



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

Power Supply Position in Northern Region For 24-Aug-2025

Date of Reporting:25-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
63,624	0	63,624	50.03	64,249	0	64,249	49.96	1,441	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	72.55	20.45	0	2.23	0	1.72	96.95	141.31	138.23	-3.08	235.18	0	235.18
HARYANA	46.52	0.64	0	0.59	0	1.18	48.93	161.98	158.61	-3.37	207.54	0	207.54
RAJASTHAN	81.57	3.46	1.71	13.86	14.39	6.14	121.13	130.37	123.91	-6.46	245.04	0	245.04
DELHI	0	0	3.99	0	0	1.74	5.73	115.85	114.88	-0.97	120.61	0	120.61
UTTAR PRADESH	245.4	28.6	0	7.9	0	0.6	282.5	221.13	220.06	-1.07	502.56	0	502.56
UTTARAKHAND	0	18.19	0	0.63	0	0	18.81	27.3	28.31	1.01	47.12	0	47.12
HIMACHAL PRADESH	0	39.45	0	0.13	0	0	39.57	-6.89	-6.73	0.16	32.84	0	32.84
J&K(UT) & Ladakh(UT)	0	23.46	0	0	0	0	23.46	18.95	16.79	-2.16	40.25	0	40.25
CHANDIGARH	0	0	0	0	0	0	0	6.08	5.92	-0.16	5.92	0	5.92
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.84	3.96	0.12	3.96	0	3.96
Region	446.04	134.25	5.7	25.34	14.39	11.38	637.08	819.92	803.94	-15.98	1,441.02	0	1,441.02

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	7,493	0	-236	-862	9,808	11,404	0	-219	2,607
HARYANA	8,138	0	45	1,362	8,745	9,565	0	-222	2,822
RAJASTHAN	11,360	0	17	1,365	10,774	11,120	0	263	877
DELHI	5,357	0	-213	1,451	5,024	4,646	0	102	855
UTTAR PRADESH	25,040	0	-206	2,324	20,854	22,533	0	-220	1,288
UTTARAKHAND	2,205	0	5	-45	1,972	1,944	0	54	-302
HIMACHAL PRADESH	1,409	0	31	-643	1,365	1,259	0	56	-624
J&K(UT) & Ladakh(UT)	2,184	0	-51	-472	1,677	1,349	0	-15	-1,414
CHANDIGARH	267	0	-12	-102	246	240	0	25	-126
RAILWAYS_NR ISTS	171	0	2	67	165	191	0	22	67
Region	63,624	0	-618	4,445	60,630	64,251	0	-154	6,050

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	12,418	7:00	0	12,418	12,418	7:00	0	12,418	6,987	18:00	1,260.39	09:53:00	-462.76	19:27:00
HARYANA	9,819	0:00	0	9,819	9,819	0:00	0	9,819	7,257	18:00	947.62	15:29:00	-294.26	13:41:00
RAJASTHAN	11,876	0:00	0	11,876	11,876	0:00	0	11,876	9,539	15:00	1,289.4	10:36:00	-698.1	07:45:00
DELHI	5,733	23:00	0	5,733	5,733	23:00	0	5,733	4,255	8:00	322.13	16:58:00	-232.33	15:29:00
UP	25,045	0:00	0	25,045	25,045	0:00	0	25,045	16,914	17:00	1,496.85	19:01:00	-842.6	19:14:00
UTTARAKHA ..	2,239	19:00	0	2,239	2,239	19:00	0	2,239	1,673	12:00	182.93	11:57:00	-261.3	15:29:00
HP	1,612	9:00	0	1,612	1,612	9:00	0	1,612	1,132	23:00	219.27	17:31:00	-219.85	22:36:00
J&K(UT)&Lad ..	2,197	21:00	0	2,197	2,197	21:00	0	2,197	1,034	6:00	802.27	05:55:00	-274.24	14:01:00
CHANDIGARH	288	15:00	0	288	288	15:00	0	288	212	17:00	70.85	15:01:00	-40.51	19:29:00
RAILWAYS_NR ISTS	191	3:00	0	191	191	3:00	0	191	128	16:00	0	-	0	-
NR	69,772	0:00	0	69,772	69,772	0:00	0	69,772	52,604	17:00	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	-2	-3	-1.28	01:00	0		0	-0.13	-5
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	26	28	27.9	03:00	0		0.64	0.62	26
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	146	147	147.57	13:00	0		3.59	3.5	146
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	170	172					4.23	3.99	167
WIND	0	0	0	0		0				
BIOMASS(52)	52	64	71	0		0		1.77	1.74	73
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	234	243					6	5.73	240

