



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

Power Supply Position in Northern Region For 04-Sep-2025

Date of Reporting:05-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
60,577	0	60,577	50.03	49,231	0	49,231	50	1,290	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	58.5	23.78	0	3.49	0	1.72	87.49	79.61	78.9	-0.71	166.39	0	166.39
HARYANA	36.23	0	0	0.66	0	0.66	37.55	138.82	137.54	-1.28	175.09	0	175.09
RAJASTHAN	89.4	5.87	1.83	35.5	8.78	5.74	147.12	108.94	101.87	-7.07	248.99	0	248.99
DELHI	0	0	3.96	0	0	1.33	5.28	109.59	109.14	-0.45	114.42	0	114.42
UTTAR PRADESH	212.08	27.7	0	13.3	0	0.6	253.68	202.55	202.31	-0.24	455.99	0	455.99
UTTARAKHAND	0	15.28	0	0.63	0	0	15.91	29.67	30.35	0.68	46.26	0	46.26
HIMACHAL PRADESH	0	20.98	0	0.13	0	0	21.1	11.68	12.19	0.51	33.29	0	33.29
J&K(UT) & Ladakh(UT)	0	23.38	0	0	0	0	23.38	16.05	17.38	1.33	40.76	0	40.76
CHANDIGARH	0	0	0	0	0	0	0	4.9	4.98	0.08	4.98	0	4.98
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.88	4.16	0.28	4.16	0	4.16
Region	396.21	116.99	5.79	53.71	8.78	10.05	591.51	705.69	698.82	-6.87	1,290.33	0	1,290.33

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	6,892	0	-75	-1,842	6,717	5,740	0	316	-1,258
HARYANA	8,439	0	-175	643	7,410	6,524	0	18	786
RAJASTHAN	11,055	0	-39	1,255	10,386	9,603	0	35	988
DELHI	5,212	0	175	935	4,759	3,679	0	40	825
UTTAR PRADESH	22,973	0	-41	3,488	18,984	19,517	0	118	1,302
UTTARAKHAND	2,124	0	-7	370	1,926	1,693	0	65	-114
HIMACHAL PRADESH	1,379	0	69	-89	1,384	1,104	0	-34	-171
J&K(UT) & Ladakh(UT)	2,099	0	-76	-605	1,698	1,026	0	116	-1,384
CHANDIGARH	226	0	11	-90	208	153	0	3	-130
RAILWAYS_NR ISTS	178	0	9	91	173	193	0	24	91
Region	60,577	0	-149	4,156	53,645	49,232	0	701	935

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	7,533	19:00	0	7,533	7,533	19:00	0	7,533	5,740	3:00	-	-	-	-
HARYANA	8,440	19:00	0	8,440	8,440	19:00	0	8,440	6,487	4:00	-	-	-	-
RAJASTHAN	11,120	19:00	0	11,120	11,120	19:00	0	11,120	9,462	4:00	-	-	-	-
DELHI	5,656	15:00	0	5,656	5,656	15:00	0	5,656	3,557	4:00	-	-	-	-
UP	23,126	19:00	0	23,126	23,126	19:00	0	23,126	15,205	6:00	-	-	-	-
UTTARAKHA ..	2,175	19:00	0	2,175	2,175	19:00	0	2,175	1,693	3:00	-	-	-	-
HP	1,682	9:00	0	1,682	1,682	9:00	0	1,682	1,104	3:00	-	-	-	-
J&K(UT)&Lad ..	2,135	21:00	0	2,135	2,135	21:00	0	2,135	1,012	4:00	-	-	-	-
CHANDIGARH	252	12:00	0	252	252	12:00	0	252	153	3:00	-	-	-	-
RAILWAYS_NR ISTS	203	2:00	0	203	203	2:00	0	203	118	14:00	-	-	-	-
NR	61,598	19:00	0	61,598	61,598	19:00	0	61,598	47,690	5:00	-	-	-	-

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	-3	-3	-1.3	01:00	0		0	-0.05	-2
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	26	27	27.15	03:00	0		0.62	0.6	25
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	146	134	146.82	13:00	0		3.5	3.41	142
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	169	158					4.12	3.96	165
WIND	0	0	0	0		0				
BIOMASS(52)	52	47	46	0		0		1.35	1.33	55
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	216	204					5.47	5.29	220

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	496	341	496	20:00	341	03:00	9.18	8.29	345
JHAJJAR(CLP)(2 * 660)	1,320	1,220	756	1,230	21:00	744	08:00	21.28	19.65	819
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	0	0	0		0				
RGTPP(KHEDAR)(2 * 600)	1,200	357	360	378	23:00	346	06:00	8.7	8.3	346
Total THERMAL	3,855	2,073	1,457					39.16	36.24	1,510
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	0	0	0		0				
Total HYDEL	65	0	0					0	0	0
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		0.66	0.66	28
SOLAR(196)	196	0	0	0		0		0.66	0.66	28
Total HARYANA	4,654	2,073	1,457					40.48	37.56	1,566

