	0	0	0
J&K(UT) & LADAKH(UT)	-400	0	-14.4	-1,100	0	0	0	-522	-56.7	-16.3	84.83	0	0	0
CHANDIGARH	59.97	0	-195	0	0	0	0	79.4	0	-120	-24	0	0	0
RAILWAYS_NRISTS	36.16	25.1	0	0	0	0	0	36.16	5.72	9.68	4.91	0	0	0
TOTAL	5,577.23	157.31	383.76	1,135.8	0	0	0	7,042.95	-67.76	370.18	291.12	0	-10.41	-19.08

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	116.68	44.01	0.07	6.28	31.47	198.51
HARYANA	140.9	73.88	1.09	-3.51	-12.26	199.62
RAJASTHAN	128.62	25.43	0.2	10.35	12.99	177.59
DELHI	98.25	23.69	0.45	1.27	5.87	129.53
UTTAR PRADESH	225.06	10.19	1.23	3.92	15.24	255.96
UTTARAKHAND	34.73	-9.03	-0.11	-0.91	0.93	25.61
HIMACHAL PRADESH	14.23	-19.24	-1.82	-1.34	3.75	-4.42
J&K(UT) & LADAKH(UT)	46.03	-4.95	-0.52	-0.22	-12.63	27.71
CHANDIGARH	7.82	1.29	0	-2.66	-0.14	6.31
RAILWAYS_NR ISTS	2.63	0.87	0.18	0.18	0.02	3.88
TOTAL	814.95	146.14	0.77	13.36	45.24	1,020.3

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	5,143.03	4,464.42	2,019.97	1,632.48	193.06	0	0	0
HARYANA	6,666.67	5,227.7	3,553.95	2,635.26	88.61	0	0	0
RAJASTHAN	5,695.75	4,641.58	1,265.33	797.82	50.41	-19.27	0	0
DELHI	4,584.64	3,512.64	1,130.09	750.35	196.9	0	0	0
UTTAR PRADESH	11,487.5	7,499.02	1,670.22	-95.87	158	-12.69	0	0
UTTARAKHAND	1,579.39	1,173.23	-293.05	-539.68	-1.85	-15.2	0	0
HIMACHAL PRADESH	1,095.2	268.43	-718.17	-865.08	-48.07	-90	0	0
J&K(UT) & Ladakh(UT)	1,997.41	1,771.8	0	-522	0	-56.7	0	0
CHANDIGARH	368.77	260.44	79.4	29.41	0	0	0	0
RAILWAYS_NR ISTS	120.64	95.13	36.16	36.16	25.1	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	925.72	0	0	0	3,088.57	-1,200	0	-50
HARYANA	6.76	-837.3	0	-300	96.53	-1,218.6	0	-500
RAJASTHAN	1,231.67	-80.43	289.59	0	1,544.48	-302.2	154.45	0
DELHI	396.83	-255.49	0	0	694.05	-123.63	0	0
UTTAR PRADESH	989.44	-629.94	0	-30.07	2,042.62	-1,184.54	617.79	0
UTTARAKHAND	90.91	-324.44	0	0	165.65	-100	0	0
HIMACHAL PRADESH	61.77	-83.3	0	0	420.7	-11.89	0	0
J&K(UT) & LADAKH(UT)	0	-16.3	0	0	313.13	-1,138.5	0	0
CHANDIGARH	0	-200	0	0	19.31	-36	0	0
RAILWAYS_NR ISTS	25.1	0	0	0	8.69	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	507.73	1,441	497.38	995	1,679.33	1,036.96
Chamera-I	748.75	760	753.95	757.65	13	-	-	525.46	351.33
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.6	5	610.3	5	589	659.52
Pong	384.05	426.72	1,084	421.58	961	413.35	611	1,912.15	494.64
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	523.51	351	500.92	113	1,127.7	163.62
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	821.8	993	812.57	815	880.98	447
TOTAL	-	-	-	-	3,764	-	2,539	6,714.62	3,153.07

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	13.89
ER	0
Simultaneous	14.58
Delhi	0
Rajasthan	45.83
UP	0
Punjab	0
Haryana	0

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

WR	18.06
ER	0
Simultaneous	19.79
Delhi	0
Rajasthan	55.21
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	1	7
DELHI	3	12
HARYANA	8	20
HIMACHAL PRADESH	6	13
J&K(UT) & Ladakh(UT)	8	13
PUNJAB	2	13
RAJASTHAN	6	18
UTTAR PRADESH	1	10
UTTARAKHAND	6	12

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	4,900	2,899	5220	19:30:00	81.84	3,410
NCR_DRAWAL	-	14,238	13,480	15563	22:45:00	331.23	13,801
NCR_DEMAND	-	19,138	16,379	19954	22:15:00	413.08	17,211
LADAKH_DEMAND	-	12	-8	13	19:45:00	0	0

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	0	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	0	0	0	0	0	0	
UTTARAKHAND	0	0	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