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	338	344	345	11:00	336	19:00	8.83	7.97	332
JHAJJAR(CLP)(2 * 660)	1,320	748	743	762	22:00	730	13:00	19.36	17.97	749
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	524	529	534	17:00	519	10:00	13.55	12.2	508
RGTPP(KHEDAR)(2 * 600)	1,200	353	364	375	11:00	349	07:00	8.75	8.38	349
Total THERMAL	3,855	1,963	1,980					50.49	46.52	1,938
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	0	0	0		0				
Total GAS/NAPTHA/DIESEL	432	0	0					0	0	0
TOTAL HYDRO HARYANA(64.8)	65	37	0	45	10:00	1	07:00	0.64	0.64	27
Total HYDEL	65	37	0					0.64	0.64	27
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		1.18	1.18	49
SOLAR(196)	196	0	0	0		0		0.59	0.59	25
Total HARYANA	4,654	2,000	1,980					52.9	48.93	2,039

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	0	135	191	15:00	0	18:00	2.44	2.44	102
BASPA (IPP) HPS(3 * 100)	300	307	307	307	01:00	306	22:00	7.36	7.36	307
MALANA (IPP) HPS(2 * 43)	86	81	80	81	12:00	61	11:00	1.92	1.92	80
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	111	111	01:00	111	06:00	2.66	2.66	111
OTHER HYDRO HP(503.75)	504	392	358	0		0		8.04	8.01	334
Total HYDEL	1,281	891	991					22.42	22.39	934
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	795	511	0		0		17.07	17.06	711
Total SMALL HYDRO	765	795	511					17.07	17.06	711
Total HP	2,065	1,686	1,502					39.62	39.58	1,650

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		21.31	21.31	888
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		2.15	2.15	90
Total HYDEL	1,208	0	0					23.46	23.46	978
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					23.46	23.46	978

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	290	290	290	01:00	290	01:00	7.79	6.9	288
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	252	247	279	10:00	247	01:00	7	6.12	255
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	608	612	612	01:00	608	07:00	15.98	14.59	608
RAJPURA(NPL) TPS(2 * 700)	1,400	810	715	1,320	01:00	660	12:00	21.71	20.69	862
TALWANDI SABO TPS(3 * 660)	1,980	924	1,075	1,525	07:00	924	10:00	26.21	24.24	1,010
Total THERMAL	5,680	2,884	2,939					78.69	72.54	3,023
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	116	116	116	01:00	112	21:00	2.79	2.79	116
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	131	131	134	11:00	131	01:00	3.1	3.1	129
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	480	600	13:00	0	05:00	8.38	8.36	348
SHANAN(4 * 15 + 1 * 50)	110	95	110	110	01:00	0	23:45	2.15	2.15	90
UBDC(3 * 15 + 3 * 15.5)	92	36	69	69	01:00	35	17:00	1.18	1.18	49
OTHER HYDRO PUNJAB	0	0	0	0		0		2.88	2.88	120
Total HYDEL	1,161	978	906					20.48	20.46	852
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.72	1.72	72
SOLAR(881)	881	56	58	256	11:00	53	21:00	2.23	2.23	93
Total PUNJAB	8,025	3,918	3,903					103.12	96.95	4,040

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	0	0	0		0		1.55	1.16	48
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	0	0	0		0		24.33	22.17	924
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	0	0	0		0		11.22	10.28	428
KAWAI TPS(2 * 660)	1,320	0	0	0		0		20.57	19.28	803
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	0	0	0		0		14.75	12.65	527
RAJWEST (IPP) LTPS(8 * 135)	1,080	0	0	0		0		11.18	9.41	392
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	0	0	0		0		7.51	6.63	276
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	0	0					91.11	81.58	3,398
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	0	0	0		0		1.77	1.71	71
Total GAS/NAPTHA/DIESEL	601	0	0					1.77	1.71	71
RAPS-A(1 * 100 + 1 * 200)	300	0	0	0		0		4.64	4.31	180
Total NUCLEAR	300	0	0					4.64	4.31	180
TOTAL HYDRO RAJASTHAN(550)	550	0	0	0		0		3.53	3.46	144
Total HYDEL	550	0	0					3.53	3.46	144
WIND(1 * 4328)	4,328	0	0	0		0		14.39	14.39	600
BIOMASS(102)	102	0	0	0		0		1.83	1.83	76
SOLAR(4568)	4,568	0	0	0		0		13.86	13.86	578
Total RAJASTHAN	21,064	0	0					131.13	121.14	5,047