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	0	0	01:00	0		0	0	0
BASPA (IPP) HPS(3 * 100)	300	301	301	301	01:00	0		7.22	7.21	300
MALANA (IPP) HPS(2 * 43)	86	0	0	0	01:00	0		0	0	0
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	27	0	37	21:00	0		0.18	0.17	7
OTHER HYDRO HP(503.75)	504	111	212	0		0		3.85	3.82	159
Total HYDEL	1,281	439	513					11.25	11.2	466
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	407	376	0		0		9.79	9.78	408
Total SMALL HYDRO	765	407	376					9.79	9.78	408
Total HP	2,065	846	889					21.17	21.11	879

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		21.33	21.33	889
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		2.05	2.05	85
Total HYDEL	1,208	0	0					23.38	23.38	974
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					23.38	23.38	974

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	145	145	145	01:00	145	01:00	3.93	3.5	146
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	0	0	0	01:00	0	01:00	0	-0.1	-4
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	432	317	432	19:00	313	23:45	8.84	7.98	333
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	660	1,320	20:00	660	02:00	21.14	20.1	838
TALWANDI SABO TPS(3 * 660)	1,980	1,841	924	1,841	20:00	924	01:00	29.02	27.02	1,126
Total THERMAL	5,680	3,738	2,046					62.93	58.5	2,439
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	112	111	112	07:00	111	01:00	2.71	2.71	113
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	155	156	158	01:00	154	21:00	3.63	3.62	151
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	600	600	01:00	600	01:00	14.63	14.58	608
SHANAN(4 * 15 + 1 * 50)	110	0	0	0	01:00	0	01:00	0	0	0
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	867	867					23.85	23.79	992
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.72	1.72	72
SOLAR(881)	881	59	59	340	15:00	57	18:00	3.49	3.49	145
Total PUNJAB	8,025	4,664	2,972					91.99	87.5	3,648

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	111	112	196	00:00	75	14:00	3.02	2.55	106
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,710	1,658	1,839	22:00	1,144	13:00	38.08	35.27	1,470
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	1,018	1,006	1,065	01:00	646	17:00	21.58	20.12	838
KAWAI TPS(2 * 660)	1,320	0	0	0		0				
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	142	124	146	01:00	117	07:00	3.79	3.37	140
RAJWEST (IPP) LTPS(8 * 135)	1,080	649	684	697	23:00	529	16:00	16.67	14.38	599
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	638	510	685	23:00	512	13:00	14.63	13.7	571
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	4,268	4,094					97.77	89.39	3,724
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	73	73	76	12:00	72	16:00	1.89	1.83	76
Total GAS/NAPTHA/DIESEL	601	73	73					1.89	1.83	76
RAPS-A(1 * 100 + 1 * 200)	300	177	177	178	07:00	174	11:00	4.65	4.32	180
Total NUCLEAR	300	177	177					4.65	4.32	180
TOTAL HYDRO RAJASTHAN(550)	550	293	260	315	23:00	219	09:00	5.88	5.87	245
Total HYDEL	550	293	260					5.88	5.87	245
WIND(1 * 4328)	4,328	348	81	1,204	17:00	77	09:00	8.78	8.78	366
BIOMASS(102)	102	59	59	59	01:00	59	06:00	1.42	1.42	59
SOLAR(4568)	4,568	0	0	4,291	11:00	0	06:00	35.5	35.5	1,479
Total RAJASTHAN	21,064	5,218	4,744					155.89	147.11	6,129

