



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

Power Supply Position in Northern Region For 07-Aug-2025

Date of Reporting:08-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
77,645	315	77,960	50.07	66,772	0	66,772	50.03	1,722	2

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	112.82	19.54	0	4.9	0	1.85	139.1	189.11	190.85	1.74	329.95	0	329.95
HARYANA	62.02	0.59	0.55	1.25	0	1.33	65.74	195.85	194.58	-1.27	261.11	0.79	260.32
RAJASTHAN	118.43	2.78	1.76	41.42	31.23	5.52	201.14	141.88	140.64	-1.24	341.78	0	341.78
DELHI	0	0	10.91	0	0	1.46	12.37	129.41	128.7	-0.71	141.07	0	141.07
UTTAR PRADESH	247.2	28.7	0	14.1	0	0.6	290.6	213.98	214.12	0.14	504.72	0	504.72
UTTARAKHAND	0	13.24	3.88	0.58	0	0	17.69	28.19	29.17	0.98	48.07	1.21	46.86
HIMACHAL PRADESH	0	43.6	0	0.13	0	0	43.73	-10.91	-9.15	1.76	34.58	0	34.58
J&K(UT) & Ladakh(UT)	0	24.89	0	0	0	0	24.89	27.05	27.4	0.35	52.29	0	52.29
CHANDIGARH	0	0	0	0	0	0	0	6.7	6.69	-0.01	6.69	0	6.69
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.76	4.16	0.4	4.16	0	4.16
Region	540.47	133.34	17.1	62.38	31.23	10.76	795.26	925.02	927.16	2.14	1,724.42	2	1,722.42

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	11,909	0	338	296	13,741	12,292	0	-99	1,845
HARYANA	11,889	175	-43	2,338	10,961	10,290	0	136	1,899
RAJASTHAN	14,300	0	612	1,533	14,220	13,376	0	-474	2,023
DELHI	6,262	0	-37	1,094	5,877	5,215	0	146	863
UTTAR PRADESH	26,406	0	-84	1,715	21,042	20,789	0	37	-758
UTTARAKHAND	2,238	140	-5	-340	1,977	1,699	0	786	173
HIMACHAL PRADESH	1,611	0	190	-1,065	1,439	1,118	0	46	-1,144
J&K(UT) & Ladakh(UT)	2,512	0	143	-546	2,179	1,598	0	85	-1,369
CHANDIGARH	334	0	10	-12	279	207	0	-3	-84
RAILWAYS_NR ISTS	185	0	31	45	173	188	0	20	61
Region	77,646	315	1,155	5,058	71,888	66,772	0	680	3,509

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	16,238	15:00	0	16,238	16,238	15:00	0	16,238	11,486	19:00	467.25	01:32:00	-669.65	20:58:00
HARYANA	12,194	22:00	50	12,244	12,244	22:00	50	12,194	9,822	7:00	578.32	18:39:00	-467.61	20:33:00
RAJASTHAN	15,259	15:00	0	15,259	15,259	15:00	0	15,259	13,125	4:00	1,560.23	08:59:00	-1,048.2	20:17:00
DELHI	6,975	23:00	0	6,975	6,975	23:00	0	6,975	4,652	6:00	213.64	18:14:00	-195.47	22:53:00
UP	26,878	21:00	0	26,878	26,878	21:00	0	26,878	15,863	7:00	1,008.65	23:59:00	-991.93	19:28:00
UTTARAKHA ..	2,314	18:00	0	2,314	2,314	18:00	0	2,314	1,575	10:00	459.6	11:59:00	-835.89	02:47:00
HP	1,638	9:00	0	1,638	1,638	9:00	0	1,638	1,087	4:00	194.78	23:59:00	-233.97	19:50:00
J&K(UT)&Lad ..	2,616	16:00	0	2,616	2,616	16:00	0	2,616	1,530	4:00	342.03	05:02:00	-238.69	20:12:00
CHANDIGARH	346	15:00	0	346	346	15:00	0	346	202	4:00	26.27	16:44:00	-16.61	20:44:00
RAILWAYS_NR ISTS	196	23:00	0	196	196	23:00	0	196	124	13:00	0	-	0	-
NR	78,690	21:00	724	79,413	79,413	21:00	724	78,690	63,711	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	297	265	296.54	01:00	0		6.85	6.57	274
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	62	37	62.46	03:00	0		1.17	0.88	37
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	143	146	147.46	13:00	0		3.55	3.46	144
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	502	448					11.57	10.91	455
WIND	0	0	0	0		0				
BIOMASS(52)	52	70	37	0		0		1.48	1.46	61
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	572	485					13.05	12.37	516