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	1,352	1,311	1,352	20:00	891	17:00	28.2	26.1	1,088
ANPARA-C TPS(2 * 600)	1,200	1,055	1,101	1,110	01:00	597	13:00	21.8	20.2	842
ANPARA-D TPS(2 * 500)	1,000	876	942	942	03:00	556	08:00	20.8	19.5	813
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	226	226	226	01:00	184	05:00	5.9	5.3	221
BARA PPGCL TPS(3 * 660)	1,980	1,589	1,584	1,726	05:00	995	14:00	33.5	30.9	1,288
GHATAMPUR TPS (1*660)	660	304	311	334	18:00	297	14:00	9	8.1	338
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	310	568	576	06:00	305	19:00	13.7	12.4	517
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	346	330	346	20:00	311	12:00	9.3	8.3	346
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	583	586	589	01:00	326	12:00	12.6	11.3	471
LALITPUR TPS(3 * 660)	1,980	1,604	1,125	1,604	20:00	1,008	06:00	28.2	26.5	1,104
MEJA TPS(2 * 660)	1,320	1,070	694	1,161	21:00	671	13:00	20.8	19.5	813
OBRA TPS(5 * 200+1*660)	1,660	941	767	979	19:00	719	01:00	21.2	19.1	796
PANKI_I TPS(1 * 660)	660	351	345	369	18:00	333	09:00	9.1	8.2	342
PARICHA TPS(2 * 210 + 2 * 250)	920	566	489	566	20:00	471	17:00	12.8	11.6	483
ROSA TPS(4 * 300)	1,200	1,021	705	1,021	20:00	584	13:00	16.6	15.2	633
TANDA TPS(4 * 110)	440	191	113	193	21:00	111	08:00	3.6	3.2	133
Total THERMAL	19,190	12,385	11,197					267.1	245.4	10,228
ALAKHANANDA HEP(4 * 82.5)	330	350	345	352	18:00	330	06:00	8.2	8.2	342
RIHAND HPS(6 * 50)	300	285	285	285	01:00	285	01:00	6.8	6.8	283
VISHNUPARYAG HPS(4 * 110)	440	436	436	436	01:00	436	01:00	10.5	10.5	438
OTHER HYDRO UP(227)	227	123	127	183	23:00	118	11:00	3.1	3.1	129
Total HYDEL	1,297	1,194	1,193					28.6	28.6	1,192
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	966	12:00	0	01:00	7.9	7.9	329
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	13,604	12,415					304.2	282.5	11,774

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	855	870	964	22:00	454	14:00	18.26	18.19	758
Total HYDEL	1,250	855	870					18.26	18.19	758
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	94	12:00	3	18:00	0.63	0.63	26
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	855	870					18.89	18.82	784