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	1,166	1,229	1,370	01:00	909	11:00	28.7	26.7	1,113
ANPARA-C TPS(2 * 600)	1,200	944	1,064	1,110	05:00	597	11:00	22.4	20.7	863
ANPARA-D TPS(2 * 500)	1,000	808	907	939	23:59	543	08:00	19.5	18.3	763
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	0	0	0		0				
BARA PPGCL TPS(3 * 660)	1,980	1,478	1,266	1,718	01:00	1,007	13:00	34.1	31.5	1,313
GHATAMPUR TPS (1*660)	660	0	0	0		0				
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	0	0	0		0				
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	0	0	0		0				
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	626	659	678	17:54	354	13:05	13.38	12.28	512
LALITPUR TPS(3 * 660)	1,980	1,556	1,209	1,774	01:00	998	15:00	30	28.2	1,175
MEJA TPS(2 * 660)	1,320	1,222	1,080	1,243	21:00	680	16:00	22.6	21.2	883
OBRA TPS(5 * 200+1*660)	1,660	1,115	1,051	1,217	19:00	1,027	02:00	28.7	25.9	1,079
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS(2 * 210 + 2 * 250)	920	555	485	730	19:00	477	15:00	13.3	12.1	504
ROSA TPS(4 * 300)	1,200	698	608	985	19:00	587	11:00	16.6	15.2	633
TANDA TPS(4 * 110)	440	0	0	0		0				
Total THERMAL	19,190	10,168	9,558					229.28	212.08	8,838
ALAKHANANDA HEP(4 * 82.5)	330	344	344	349	08:00	343	02:00	8.3	8.3	346
RIHAND HPS(6 * 50)	300	280	280	280	01:00	235	12:00	6.4	6.4	267
VISHNUPARYAG HPS(4 * 110)	440	436	436	436	01:00	327	14:00	10	10	417
OTHER HYDRO UP(227)	227	123	129	136	01:00	100	12:00	3	3	125
Total HYDEL	1,297	1,183	1,189					27.7	27.7	1,155
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	1,743	11:00	0	01:00	13.3	13.3	554
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	11,376	10,772					270.88	253.68	10,572

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	621	647	655	22:00	610	16:00	15.34	15.28	637
Total HYDEL	1,250	621	647					15.34	15.28	637
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	86	13:00	5	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	621	647					15.97	15.91	663