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	516	337	516	20:00	334	07:30	10.28	9.31	388
JHAJJAR(CLP)(2 * 660)	1,320	1,216	1,128	1,233	02:00	739	15:15	24.58	22.98	958
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	628	538	628	20:00	522	08:00	14.24	12.87	536
RGTPP(KHEDAR)(2 * 600)	1,200	1,014	733	1,014	20:00	709	10:45	17.47	16.86	703
Total THERMAL	3,855	3,374	2,736					66.57	62.02	2,585
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	173	0	173	20:00	0		0.55	0.55	23
Total GAS/NAPTHA/DIESEL	432	173	0					0.55	0.55	23
TOTAL HYDRO HARYANA(64.8)	65	46	0	47	22:00	0	09:30	0.59	0.59	25
Total HYDEL	65	46	0					0.59	0.59	25
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		1.33	1.33	55
SOLAR(196)	196	0	0	0		0		1.25	1.25	52
Total HARYANA	4,654	3,593	2,736					70.29	65.74	2,740

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	198	198	198	01:00	0		4.22	4.21	175
BASPA (IPP) HPS(3 * 100)	300	312	313	313	01:00	0		7.5	7.49	312
MALANA (IPP) HPS(2 * 43)	86	93	82	94	15:00	0		1.89	1.88	78
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	111	111	01:00	0		2.66	2.65	110
OTHER HYDRO HP(503.75)	504	440	423	0		0		10	9.97	415
Total HYDEL	1,281	1,154	1,127					26.27	26.2	1,090
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	654	693	0		0		17.42	17.4	725
Total SMALL HYDRO	765	654	693					17.42	17.4	725
Total HP	2,065	1,808	1,820					43.82	43.73	1,820

J&K(UT) & LADAKH(UT)										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAS/DIESEL/OTHERS J&K(1 * 190)	190	0	0	0		0				
Total GAS/NAPTHA/DIESEL	190	0	0					0	0	0
BAGLIHAR (IPP) HPS(6 * 150)	900	890	890	891		0		21.37	21.37	890
OTHER HYDRO/IPP J&K(308)	308	148	152	163	01:00	0		3.53	3.53	147
Total HYDEL	1,208	1,038	1,042					24.9	24.9	1,037
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	1,038	1,042					24.9	24.9	1,037

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	491	290	491	01:00	290	03:00	11.16	10.14	423
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	421	567	586	05:00	412	19:00	13.89	12.44	518
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	798	625	835	04:00	465	11:00	17.86	16.45	685
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	1,320	1,320	01:00	1,320	01:00	33.07	31.62	1,318
TALWANDI SABO TPS(3 * 660)	1,980	1,733	1,841	1,841	01:00	1,550	13:00	45.15	42.17	1,757
Total THERMAL	5,680	4,763	4,643					121.13	112.82	4,701
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	66	52	66	17:00	46	12:00	1.63	1.63	68
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	81	202	202	01:00	65	14:00	3.67	3.66	153
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	0	600	20:00	0	03:00	7.11	7.09	295
SHANAN(4 * 15 + 1 * 50)	110	110	110	110	01:00	110	01:00	2.52	2.52	105
UBDC(3 * 15 + 3 * 15.5)	92	82	81	82	19:00	81	01:00	1.95	1.95	81
OTHER HYDRO PUNJAB	0	0	0	0		0		2.7	2.7	113
Total HYDEL	1,161	939	445					19.58	19.55	815
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.85	1.85	77
SOLAR(881)	881	54	55	509	12:00	54	19:00	4.9	4.9	204
Total PUNJAB	8,025	5,756	5,143					147.46	139.12	5,797