(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	825	843	998	00:30	803	12:00	18.45	20.59	18.89	0.33	787	0.11
Sub-Total	1,500	1,411	825	843	-	-	-	-	18.45	20.59	18.89	0.33	787	0.11
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,392	1,422	1,427	1,428	12:00	519	16:00	32.9	32.88	32.47	0	1,353	-0.43
DEHAR HPS(6 * 165)	990	450	660	600	660	20:00	465	17:00	11.36	12	11.7	0	488	0.34
PONG HPS(6 * 66)	396	352	360	360	360	20:00	360	16:00	8.45	8.69	8.55	0	356	0.1
Sub-Total	2,801	2,194	2,442	2,387	-	-	-	-	52.71	53.57	52.72	0	2,197	0.01
NHPC														
BAIRASIUL HPS(3 * 60)	180	0	0	184	186	03:45	-1.84	07:45	0.86	0.74	0.74	0	31	-0.12
CHAMERA I HPS(3 * 180)	540	536	538	539	546	01:00	537	21:00	12.81	13.04	12.92	0	538	0.11
CHAMERA II HPS(3 * 100)	300	0	0	302	302	17:00	0	19:00	5.78	5.51	5.47	-0.02	228	-0.29
CHAMERA III HPS(3 * 77)	231	0	0	160	233	10:00	0	19:00	3.92	3.72	3.68	0	153	-0.24
DHAULIGANGA HPS(4 * 70)	280	292	281	285	285	03:00	261.1	13:00	6.69	6.72	6.71	0	280	0.02
DULHASTI HPS(3 * 130)	390	257	259	261	263	-	0	-	6.15	6.23	6.14	0	256	-0.01
KISHANGANGA(3 * 110)	330	336	333	330	336	22:00	0	-	5.29	5.46	5.43	0	226	0.14
PARBATI III HEP(4 * 130)	520	514	489	351	489	20:00	0	-	8.56	8.76	8.7	0	363	0.14
PARBATI-II(4 * 200)	800	396	397	397	399	22:00	379.5	13:00	8.91	9.5	9	0	375	0.09
SALAL HPS(6 * 115)	690	600	616	682	686	02:00	276	12:00	13.64	13.58	12.59	0	525	-1.05
SEWA-II HPS(3 * 40)	120	126	123	123	126	22:00	0	-	2.87	2.97	2.94	0	123	0.07
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	99	97	105	10:59	41.26	10:00	2.1	2.18	2.16	0	90	0.06
URI HPS(4 * 120)	480	100	34	189	452	09:30	1.37	23:15	4.8	3.72	3.68	0	153	-1.12
URI-II HPS(4 * 60)	240	215	226	227	229	18:00	165.73	05:00	5.1	5.36	5.31	0	221	0.21
Sub-Total	5,195	3,465	3,395	4,127	-	-	-	-	87.48	87.49	85.47	-0.02	3,562	-1.99
NPCL														
NAPS(2 * 220)	440	189	214	217	217	01:00	0	-	4.54	5.14	4.56	0	190	0.02
RAPP-D	700	417	0	0	0	-	0	-	10.01	11.12	9.95	0	415	-0.06
RAPS-B(2 * 220)	440	353	398	399	400	05:00	395	16:00	8.47	9.6	8.51	0	355	0.04
RAPS-C(2 * 220)	440	406	445	448	450	08:00	445	16:00	9.74	10.84	9.77	0	407	0.03
Sub-Total	2,020	1,365	1,057	1,064	-	-	-	-	32.76	36.7	32.79	0	1,367	0.03
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	383	0	0	0	-	0	-	0	0	0.08	0	3	0.08
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	610	0	0	0	-	0	-	0	0	0.09	0	4	0.09
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	780	0	0	0	-	0	-	0	0	0.09	0	4	0.09
DADRI-I TPS(4 * 210)	840	769	431	457	500	00:30	0	-	7.16	11.68	10.52	0	438	3.36
DADRI-II TPS(2 * 490)	980	919	518	528	587	17:30	0	-	12.13	13.4	12.48	0	520	0.35
KOLDAM HPS(4 * 200)	800	871	865	867	871	23:00	0	-	20.91	20.96	20.85	0	869	-0.06
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	1.45	0.42	0.42	0	18	-1.03
RIHAND-I STPS(2 * 500)	1,000	450	478	419	490	21:00	269	14:00	8.83	9.5	8.57	-0.04	357	-0.22
RIHAND-II STPS(2 * 500)	1,000	943	964	976	994	01:00	536	09:00	18.56	19.64	18.23	-0.05	760	-0.28
RIHAND-III STPS(2 * 500)	1,000	943	961	985	1,000	01:00	534	13:00	18.39	19.4	18.21	-0.08	759	-0.1
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,389	1,484	1,515	1,527	01:00	855	13:00	26.92	29.66	26.76	0	1,115	-0.16
TANDA TPS STAGE-II(2 * 660)	1,320	1,140	1,071	661	1,139	21:15	660.8	12:15	19.77	21.91	20.33	0	847	0.56
UNCHAHAH II TPS(2 * 210)	420	375	245	238	260	09:00	237	13:00	4.68	5.91	5.17	0.29	215	0.2
UNCHAHAH III TPS(1 * 210)	210	189	124	116	124	20:00	113	12:00	2.49	2.87	2.55	0.04	106	0.02
UNCHAHAH IV TPS(1 * 500)	500	425	300	310	310	03:00	275	09:30	6.36	7.22	6.59	0.3	275	-0.07
UNCHAHAH TPS(2 * 210)	420	365	245	243	245	20:00	232	13:00	4.78	5.82	5	0	208	0.22
Sub-Total	12,655	10,551	7,686	7,315	-	-	-	-	152.43	168.39	155.94	0.46	6,498	3.05
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,642	1,645	1,648	10:00	1,593	14:00	38.81	39.35	39.04	0	1,627	0.23
RAMPUR HEP(6 * 68.67)	412	449	448	450	452	05:00	442	09:00	10.5	10.88	10.8	0	450	0.3
Sub-Total	1,912	2,079	2,090	2,095	-	-	-	-	49.31	50.23	49.84	0	2,077	0.53
THDC														
KOTESHWAR HPS(4 * 100)	400	400	391	389	404	10:00	364	13:00	9.6	9.29	9.28	0	387	-0.32
TEHRI HPS(4 * 250)	1,000	1,068	1,066	1,070	1,073	23:00	0	09:00	20.56	20.52	20.4	-0.01	850	-0.15
TEHRI PSP(4 * 250)	1,000	463	253	471	253	20:00	0	-	6.18	6.29	4.76	0	198	-1.42
Sub-Total	2,400	1,931	1,710	1,930	-	-	-	-	36.34	36.1	34.44	-0.01	1,435	-1.89