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	927	571	974	19:45	555	14:45	13.78	15.34	14.06	0.25	586	0.03
Sub-Total	1,500	1,411	927	571	-	-	-	-	13.78	15.34	14.06	0.25	586	0.03
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,362	1,397	1,400	1,401	13:00	1,397	17:00	32.69	33.61	33.21	0	1,384	0.52
DEHAR HPS(6 * 165)	990	0	0	0	0	-	0	17:00	0	0	0	0	0	0
PONG HPS(6 * 66)	396	352	360	360	360	13:00	360	17:00	8.45	8.69	8.52	0	355	0.07
Sub-Total	2,801	1,714	1,757	1,760	-	-	-	-	41.14	42.3	41.73	0	1,739	0.59
NHPC														
BAIRASIUL HPS(3 * 60)	180	0	0	0	0	-	0	-	0	0	0	0	0	0
CHAMERA I HPS(3 * 180)	540	360	361	358	363	09:00	356	17:00	8.55	8.7	8.62	0	359	0.07
CHAMERA II HPS(3 * 100)	300	312	200	0	202	21:00	0	-	1.37	1.12	1.09	0	45	-0.28
CHAMERA III HPS(3 * 77)	231	0	0	0	0	-	0	-	0.04	0.03	0.02	0	1	-0.02
DHAULIGANGA HPS(4 * 70)	280	138	212	233	237	05:00	138.8	23:00	4.8	4.98	4.97	0	207	0.17
DULHASTI HPS(3 * 130)	390	128	132	134	134	03:00	125.6	16:00	3.08	3.15	3.1	0	129	0.02
KISHANGANGA(3 * 110)	330	336	336	330	337	22:00	328.8	07:00	7.94	7.97	7.95	0	331	0.01
PARBATI III HEP(4 * 130)	520	310	0	0	315	19:00	0.00001	03:00	2.49	2.68	2.65	0	110	0.16
PARBATI-II(4 * 200)	800	0	0	0	0	-	0	-	0	0	0.02	0	1	0.02
SALAL HPS(6 * 115)	690	580	602	0	602	19:00	0	13:00	4.59	4.68	4.51	0	188	-0.08
SEWA-II HPS(3 * 40)	120	126	126	124	128	00:00	124.42	12:00	2.94	3.04	3	0	125	0.06
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	103	104	106	01:59	102.84	18:00	2.21	2.44	2.41	0	100	0.2
URI HPS(4 * 120)	480	360	360	82	377	18:00	0	-	3.36	3.38	3.34	0	139	-0.02
URI-II HPS(4 * 60)	240	210	231	216	231	14:45	215.35	05:45	4.96	5.42	5.38	0	224	0.42
Sub-Total	5,195	2,953	2,663	1,581	-	-	-	-	46.33	47.59	47.06	0	1,959	0.73
NPCL														
NAPS(2 * 220)	440	190	214	220	220	01:00	0	-	4.56	5.23	4.61	0	192	0.05
RAPP-D	700	411	0	0	0	-	0	-	9.86	11.13	9.83	0	410	-0.03
RAPS-B(2 * 220)	440	345	394	394	398	08:00	0	-	8.29	9.47	8.38	0	349	0.09
RAPS-C(2 * 220)	440	405	446	452	452	01:00	0	-	9.72	10.82	9.79	0	408	0.07
Sub-Total	2,020	1,351	1,054	1,066	-	-	-	-	32.43	36.65	32.61	0	1,359	0.18
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	384	0	0	0	-	0	-	0	0	0.02	0	1	0.02
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	634	0	0	0	-	0	-	0	0	0.04	0	2	0.04
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	800	0	0	0	-	0	-	0	0	0.04	0	2	0.04
DADRI-I TPS(4 * 210)	840	769	230	226	230	20:00	0	-	5.29	6.26	5.5	0	229	0.21
DADRI-II TPS(2 * 490)	980	919	779	523	779	20:00	0	-	13.29	14.66	13.53	0	564	0.24
KOLDAM HPS(4 * 200)	800	871	838	843	847	18:00	0	-	20.51	20.46	20.34	0	848	-0.17
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.08	1.79	1.79	0	75	-2.29
RIHAND-I STPS(2 * 500)	1,000	450	495	488	497	21:00	274	14:00	8.73	9.61	8.66	-0.04	361	-0.03
RIHAND-II STPS(2 * 500)	1,000	943	964	974	1,006	05:00	544	10:00	18.89	20.41	19.02	-0.04	793	0.17
RIHAND-III STPS(2 * 500)	1,000	943	978	988	1,004	18:00	537	10:00	19.13	20.22	19.02	-0.08	793	-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	1,389	1,500	1,485	1,500	20:00	0	-	27.71	30.28	27.17	0	1,132	-0.54
TANDA TPS STAGE-II(2 * 660)	1,320	1,244	1,227	738	1,227	20:00	0	-	20.76	22.63	21.05	0	877	0.29
UNCHAHAH II TPS(2 * 210)	420	375	392	249	392	20:00	237	11:00	5.68	6.56	5.66	0.03	236	-0.05
UNCHAHAH III TPS(1 * 210)	210	0	0	0	0	-	0	-	0	0	0	0	0	0
UNCHAHAH IV TPS(1 * 500)	500	466	467	305	507	21:00	274	17:00	7.59	8.42	7.86	0.31	328	-0.04
UNCHAHAH TPS(2 * 210)	420	185	201	244	282	06:00	118	14:00	3.81	4.99	4.29	0	179	0.48
Sub-Total	12,655	10,372	8,071	7,063	-	-	-	-	155.47	166.39	154.09	0.18	6,424	-1.56
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,503	1,491	1,503	20:00	1,459	15:00	37.6	35.83	35.54	0	1,481	-2.06
RAMPUR HEP(6 * 68.67)	412	409	412	417	419	22:00	410	19:00	10.22	9.98	9.91	0	413	-0.31
Sub-Total	1,912	2,039	1,915	1,908	-	-	-	-	47.82	45.81	45.45	0	1,894	-2.37
THDC														
KOTESHWAR HPS(4 * 100)	400	400	396	394	397	18:00	383	13:00	9.6	9.44	9.44	-0.11	393	-0.05
TEHRI HPS(4 * 250)	1,000	1,072	1,071	1,076	1,080	02:00	1,005	13:00	25.73	25.72	25.56	-0.01	1,065	-0.16
TEHRI PSP(4 * 250)	1,000	250	255	254	255	19:00	0	-	6	5.44	5.44	0	227	-0.56
Sub-Total	2,400	1,722	1,722	1,724	-	-	-	-	41.33	40.6	40.44	-0.12	1,685	-0.77