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	219	221	222	23:00	211	13:00	5.86	5.18	216
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,505	1,480	1,517	21:00	1,139	11:00	36.55	34.04	1,418
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	186	0	217	00:00	0	13:00	2.23	1.81	75
KAWAI TPS(2 * 660)	1,320	624	1,086	1,171	01:00	357	10:00	16.03	15.23	635
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	961	946	1,000	22:00	734	15:00	24.07	21.38	891
RAJWEST (IPP) LTPS(8 * 135)	1,080	604	611	616	06:00	479	12:00	15.64	13.8	575
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	1,189	1,252	1,289	00:00	793	12:00	28.46	26.98	1,124
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	5,288	5,596					128.84	118.42	4,934
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	69	68	69	13:00	67	10:00	1.82	1.76	73
Total GAS/NAPTHA/DIESEL	601	69	68					1.82	1.76	73
RAPS-A(1 * 100 + 1 * 200)	300	153	156	156	03:00	153	15:00	4.13	3.81	159
Total NUCLEAR	300	153	156					4.13	3.81	159
TOTAL HYDRO RAJASTHAN(550)	550	97	149	196	11:00	97	18:00	2.79	2.78	116
Total HYDEL	550	97	149					2.79	2.78	116
WIND(1 * 4328)	4,328	1,227	727	1,638	13:00	1,110	18:00	31.23	31.23	1,301
BIOMASS(102)	102	71	71	71	01:00	71	06:00	1.71	1.71	71
SOLAR(4568)	4,568	24	0	5,173	12:00	0	06:00	41.42	41.42	1,726
Total RAJASTHAN	21,064	6,929	6,767					211.94	201.13	8,380

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	1,380	1,373	1,383	21:00	946	08:00	32.4	30	1,250
ANPARA-C TPS(2 * 600)	1,200	1,101	1,101	1,110	05:00	509	17:00	25.8	23.9	996
ANPARA-D TPS(2 * 500)	1,000	932	943	944	11:00	779	18:00	23.5	22	917
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	195	45	226	16:00	36	12:00	3.1	2.8	117
BARA PPGCL TPS(3 * 660)	1,980	1,701	1,723	1,734	05:00	1,029	13:00	37.2	34.4	1,433
GHATAMPUR TPS (1*660)	660	540	379	558	23:59	306	09:00	11.4	10.2	425
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	704	310	704	20:00	309	01:00	11.6	10.5	438
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	199	0	323	23:59	0	01:00	1.6	1.5	63
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	578	590	608	07:00	347	15:00	14.1	12.7	529
LALITPUR TPS(3 * 660)	1,980	1,804	1,059	1,809	22:00	679	09:00	27	25.4	1,058
MEJA TPS(2 * 660)	1,320	1,111	1,195	1,195	03:00	676	09:00	23.8	22.3	929
OBRA TPS (5 * 200+1*660)	1,660	963	972	992	05:00	815	12:00	24.4	22	917
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS(2 * 210 + 2 * 250)	920	597	487	772	06:00	479	01:00	13.7	12.4	517
ROSA TPS(4 * 300)	1,200	957	606	1,071	06:00	582	09:00	18.7	17.1	713
TANDA TPS(4 * 110)	440	0	0	0		0				
Total THERMAL	19,190	12,762	10,783					268.3	247.2	10,302
ALAKHANANDA HEP(4 * 82.5)	330	343	326	344	14:00	323	02:00	8.1	8.1	338
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	161	142	185	21:00	120	14:00	3.3	3.3	138
Total HYDEL	1,297	1,225	1,189					28.7	28.7	1,197
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	2,023	11:00	0	01:00	14.1	14.1	588
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	14,012	11,997					311.7	290.6	12,112