Total	28,483	22,996	19,205	19,761				429.48	453.07	430.09	0.76	17,923	-0.15
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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	0	0	0	-	0	-	0	0	0	0	0
BUDHIL HPS (IPP)(2 * 35)	70	69	77	77	78	23:00	75.27	13:00	1.82	1.85	1.83	76	0.01
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,140	1,140	1,140	06:00	1,140	09:00	27.03	27.1	26.9	1,121	-0.13
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	336	0	0	0	-	0	-	3.51	3.75	3.46	144	-0.05
SINGOLI BHATWARI HEP(3 * 33)	99	107	105	0	105	09:45	0	-	2.08	2.18	2.16	90	0.08
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	94	99	102	104	01:00	0	-	2.33	2.08	2.07	86	-0.26
Sub-Total	1,906	1,732	1,421	1,319	-	-	-	-	36.77	36.96	36.42	1,517	-0.35
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	0.51	0.49	0.49	20	-0.02
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	0.28	0.36	0.36	15	0.08
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	65	09:26	0	-	0.31	0.28	0.28	12	-0.03
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	0	-	0	-	0.42	0.65	0.65	27	0.23
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	0.38	0.38	0.38	16	0
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	0.49	0.7	0.7	29	0.21
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	0	-	0	-	0.39	0.65	0.65	27	0.26
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	0.44	0.42	0.42	18	-0.02
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	0	-	0	-	0.44	0.67	0.67	28	0.23
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.23	0.16	0.16	7	-0.07
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.22	0.16	0.16	7	-0.06
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	313	09:52	0	-	0.8	0.78	0.76	32	-0.04
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	59	16:39	0	-	0.49	0.36	0.36	15	-0.13
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	33	15:45	0	-	0.3	0.17	0.17	7	-0.13
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	31	15:45	0	-	0.48	0.16	0.16	7	-0.32
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.12	0.11	0.11	5	-0.01
ADANI SOLAR ENERGY RJ TWO PVT LTD. BHADLA(1*150)	150	0	0	0	135	14:12	0	-	0.42	0.47	0.47	20	0.05
ADANI SOLAR ENERGY RJ TWO PVT LTD. FATEGARH 2(1*180)	180	0	0	0	162	12:44	0	-	0.89	0.97	0.96	40	0.07
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	23	08:54	0	-	0.37	0.12	0.12	5	-0.25
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	0.55	0.69	0.69	29	0.14
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	0.44	0.42	0.42	18	-0.02
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.23	0.76	0.76	32	0.53
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	26	16:14	0	-	0.29	0.13	0.12	5	-0.17
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.12	0.1	0.1	4	-0.02
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	57	08:57	0	-	0.45	0.29	0.29	12	-0.16
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	113	08:55	0	-	0.39	0.25	0.25	10	-0.14
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	77	09:11	0	-	0.39	0.28	0.27	11	-0.12
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	102	08:57	0	-	0.34	0.23	0.23	10	-0.11
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	133	08:49	0	-	0.33	0.24	0.24	10	-0.09
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	140	08:51	0	-	0.33	0.24	0.24	10	-0.09
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	97	08:00	0	-	0.69	0.38	0.38	16	-0.31
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	81	10:18	0	-	0.49	0.43	0.43	18	-0.06
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	81	10:49	0	-	0.68	0.51	0.51	21	-0.17
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	38	09:24	0	-	0.32	0.24	0.24	10	-0.08
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.58	0.4	0.4	17	-0.18
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	99	09:52	0	-	0.41	0.35	0.35	15	-0.06
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	73	12:40	0	-	0.34	0.28	0.28	12	-0.06

DADRI SOLAR(5)	5	0	0	0	3	12:21	0	-	0.02	0.02	0.02	1	0
DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	0.95	1.17	1.17	49	0.22
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.52	0.47	0.47	20	-0.05
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	135	09:39	0	-	0.31	0.52	0.52	22	0.21
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	192	08:54	0	-	0.42	0.45	0.43	18	0.01
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.53	0.51	0.51	21	-0.02
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	25	16:19	0	-	0.3	0.12	0.12	5	-0.18
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	36	16:24	0	-	0.36	0.16	0.16	7	-0.2
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	0.8	0.79	0.79	33	-0.01
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	18	16:29	0	-	0.24	0.08	0.08	3	-0.16
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	65	09:06	0	-	0.39	0.27	0.27	11	-0.12
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	0.74	0.5	0.5	21	-0.24
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	0.59	0.46	0.46	19	-0.13
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	15	11:39	0	-	0.12	0.09	0.09	4	-0.03
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	14	16:40	0	-	0.11	0.09	0.09	4	-0.02
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	73	09:45	0	-	0.41	0.34	0.34	14	-0.07
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	23	09:08	0	-	0.3	0.12	0.11	5	-0.19
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	0.3	0.25	0.25	10	-0.05
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	0.26	0.25	0.25	10	-0.01
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.32	0.35	0.35	15	0.03
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.67	0.92	0.92	38	0.25
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	0.31	0.29	0.29	12	-0.02
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	223	09:43	0	-	0.43	0.44	0.44	18	0.01
RENEW SOLAR SURYA RAVI PVT LTD(1*300)	300	0	0	0	89	09:03	0	-	0.32	0.23	0.23	10	-0.09
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	173	09:43	0	-	0.29	0.38	0.38	16	0.09
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	74	08:46	0	-	0.12	0.15	0.15	6	0.03
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	0.18	0.15	0.15	6	-0.03
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	242	10:08	0	-	0.33	0.45	0.45	19	0.12
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	178	09:20	0	-	0.35	0.45	0.45	19	0.1
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	0.92	1	1	42	0.08
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	187	13:08	0	-	0.94	1.15	1.14	48	0.2
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	0.53	0.66	0.66	28	0.13
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	92	13:08	0	-	0.42	0.56	0.55	23	0.13
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	74	11:01	0	-	0.49	0.38	0.38	16	-0.11
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	86	11:06	0	-	0.51	0.41	0.41	17	-0.1
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	139	10:32	0	-	0.42	0.51	0.51	21	0.09
SJVN GREEN ENERGY LIMITED	242	0	0	0	149	10:20	0	-	0.54	0.64	0.63	26	0.09
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	0.41	0.23	0.23	10	-0.18
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	67	16:16	0	-	0.89	0.3	0.3	13	-0.59
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.02	0	0	0	-0.02
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	118	09:34	0	-	0.32	0.45	0.45	19	0.13
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	19	09:08	0	-	0.08	0.09	0.09	4	0.01
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	60	08:49	0	-	0.58	0.27	0.27	11	-0.31
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	108	12:02	0	-	0.48	0.44	0.44	18	-0.04
TATA POWER SAURYA LIMITED	110	0	0	0	28	08:39	0	-	0.28	0.12	0.12	5	-0.16
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	126	08:56	0	-	0.34	0.26	0.26	11	-0.08
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.14	0.09	0.09	4	-0.05
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	23	08:54	0	-	0.3	0.1	0.1	4	-0.2
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	33	10:12	0	-	0.11	0.05	0.05	2	-0.06
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.18	0.05	0.05	2	-0.13
UNCHAHAHAR SOLAR(10)	10	0	0	0	6	11:00	0.676	07:00	0.03	0.02	0.02	1	-0.01