Total	28,483	21,562	18,109	15,673					378.3	394.68	375.44	0.31	15,646	-3.17
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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	0.01	0	0	0
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	1,113	1,045	1,045	1,045	20:00	1,045	11:00	24.79	25	24.76	1,032	-0.03
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	-	-	-	-
SHREE CEMENT (IPP) TPS(2 * 150)	300	337	0	0	0	-	0	-	3.62	3.87	3.61	150	-0.01
SINGOLI BHATWARI HEP(3 * 33)	99	107	72	106	106	04:25	0	-	1.81	1.9	1.88	78	0.07
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	0	100	96	101	01:00	0	-	2.32	2.38	2.37	99	0.05
Sub-Total	1,906	1,557	1,217	1,247	-	-	-	-	32.54	33.16	32.62	1,359	0.08
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.12	1.56	1.56	65	-0.56
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.13	1.31	1.31	55	0.18
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	197	15:32	0	-	1.14	1.17	1.17	49	0.03
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	0	-	0	-	1.85	1.87	1.87	78	0.02
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	1.78	1.59	1.59	66	-0.19
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	1.86	1.79	1.79	75	-0.07
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	0	-	0	-	1.83	1.81	1.81	75	-0.02
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.25	1.27	1.27	53	0.02
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	0	-	0	-	1.86	1.81	1.81	75	-0.05
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.57	0.62	0.62	26	0.05
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.56	0.61	0.61	25	0.05
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	0	-	0	-	2.28	2.26	2.26	94	-0.02
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	180	13:37	0	-	1.2	1.15	1.15	48	-0.05
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	141	11:30	0	-	0.93	0.89	0.89	37	-0.04
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	146	11:30	0	-	0.9	0.87	0.87	36	-0.03
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.26	0.35	0.35	15	0.09
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	149	11:37	0	-	0.94	0.91	0.91	38	-0.03
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	169	11:56	0	-	1.57	1.4	1.4	58	-0.17
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	118	15:56	0	-	0.59	0.59	0.59	25	0
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	387	12:22	0	-	2.02	2.1	2.1	88	0.08
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	1.01	1.06	1.06	44	0.05
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.54	0.59	0.59	25	0.05
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	86	15:21	0	-	0.52	0.54	0.53	22	0.01
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.2	0.19	0.19	8	-0.01
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	246	12:24	0	-	1.33	1.37	1.37	57	0.04
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	259	11:01	0	-	1.6	1.56	1.56	65	-0.04
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	240	10:07	0	-	1.67	1.6	1.59	66	-0.08
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	235	16:18	0	-	1.45	1.41	1.41	59	-0.04
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	233	11:07	0	-	1.45	1.37	1.37	57	-0.08
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	202	09:18	0	-	1.15	1.04	1.04	43	-0.11
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	382	11:15	0	-	2.49	2.51	2.51	105	0.02
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	193	11:21	0	-	1.06	1.18	1.18	49	0.12
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	268	12:50	0	-	1.64	1.6	1.6	67	-0.04
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	126	15:22	0	-	0.78	0.74	0.74	31	-0.04
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.95	1.47	1.47	61	0.52
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	243	12:08	0	-	1.45	1.6	1.6	67	0.15
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	195	15:08	0	-	1.25	1.29	1.28	53	0.03

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	-	1.36	1.48	1.48	62	0.12
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	202	09:21	0	-	1.39	1.49	1.48	62	0.09
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	247	11:13	0	-	1.51	1.6	1.6	67	0.09
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	227	10:52	0	-	1.46	1.55	1.53	64	0.07
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.49	1.63	1.63	68	0.14
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	94	16:04	0	-	0.5	0.53	0.53	22	0.03
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	86	15:16	0	-	0.48	0.5	0.5	21	0.02
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.37	1.39	1.39	58	0.02
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	43	15:26	0	-	0.24	0.24	0.24	10	0
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	180	10:01	0	-	0.91	1.02	1.01	42	0.1
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.46	1.5	1.5	63	0.04
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	2.28	2	2	83	-0.28
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	45	14:24	0	-	0.31	0.28	0.28	12	-0.03
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	41	13:01	0	-	0.3	0.28	0.28	12	-0.02
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	199	10:30	0	-	1.43	1.48	1.48	62	0.05
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	92	15:46	0	-	0.51	0.53	0.53	22	0.02
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.18	1.19	1.19	50	0.01
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.18	1.23	1.23	51	0.05
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.4	0.43	0.43	18	0.03
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	1.05	1.01	1.01	42	-0.04
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.14	1.22	1.22	51	0.08
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	224	11:02	0	-	1.42	1.51	1.51	63	0.09
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	232	16:12	0	-	0.98	1.11	1.11	46	0.13
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	228	11:09	0	-	1.5	1.56	1.56	65	0.06
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	194	10:07	0	-	0.35	0.33	0.33	14	-0.02
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.19	1.07	1.07	45	-0.12
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	225	11:13	0	-	1.49	1.53	1.53	64	0.04
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	234	15:21	0	-	1.52	1.55	1.55	65	0.03
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	177	15:25	0	-	1.18	1.09	1.09	45	-0.09
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	0	-	0	-	1.4	1.51	1.5	63	0.1
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.73	1.58	1.58	66	-0.15
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.7	0.71	0.71	30	0.01
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	219	12:09	0	-	1.36	1.32	1.31	55	-0.05
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	178	10:21	0	-	1.14	1.22	1.22	51	0.08
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	300	11:32	0	-	1.48	1.5	1.5	63	0.02
SJVN GREEN ENERGY LIMITED	242	0	0	0	398	09:47	0	-	1.85	2.44	2.41	100	0.56
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	0.98	0.92	0.92	38	-0.06
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	215	15:40	0	-	1.35	1.21	1.21	50	-0.14
SINGRAULI SOLAR(15)	15	0	0	0	14	13:00	0	-	0.04	0.03	0.03	1	-0.01
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	230	11:06	0	-	1.43	1.44	1.44	60	0.01
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	86	16:19	0	-	0.13	0.44	0.44	18	0.31
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	220	12:10	0	-	1.3	1.24	1.24	52	-0.06
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	226	11:15	0	-	1.6	1.56	1.52	63	-0.08
TATA POWER SAURYA LIMITED	110	0	0	0	90	09:41	0	-	0.52	0.5	0.5	21	-0.02
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	234	16:15	0	-	1.45	1.42	1.42	59	-0.03
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.31	0.44	0.44	18	0.13
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	105	16:21	0	-	0.56	0.52	0.52	22	-0.04
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	52	16:21	0	-	0.28	0.26	0.26	11	-0.02
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.26	0.25	0.25	10	-0.01
UNCHAHAH SOLAR(10)	10	0	0	0	4	08:30	0.423	06:30	0.03	0.03	0.03	1	0