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	97	48	97	20:00	48	02:00	1.25	1.2	50
SARAVANTI	450	186	85	187	21:00	85	01:00	2.74	2.68	112
Total GAS/NAPTHA/DIESEL	675	283	133					3.99	3.88	162
OTHER HYDRO UK(1250)	1,250	1,056	73	1,056	20:00	64	06:00	13.3	13.24	552
Total HYDEL	1,250	1,056	73					13.3	13.24	552
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	71	11:00	1	18:00	0.58	0.58	24
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,339	206					17.87	17.7	738

(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	1,427	899	1,495	06:30	822	07:45	23.44	25.1	23.18	0.01	966	-0.27
Sub-Total	1,500	1,411	1,427	899	-	-	-	-	23.44	25.1	23.18	0.01	966	-0.27
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,240	1,262	708	1,263	19:00	548	16:00	18.38	18.83	18.54	0	773	0.16
DEHAR HPS(6 * 165)	990	615	635	495	660	15:00	495	04:00	13.29	13.84	13.61	0	567	0.32
PONG HPS(6 * 66)	396	352	360	360	360	15:00	360	04:00	8.45	8.68	8.53	0	355	0.08
Sub-Total	2,801	2,207	2,257	1,563	-	-	-	-	40.12	41.35	40.68	0	1,695	0.56
INFIRM														
TEHRI PSP	1,000	213	0	0	432	22:00	0	-	0.32	0.97	0.1	0	4	-0.22
Sub-Total	1,000	213	0	0	-	-	-	-	0.32	0.97	0.1	0	4	-0.22
NHPC														
BAIRASIUL HPS(3 * 60)	180	186	183	0	188	07:15	0	02:45	3.76	3.74	3.7	0	154	-0.06
CHAMERA I HPS(3 * 180)	540	536	540	539	541	18:00	536	04:00	12.81	12.98	12.82	0	534	0.01
CHAMERA II HPS(3 * 100)	300	312	301	301	303	13:00	299.3	18:00	7.16	7.22	7.18	0	299	0.02
CHAMERA III HPS(3 * 77)	231	240	226	233	237	17:00	222.5	09:00	5.51	5.6	5.54	0.87	231	-0.84
DHAULIGANGA HPS(4 * 70)	280	292	277	281	286	23:00	265.9	09:00	6.69	6.76	6.75	0	281	0.06
DULHASTI HPS(3 * 130)	390	385	370	373	374	19:00	345.2	-	8.72	8.89	8.78	0	366	0.06
KISHANGANGA(3 * 110)	330	336	329	220	334	22:00	0	-	5.84	5.9	5.87	0	245	0.03
PARBATI III HEP(4 * 130)	520	400	260	375	383	01:00	0	-	5.47	7.27	7.22	0	301	1.75
PARBATI-II(4 * 200)	800	-	190	20	388	19:00	182.6	13:00	-	5.11	4.96	0	207	-
SALAL HPS(6 * 115)	690	710	721	719	721	20:00	719	01:00	17.05	17.3	17.09	0	712	0.04
SEWA-II HPS(3 * 40)	120	124	122	122	122	22:00	0	-	2.86	2.94	2.91	0	121	0.05
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	103	26	104	22:59	84.43	17:00	2.16	2.32	2.3	0	96	0.14
URI HPS(4 * 120)	480	390	416	440	460	23:59	290	12:00	9.03	9.35	9.28	0	387	0.25
URI-II HPS(4 * 60)	240	180	196	221	222	07:00	165.91	16:00	4.7	4.89	4.86	0	203	0.16