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	222	15:44	0	-	1.33	1.51	1.5	63	0.17
Sub-Total	18,548	0	0	0	-	-	-	-	36.6	34.04	33.92	1,421	-2.68
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	388	09:36	0	-	1.02	1.64	1.64	68	0.62
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	39	280	345	-	0	-	2.36	2.16	2.16	90	-0.2
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	272	11:19	0	-	1.38	1.6	1.6	67	0.22
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	15	74	77	02:00	0	-	0.78	0.39	0.39	16	-0.39
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	227	-	0	-	0.42	0.69	0.69	29	0.27
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	12	51	61	02:00	0	-	0.55	0.31	0.31	13	-0.24
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	205	09:45	0	-	0.43	0.62	0.62	26	0.19
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	5	52	56	01:30	0	-	0.56	0.33	0.33	14	-0.23
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	279	09:29	0	-	0.61	0.76	0.76	32	0.15
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	19	69	88	23:30	0	-	0.76	0.69	0.69	29	-0.07
Sub-Total	2,846	0	90	526	-	-	-	-	8.87	9.19	9.19	384	0.32
Total	23,300	1,732	1,511	1,845					82.24	80.19	79.53	3,322	-2.71

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	22,297	20,913	679.32	637.11	26,552
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		2,142	4,099	318.59	318.59	15,923
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-40	3	0.68	0.68	46
Total Regional Availability(Gross)	118,257	45,115	46,621	1,531.85	1,466	63,766

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	11,923	12,725	281.56	276.28	11,513
State Control Area Hydro	7,855	4,750	4,471	134.46	134.26	5,596
Total Regional Hydro	22,577	16,673	17,196	416.02	410.54	17,109

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,639	90	526	43.65	43.53	1,823
State Control Area Renewable	13,630	120	129	46.23	46.2	1,926
Total Regional Renewable	35,269	210	655	89.88	89.73	3,749

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,773	0	0	39.77	39.65	1,661
State Control Area Solar	8,586	56	58	25.34	25.34	1,056
Total Solar	29,359	56	58	65.11	64.99	2,717

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	90	526	3.88	3.88	162
State Control Area Wind	4,328	0	0	14.39	14.39	600
Total Wind	5,194	90	526	18.27	18.27	762

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)	30	30	-	21	0	0.51	-0.51
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.11	0	1.11
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.68	0	0.68
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	2.64	0	2.64
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	3.05	0	3.05
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	11.41	0	11.41
10	400KV-Gorakhpur (UP)-Motihari(DMT)	328	374	442	0	5.9	0	5.9
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	554	668	766	0	10.59	0	10.59