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	256	14:53	0	-	1.86	1.73	1.72	72	-0.14
Sub-Total	18,548	0	0	0	-	-	-	-	100.54	101.67	101.5	4,234	0.96
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	619	11:18	0	-	4.01	4.4	4.39	183	0.38
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	3.22	1.77	1.77	74	-1.45
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	361	10:58	0	-	2.8	2.8	2.8	117	0
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	20	11	75	16:30	0	-	0.81	0.51	0.51	21	-0.3
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	282	-	0	-	2.08	2.07	2.07	86	-0.01
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	14	15	24	16:45	0	-	0.47	0.25	0.25	10	-0.22
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	283	09:30	0	-	2.09	2.08	2.08	87	-0.01
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	8	12	20	12:00	0	-	0.47	0.2	0.2	8	-0.27
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	344	14:49	0	-	2.37	2.43	2.43	101	0.06
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	14	29	96	16:30	0	-	0.85	0.58	0.58	24	-0.27
Sub-Total	2,846	0	56	67	-	-	-	-	19.17	17.09	17.08	711	-2.09
Total	23,300	1,557	1,273	1,314					152.25	151.92	151.2	6,304	-1.05

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	25,014	21,685	625.23	591.54	24,651
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		9,592	7,564	191.45	191.45	8,968
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-51	-61	1.15	1.15	25
Total Regional Availability(Gross)	118,257	53,937	46,175	1,364.43	1,310.78	55,594

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	10,112	9,063	226.15	224.13	9,338
State Control Area Hydro	7,855	3,810	3,852	117.19	117	4,877
Total Regional Hydro	22,577	13,922	12,915	343.34	341.13	14,215

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,639	56	67	120.55	120.37	5,020
State Control Area Renewable	13,630	513	245	67.64	67.62	2,817
Total Regional Renewable	35,269	569	312	188.19	187.99	7,837

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,773	0	0	117.24	117.06	4,883
State Control Area Solar	8,586	59	59	53.71	53.71	2,237
Total Solar	29,359	59	59	170.95	170.77	7,120

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	56	67	3.31	3.31	137
State Control Area Wind	4,328	348	81	8.78	8.78	366
Total Wind	5,194	404	148	12.09	12.09	503

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)	29	28	-	31	0	0.51	-0.51
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0	0	0
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0.43	0	0.43
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0	0.25	-0.25
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0	0.35	-0.35
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	3.14	0	3.14
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	11.45	0	11.45
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-200	-260	376	198	3.15	0	3.15
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-520	-500	570	344	5.24	0	5.24

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	0	3.1	-3.1
13	400KV-Varanasi (PG)-Sasaram(PG)	44	100	134	0	2.53	0	2.53
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	10.52	0	10.52
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	0	2.46	-2.46
16	765KV-Varanasi (PG)-Gaya(PG)	436	23	436	977	0	5.79	-5.79
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	8.95	0	8.95
Sub-Total EAST REGION		-211	-609	1,516	1,550	45.41	12.46	32.95
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)	48	-25	-	152	0	0.3	-0.3
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	118	91	121	-	2.48	0	2.48
6	220KV-Ranpur (RS)-Bhanpura(MP)	90	80	90	-	1.94	0	1.94
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	216	-248	449	416	0.99	0	0.99
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	6.93	-6.93
10	400KV-RAPS C (NP)-Sujalpur	-	-	-	-	0	3.46	-3.46
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-960	-704	0	-988	0	12.59	-12.59
13	765KV-0rai-Jabalpur	2,134	1,271	2,192	0	21.32	0	21.32
14	765KV-0rai-Satna	817	602	881	0	11.71	0	11.71
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	20.74	0	20.74
16	765KV-Chittorgarh-Banaskata D/C	-288	583	361	1,572	0	11.35	-11.35
17	765KV-Phagi (RJ)-Gwalior(PG)	1,372	1,017	1,513	1,212	8.32	0	8.32
18	765KV-Varanasi (PG)-Vindhyachal(PG)	2,755	2,255	3,006	0	51.91	0	51.91
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,001	1,001	1,003	0	24.24	0	24.24
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	500	250	250	500	2.35	6.34	-3.99
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	2,000	2,000	2,000	0	46.22	0	46.22
Sub-Total WEST REGION		9,803	8,173	11,866	2,864	192.22	40.97	151.25
TOTAL IR EXCHANGE		9,592	7,564	13,382	4,414	244.88	53.43	191.45