Sub-Total	5,195	4,184	4,234	3,870	-	-	-	-	91.76	100.27	99.26	0.87	4,137	1.67
NPCL														
NAPS(2 * 220)	440	190	213	216	219	01:00	209	15:00	4.56	5.13	4.55	0	190	-0.01
RAPP-D	700	258	0	0	0	-	0	-	6.19	7.43	6.16	0	257	-0.03
RAPS-B(2 * 220)	440	367	404	420	422	06:00	0	-	8.81	9.96	8.82	0	368	0.01
RAPS-C(2 * 220)	440	406	445	450	450	01:00	0	-	9.74	10.8	9.72	0	405	-0.02
Sub-Total	2,020	1,221	1,062	1,086	-	-	-	-	29.3	33.32	29.25	0	1,220	-0.05
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	384	146	0	214	19:09	0	-	0.83	0.59	0.55	0	23	-0.28
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	615	242	0	242	20:00	0	-	1.27	1.01	0.91	0	38	-0.36
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	800	0	0	432	19:14	0	-	1.53	1.08	1	0	42	-0.53
DADRI-I TPS(4 * 210)	840	576	529	348	535	19:45	0	-	7.97	9.45	8.31	0	346	0.34
DADRI-II TPS(2 * 490)	980	919	850	520	914	22:45	0	-	14.99	16.08	14.91	0	621	-0.08
KOLDAM HPS(4 * 200)	800	871	868	866	880	00:00	0	-	20.91	20.97	20.86	0	869	-0.05
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	3.89	3.96	3.96	0	165	0.07
RIHAND-I STPS(2 * 500)	1,000	920	965	983	991	01:00	610	14:00	20.12	21.35	19.56	-0.06	815	-0.5
RIHAND-II STPS(2 * 500)	1,000	943	961	986	1,007	23:00	595	12:00	20.84	21.94	20.58	-0.15	858	-0.11
RIHAND-III STPS(2 * 500)	1,000	943	946	1,001	1,015	22:00	923	12:00	20.98	22	20.75	-0.14	865	-0.09
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,389	1,478	1,483	1,478	20:00	0	-	30.21	32.56	29.57	0	1,232	-0.64
TANDA TPS STAGE-II(2 * 660)	1,320	1,244	1,204	1,236	1,204	20:00	0	-	24.57	25.97	24.24	0	1,010	-0.33
UNCHAHAH II TPS(2 * 210)	420	379	395	339	401	22:00	249	08:00	6.84	7.66	6.81	0.16	284	-0.19
UNCHAHAH III TPS(1 * 210)	210	191	200	169	207	06:00	119	09:00	3.52	3.9	3.52	0.08	147	-0.08
UNCHAHAH IV TPS(1 * 500)	500	466	482	481	496	21:30	286	15:00	8.97	9.59	8.94	0.07	373	-0.1
UNCHAHAH TPS(2 * 210)	420	365	383	242	383	20:00	240	17:30	6.2	6.97	6.07	0	253	-0.13
Sub-Total	12,655	11,005	9,649	8,654	-	-	-	-	193.64	205.08	190.54	-0.04	7,941	-3.06
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,627	1,645	1,649	11:00	1,586	09:00	38.81	39.42	39.11	0	1,630	0.3
RAMPUR HEP(6 * 68.67)	412	449	445	447	452	08:00	437	09:00	10.5	10.89	10.8	0	450	0.3
Sub-Total	1,912	2,079	2,072	2,092	-	-	-	-	49.31	50.31	49.91	0	2,080	0.6
THDC														
KOTESHWAR HPS(4 * 100)	400	396	391	383	395	16:00	89	07:00	7.19	7.24	7.23	0.06	301	-0.02