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	3.24	0	3.24
13	400KV-Varanasi (PG)-Sasaram(PG)	-75	-56	89	0	1.58	0	1.58
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	11.13	0	11.13
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	3.44	0	3.44
16	765KV-Varanasi (PG)-Gaya(PG)	-405	-675	740	32	7.73	0	7.73
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	9.45	0	9.45
Sub-Total EAST REGION		432	341	2,037	53	71.95	0.51	71.44
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)	36	30	-	87	0	-0.54	0.54
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	-	-	-	-	2.53	0	2.53
6	220KV-Ranpur (RS)-Bhanpura(MP)	-	-	-	-	1.11	0	1.11
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-312	-361	590	-46	8.29	0	8.29
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	6.06	0	6.06
10	400KV-RAPS C (NP)-Sujalpur	375	287	488	52	5.02	0	5.02
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-162	-174	0	-544	0	8.32	-8.32
13	765KV-0rai-Jabalpur	2,067	1,484	2,355	0	37.65	0	37.65
14	765KV-0rai-Satna	710	686	942	0	14.09	0	14.09
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	37.57	0	37.57
16	765KV-Chittorgarh-Banaskata D/C	-444	-630	2,597	-286	26.32	0	26.32
17	765KV-Phagi (RJ)-Gwalior(PG)	-	-	-	-	15.08	0	15.08
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-2,059	-1,565	2,227	0	34.2	0	34.2
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	499	501	503	0	12.18	0	12.18
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	-	-	-	-	6.04	0	6.04
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	1,000	3,500	3,500	0	41.54	0	41.54
Sub-Total WEST REGION		1,710	3,758	13,202	-737	247.68	7.78	239.9
TOTAL IR EXCHANGE		2,142	4,099	15,239	-684	326.88	8.29	318.59

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	87.56	16.91	0	0	0	97.86	71.44	-26.42
NR-NORTH_EAST REGION	0	0	0	0	0	0	7.25	7.25
NR-WR	144.08	99.53	0	-52.97	0	217.72	239.9	22.18
Total	231.64	116.44	0	-52.97	0	315.58	318.59	3.01

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)	-40	3	54.936	9	0.7	0.01	0.68	0
132KV-Nautanwa (UP)-Mainhiya (Nepal)						0	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	.57	6.3	37.95	68.54	13.95	9.16	2.06	25.16

<-----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.	
50.28	12:37:50	49.75	17:41:20	50.02	0.06	0.075	50.23	49.83	31.46

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	416	06:50	409	00:00	0	0	0	0	0
Amritsar(PG) - 400KV	418	18:30	402	00:00	0	0	0	0	0
Ballabgarh(PG) - 400KV	418	06:55	402	19:20	0	0	0	0	0

Bareilly II(PG) - 400KV	418	07:30	396	19:35	0	0	0	0	0
Bareilly(UP) - 400KV	419	07:25	397	19:35	0	0	0	0	0
Baspa(HP) - 400KV	411	17:50	399	00:00	0	0	0	0	0
Bassi(PG) - 400KV	421	04:00	406	19:40	0	0	1.74	0	1.74
Bawana(DTL) - 400KV	418	06:55	407	19:20	0	0	0	0	0
Dadri HVDC(PG). - 400KV	414	06:50	400	19:45	0	0	0	0	0
Gorakhpur(PG) - 400KV	420	10:30	393	19:20	0	0	0	0	0
Hisar(PG) - 400KV	422	18:00	410	11:55	0	0	4.17	0	4.17
Kanpur(PG) - 400KV	419	08:50	405	00:00	0	0	0	0	0
Kashipur(UT) - 400KV	418	06:55	408	00:00	0	0	0	0	0
Kishenpur(PG) - 400KV	414	23:55	408	00:30	0	0	0	0	0
Moga(PG) - 400KV	420	18:30	404	00:00	0	0	0	0	0
Nallagarh(PG) - 400KV	411	17:50	399	00:00	0	0	0	0	0
Rihand HVDC(PG) - 400KV	397	09:20	391	21:00	0	0	0	0	0
Rihand(NT) - 400KV	400	17:00	392	21:05	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	798	02:55	783	19:15	0	0	0	0	0
Balia(PG) - 765KV	792	09:20	749	19:20	0	0	0	0	0
Bareilly II(PG) - 765KV	804	07:30	754	19:20	0	0	11.46	0	11.46
Bhiwani(PG) - 765KV	793	17:45	773	00:00	0	0	0	0	0
Fatehpur(PG) - 765KV	783	06:00	745	20:20	0	0	0	0	0
Jhatikara(PG) - 765KV	792	06:00	767	19:20	0	0	0	0	0
Lucknow II(PG) - 765KV	793	07:50	748	19:20	0	0	0	0	0
Meerut(PG) - 765KV	794	08:50	760	20:20	0	0	0	0	0
Moga(PG) - 765KV	794	06:10	777	11:55	0	0	0	0	0
Phagi(RJ) - 765KV	801	04:00	778	19:35	0	0	1.39	0	1.39
Unnao(UP) - 765KV	787	07:50	741	19:35	0	.69	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	1,529.05	15.93	0	1,061.83	0	0	0	1,529.05	8.69	0	-2,400	0	0	0
HARYANA	3,133.94	72.01	16.31	-400	0	0	0	3,220.85	0	-558.88	-1,300	0	0	0
RAJASTHAN	1,100.41	-40.59	16.91	-200	0	0	0	1,321.74	-14.1	54.23	2.9	0	0	0
DELHI	887.49	0.77	-131	97.64	0	0	0	947.89	0	-34.31	537.19	0	0	0
UTTAR PRADESH	423.06	45.15	333.05	486.8	0	0	0	1,374.02	3.47	358.15	587.87	0	0	0
UTTARAKHA ..	-539.68	-3.2	0	241.32	0	0	0	-301.74	-0.25	39.96	216.71	0	0	0
HIMACHAL PRADESH	-514.08	-73.7	8.94	-45.25	0	0	0	-515.08	-73.5	18.34	-72.98	0	0	0
J&K(UT) & LADAKH(UT)	-400	0	-14.4	-1,000	0	0	0	-522	-56.7	-14.4	120.66	0	0	0
CHANDIGARH	53.69	0	-180	0	0	0	0	79.64	0	-145	-37	0	0	0
RAILWAYS_NRISTS	36.16	0	30.89	0	0	0	0	36.16	0	30.89	0	0	0	0
TOTAL	5,710.04	16.37	80.7	242.34	0	0	0	7,170.53	-132.39	-251.02	-2,344.65	0	0	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	101.92	40.68	0.19	0.47	-1.95	141.31
HARYANA	118.94	80.62	0.98	-3.9	-34.66	161.98
RAJASTHAN	107.21	25.2	-0.55	-0.01	-1.48	130.37
DELHI	85.95	20.25	0.27	0.52	8.86	115.85
UTTAR PRADESH	197.02	8.08	1.01	5.13	9.89	221.13
UTTARAKHAND	31.11	-9.13	0.17	-0.81	5.96	27.3
HIMACHAL PRADESH	12.63	-15.49	-1.4	-0.42	-2.21	-6.89
J&K(UT) & LADAKH(UT)	41.88	-4.95	-0.39	-0.19	-17.4	18.95
CHANDIGARH	8.06	1.06	0	-2.91	-0.13	6.08
RAILWAYS_NR ISTS	2.46	0.87	0	0.51	0	3.84
TOTAL	707.18	147.19	0.28	-1.61	-33.12	819.92