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	92.64	18.92	0	-1.11	0	87.66	32.95	-54.71
NR-NORTH_EAST REGION	0	0	0	0	0	0	7.25	7.25
NR-WR	139.93	82.27	0	-98.47	0	96.1	151.25	55.15
Total	232.57	101.19	0	-99.58	0	183.76	191.45	7.69

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)	-51	-61	67.752	43	1.17	0.02	1.15	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	.65	4.59	50.29	81.71	11.47	2.18	.05	13.69

<-----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.	
50.21	13:01:00	49.75	20:51:40	50	0.03	0.055	50.1	49.8	18.29

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	419	05:00	407	19:15	0	0	0	0	0
Amritsar(PG) - 400KV	419	04:00	408	19:15	0	0	0	0	0
Ballabgarh(PG) - 400KV	422	05:00	399	19:20	0	0	13.19	0	13.19

Bareilly II(PG) - 400KV	420	07:25	396	19:20	0	0	0	0	0
Bareilly(UP) - 400KV	421	07:25	397	19:25	0	0	1.39	0	1.39
Baspa(HP) - 400KV	414	00:15	405	14:40	0	0	0	0	0
Bassi(PG) - 400KV	420	03:05	402	19:35	0	0	0	0	0
Bawana(DTL) - 400KV	425	04:00	407	14:50	0	0	29.51	0	29.51
Dadri HVDC(PG). - 400KV	420	05:00	403	19:20	0	0	0	0	0
Gorakhpur(PG) - 400KV	417	17:10	394	19:25	0	0	0	0	0
Hisar(PG) - 400KV	426	05:00	410	14:50	0	0	37.85	0	37.85
Kanpur(PG) - 400KV	417	05:00	399	19:20	0	0	0	0	0
Kashipur(UT) - 400KV	420	07:25	408	19:25	0	0	0	0	0
Kishenpur(PG) - 400KV	419	05:30	408	19:45	0	0	0	0	0
Moga(PG) - 400KV	421	04:00	411	19:20	0	0	19.1	0	19.1
Nallagarh(PG) - 400KV	414	00:15	405	14:40	0	0	0	0	0
Rihand HVDC(PG) - 400KV	405	16:00	396	06:40	0	0	0	0	0
Rihand(NT) - 400KV	406	16:30	397	00:05	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	791	13:00	772	19:05	0	0	0	0	0
Balia(PG) - 765KV	789	17:05	755	19:25	0	0	0	0	0
Bareilly II(PG) - 765KV	802	07:25	757	19:20	0	0	2.78	0	2.78
Bhiwani(PG) - 765KV	800	01:35	773	14:50	0	0	0	0	0
Fatehpur(PG) - 765KV	792	17:00	757	20:50	0	0	0	0	0
Jhatikara(PG) - 765KV	796	04:00	761	14:50	0	0	0	0	0
Lucknow II(PG) - 765KV	794	04:15	746	19:20	0	0	0	0	0
Meerut(PG) - 765KV	799	05:00	767	19:20	0	0	0	0	0
Moga(PG) - 765KV	802	02:30	767	09:25	0	0	17.71	0	17.71
Phagi(RJ) - 765KV	801	02:50	769	14:55	0	0	.35	0	.35
Unnao(UP) - 765KV	781	13:00	744	19:20	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	1,509.09	0	0	-2,767	0	0	0	1,509.09	0	-1,100	-2,251.54	0	0	0
HARYANA	2,237.72	67.07	-1,518.91	0	0	0	0	2,368.27	25.06	-1,250	-500	0	0	0
RAJASTHAN	867.32	-16.61	137.22	0	0	0	0	952.23	45.65	64.64	192.74	0	0	0
DELHI	851.71	0.77	-34	6.17	0	0	0	840.99	5.78	53.24	34.62	0	0	0
UTTAR PRADESH	248.51	4.63	377.07	671.99	0	0	0	1,882.4	192.93	-4.47	1,417.02	0	0	0
UTTARAKHA ..	-245	-3.2	-39	173.47	0	0	0	-245	-4.2	385.48	233.99	0	0	0
HIMACHAL PRADESH	-566.82	-62.6	-49.88	508.64	0	0	0	-553.94	-62.5	-58.07	585.48	0	0	0
J&K(UT) & LADAKH(UT)	-300	-4.25	-300	-780	0	0	0	-426	-48.3	-14.4	-116.4	0	0	0
CHANDIGARH	30.34	0	-160	0	0	0	0	70.48	0	-160	0	0	0	0
RAILWAYS_NRISTS	31.6	0	59.75	0	0	0	0	31.6	59.75	0	0	0	0	0
TOTAL	4,664.47	-14.19	-1,527.75	-2,186.73	0	0	0	6,430.12	214.17	-2,083.58	-404.09	0	0	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	99.85	37.09	0	-4.21	-53.12	79.61
HARYANA	124.07	56.36	0.9	-37.06	-5.45	138.82
RAJASTHAN	92.58	18.97	-0.17	1.31	-3.75	108.94
DELHI	79.63	20.82	0.04	1.68	7.42	109.59
UTTAR PRADESH	171.97	11.91	1.63	4.12	12.15	202.55
UTTARAKHAND	28.01	-5.66	-0.03	2.02	5.33	29.67
HIMACHAL PRADESH	17.44	-16.35	-0.71	-1.62	12.92	11.68
J&K(UT) & LADAKH(UT)	35.67	-3.96	-0.36	-4.32	-10.98	16.05
CHANDIGARH	6.91	0.68	0	-2.64	-0.05	4.9
RAILWAYS_NR ISTS	1.92	0.76	0.17	1.01	0.02	3.88
TOTAL	658.05	120.62	1.47	-39.71	-35.51	705.69