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	5,120.36	3,614.44	2,021.36	1,529.05	17.38	0	0	0
HARYANA	5,486.01	4,398.69	3,754.78	3,103.94	85.82	0	0	0
RAJASTHAN	5,003.9	3,848.33	1,323.68	751.48	-11.59	-51.39	0	0
DELHI	4,010.74	3,043.21	977.21	698.48	160.05	0	0	0
UTTAR PRADESH	10,521.02	6,535.47	1,557.12	-214.08	103.6	-9.5	0	0
UTTARAKHAND	1,403.56	979.25	-293.05	-539.68	18.52	-11.2	0	0
HIMACHAL PRADESH	924.49	83.29	-481	-845.64	16.23	-73.7	0	0
J&K(UT) & Ladakh(UT)	1,885.29	1,619.58	0	-522	0	-56.7	0	0
CHANDIGARH	365.69	276.21	79.64	0	0	0	0	0
RAILWAYS_NR ISTS	116.88	80.65	36.16	36.16	0	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	195.47	0	0	0	2,509.78	-2,600	0	0
HARYANA	30.12	-1,408.45	0	0	-350	-2,600	0	0
RAJASTHAN	57	-486.1	0	0	2.9	-650	0	0
DELHI	512.09	-356.17	0	0	867.32	-409.12	0	0
UTTAR PRADESH	402.55	-1,449.69	0	0	629.7	-263.83	0	0
UTTARAKHAND	202.71	-425	0	0	599.45	48.26	0	0
HIMACHAL PRADESH	26.55	-232.05	0	0	172.13	-279.79	0	0
J&K(UT) & LADAKH(UT)	0	-14.4	0	0	144.8	-1,400	0	0
CHANDIGARH	0	-200	0	0	33.79	-59	0	0
RAILWAYS_NR ISTS	30.89	0	0	0	0	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	508.47	1,470	499.19	1,065	1,681	970.11
Chamera-I	748.75	760	753.95	757.88	13	-	-	1,087.35	353.11
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	612.17	6	611.15	5	592	651.44
Pong	384.05	426.72	1,084	421.79	976	414.6	656	2,588.87	492.91
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	526.78	381	501.21	113	453.46	252.14
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	823.07	1,019	817.73	912	854.05	448
TOTAL	-	-	-	-	3,865	-	2,751	7,256.73	3,167.71

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	3	9
DELHI	4	14
HARYANA	9	26
HIMACHAL PRADESH	3	12
J&K(UT) & Ladakh(UT)	8	36
PUNJAB	8	28
RAJASTHAN	10	37
UTTAR PRADESH	4	11
UTTARAKHAND	2	11

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	3,428	3,490	3731	00:30:00	82.86	3,452
NCR_DRAWAL	-	12,828	12,222	13583	00:00:00	283.39	11,808
NCR_DEMAND	-	16,255	15,712	17236	00:00:00	366.24	15,260
LADAKH_DEMAND	-	10	-11	11	19:15:00	-0.06	-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	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