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	4,575.37	3,642.3	2,013.33	1,421.16	0	0	0	0
HARYANA	5,808.68	4,232.88	2,526.91	2,237.72	67.07	0	13.01	0
RAJASTHAN	4,709.11	2,850.95	994.52	482.31	48.11	-19.44	0	0
DELHI	4,023.13	2,617.3	998.08	682.09	8.29	0	0	0
UTTAR PRADESH	9,182.53	5,779.56	1,882.83	-40.6	208.45	0.59	10.6	0
UTTARAKHAND	1,305.45	1,047.61	-208.86	-245	3.47	-4.2	0	0
HIMACHAL PRADESH	1,164.52	381.39	-553.94	-826.98	27.77	-62.6	0	0
J&K(UT) & Ladakh(UT)	1,703.62	1,367.25	0	-426	0	-48.3	0	0
CHANDIGARH	318.96	271.02	72.74	0	0	0	0	0
RAILWAYS_NR ISTS	87.37	77.37	31.6	31.6	59.75	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	0	-1,150	0	-100	-1,600	-2,866	0	0
HARYANA	-581.41	-2,466.4	0	-700	96.37	-1,050	0	0
RAJASTHAN	149.28	-861.25	0	0	481.85	-1,416	0	0
DELHI	243.82	-113.81	0	0	732.89	-28.58	0	0
UTTAR PRADESH	428.68	-1,592.97	0	0	1,558.71	-456.29	0	0
UTTARAKHAND	385.48	-44	0	0	459.4	36.43	0	0
HIMACHAL PRADESH	61.07	-101.48	0	0	837.06	272.89	0	0
J&K(UT) & LADAKH(UT)	-14.4	-300	0	0	72.28	-1,050	0	0
CHANDIGARH	0	-185	0	0	0	-33	0	0
RAILWAYS_NR ISTS	59.75	0	0	0	20.24	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	511.75	1,636	500.36	1,114	2,302.3	987.21
Chamera-I	748.75	760	753.95	754.84	9	-	-	1,052.45	235.55
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	612.15	6	610.6	5	1,120.35	662.47
Pong	384.05	426.72	1,084	425.1	1,147	415.32	693	3,002.12	479.01
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	526.5	381	501.57	125	2,530.4	567.71
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	826.55	1,091	826.11	1,082	837.04	553
TOTAL	-	-	-	-	4,270	-	3,019	10,844.66	3,484.95

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	6
DELHI	7	20
HARYANA	4	16
HIMACHAL PRADESH	6	21
J&K(UT) & Ladakh(UT)	6	13
PUNJAB	6	18
RAJASTHAN	8	20
UTTAR PRADESH	4	14
UTTARAKHAND	7	23

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	3,506	2,451	3719	19:15:00	63.55	2,648
NCR_DRAWAL	-	13,010	10,252	13583	14:45:00	287.81	11,992
NCR_DEMAND	-	16,518	12,704	16705	19:45:00	351.32	14,638
LADAKH_DEMAND	-	18	-7	19	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	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