TEHRI HPS(4 * 250)	1,000	988	950	984	995	07:00	0	10:00	19.99	20.14	20.05	-0.02	835	0.08
Sub-Total	1,400	1,384	1,341	1,367	-	-	-	-	27.18	27.38	27.28	0.04	1,136	0.06
Total	28,483	23,704	22,042	19,531					455.07	483.78	460.2	0.88	19,179	-0.71

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	210	211	20:00	0	-	5	4.65	4.6	192	-0.4
BUDHIL HPS (IPP)(2 * 35)	70	69	77	78	78	03:00	0	-	1.82	1.86	1.85	77	0.03
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,140	1,140	1,140	19:00	0	-	27.03	27.17	26.99	1,125	-0.04
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	00:00	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	336	343	88	343	20:00	0	-	3.82	4.08	3.79	158	-0.03
SINGOLI BHATWARI HEP(3 * 33)	99	107	104	90	107	22:45	0	-	2.26	2.44	2.42	101	0.16
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	80	104	99	104	20:00	0	-	2.23	2.41	2.4	100	0.17
Sub-Total	1,906	1,926	1,979	1,705	-	-	-	-	42.16	42.61	42.05	1,753	-0.11
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	3.91	3.03	3.03	126	-0.88
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.8	1.86	1.86	78	0.06
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	219	13:06	0	-	1.74	1.81	1.81	75	0.07
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	318	13:23	0	-	2.38	2.44	2.43	101	0.05
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	2.36	2.45	2.45	102	0.09
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	317	13:30	0	-	2.34	2.44	2.43	101	0.09
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	320	13:26	0	-	2.35	2.45	2.45	102	0.1
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.57	1.63	1.63	68	0.06
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	315	13:27	0	-	2.33	2.43	2.42	101	0.09
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.76	0.81	0.81	34	0.05
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.75	0.79	0.79	33	0.04
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	0	-	0	-	3.03	3.07	3.07	128	0.04
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	206	12:35	0	-	1.46	1.56	1.56	65	0.1
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	151	12:00	0	-	1.14	1.1	1.1	46	-0.04
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	132	11:30	0	-	1.09	1.06	1.06	44	-0.03
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.39	0.4	0.4	17	0.01
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	11:15	0	-	1.2	1.23	1.23	51	0.03
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	182	11:19	0	-	1.78	1.73	1.73	72	-0.05
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	122	14:36	0	-	0.83	0.77	0.77	32	-0.06
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	2.94	3.08	3.08	128	0.14
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.69	0.71	0.71	30	0.02
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	101	15:03	0	-	0.69	0.72	0.72	30	0.03
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.16	0.22	0.22	9	0.06
AVAADA RIJN PRIVATE LIMITED(1*240)	240	0	0	0	242	12:37	0	-	1.74	1.7	1.7	71	-0.04
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	356	12:19	0	-	2.54	2.51	2.51	105	-0.03
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	325	13:44	0	-	2.46	2.58	2.57	107	0.11
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	312	13:14	0	-	2.27	2.2	2.2	92	-0.07
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	301	13:10	0	-	2.26	2.28	2.28	95	0.02
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	285	14:55	0	-	1.73	1.67	1.67	70	-0.06
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	591	12:00	0	-	4.53	4.23	4.23	176	-0.3
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	185	13:05	0	-	1.28	1.37	1.37	57	0.09
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	276	12:02	0	-	2.22	2.27	2.27	95	0.05
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	131	15:38	0	-	0.96	1.01	1.01	42	0.05
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1.12	1.72	1.72	72	0.6
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	303	13:05	0	-	2.38	2.4	2.4	100	0.02
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	254	12:40	0	-	1.99	2	1.99	83	0
DADRI SOLAR(5)	5	0	0	0	3	13:00	0	-	0.02	0.02	0.02	1	0

DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.5	1.54	1.54	64	0.04
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.33	1.33	1.33	55	0
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	306	14:08	0	-	2.36	2.41	2.41	100	0.05
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	303	11:27	0	-	2.31	2.41	2.36	98	0.05
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.82	1.89	1.89	79	0.07
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	99	15:26	0	-	0.7	0.72	0.72	30	0.02
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	95	14:48	0	-	0.61	0.61	0.61	25	0
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.49	1.65	1.65	69	0.16
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	47	14:47	0	-	0.3	0.29	0.29	12	-0.01
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	194	14:43	0	-	1.07	1.2	1.19	50	0.12
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.68	1.65	1.65	69	-0.03
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.53	3.6	3.6	150	0.07
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	48	11:21	0	-	0.35	0.38	0.38	16	0.03
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	47	13:03	0	-	0.36	0.38	0.38	16	0.02
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	279	12:30	0	-	2.31	2.29	2.29	95	-0.02
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	97	15:10	0	-	0.7	0.69	0.68	28	-0.02
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.85	1.86	1.86	78	0.01
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.92	1.94	1.94	81	0.02
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.53	0.67	0.67	28	0.14
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	1.14	1.13	1.13	47	-0.01
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.78	1.71	1.71	71	-0.07
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	297	12:03	0	-	2.23	2.28	2.28	95	0.05
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	268	14:49	0	-	1.6	1.63	1.63	68	0.03
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	291	11:59	0	-	2.26	2.31	2.31	96	0.05
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	226	12:52	0	-	0.39	0.41	0.41	17	0.02
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.8	1.6	1.6	67	-0.2
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	298	12:59	0	-	2.23	2.27	2.27	95	0.04
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	307	12:02	0	-	2.24	2.33	2.33	97	0.09
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	1.29	1.23	1.23	51	-0.06
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	203	12:03	0	-	1.59	1.62	1.61	67	0.02
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	2.21	2.2	2.2	92	-0.01
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	99	13:49	0	-	0.77	0.77	0.76	32	-0.01
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	205	12:52	0	-	1.49	1.55	1.55	65	0.06
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	189	12:00	0	-	1.43	1.48	1.48	62	0.05
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	303	12:05	0	-	2.32	2.45	2.45	102	0.13
SJVN GREEN ENERGY LIMITED	242	0	0	0	450	15:03	0	-	2.65	2.96	2.91	121	0.26
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED _BKN2	168	0	0	0	0	-	0	-	1.22	1.34	1.34	56	0.12
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	241	15:28	0	-	1.62	1.72	1.72	72	0.1
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.06	0.06	0.05	2	-0.01
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	271	12:33	0	-	2.09	2.06	2.06	86	-0.03
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	91	14:54	0	-	0.18	0.58	0.58	24	0.4
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	229	13:28	0	-	1.55	1.56	1.56	65	0.01
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	289	13:11	0	-	2.14	2.18	2.13	89	-0.01
TATA POWER SAURYA LIMITED	110	0	0	0	93	14:16	0	-	0.61	0.58	0.58	24	-0.03
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	301	11:59	0	-	2.27	2.22	2.22	93	-0.05
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.43	0.6	0.6	25	0.17
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	110	15:02	0	-	0.72	0.7	0.7	29	-0.02
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	54	15:11	0	-	0.36	0.35	0.35	15	-0.01
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.42	0.33	0.33	14	-0.09
UNCHAHAR SOLAR(10)	10	0	0	0	6	12:00	0.841	07:00	0.02	0.04	0.04	2	0.02
XL XERGI POWER PRIVATE LIMITED	400	0	0	0	220	15:24	0	-	1.87	1.79	1.77	74	-0.1

Sub-Total	18,398	0	0	0	-	-	-	-	136.89	139.3	139.03	5,797	2.14
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	559	14:14	0	-	5.62	5.61	5.6	233	-0.02
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	190	106	370	-	0	-	4.89	4.81	4.81	200	-0.08
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	378	13:16	0	-	2.93	3.02	3.02	126	0.09
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	31	33	75	08:45	0	-	0.98	1.03	1.03	43	0.05
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	299	-	0	-	2.88	2.86	2.86	119	-0.02
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	30	23	62	04:45	0	-	0.68	0.76	0.76	32	0.08
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	295	14:00	0	-	2.88	2.97	2.97	124	0.09
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	31	31	61	05:00	0	-	0.68	0.67	0.67	28	-0.01
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	412	13:10	0	-	3.32	3.33	3.33	139	0.01
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	45	23	90	23:45	0	-	1.22	1.28	1.28	53	0.06
Sub-Total	2,846	0	327	216	-	-	-	-	26.08	26.34	26.33	1,097	0.25
Total	23,150	1,926	2,306	1,921					205.13	208.25	207.41	8,647	2.28

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	35,047	30,196	841.03	795.29	33,140
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6,045	6,093	281.58	281.58	13,892
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-60	-57	1.31	1.31	65
Total Regional Availability(Gross)	118,107	65,380	57,684	1,815.95	1,745.79	74,923

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,408	11,375	279.78	276.35	11,516
State Control Area Hydro	7,855	6,209	4,718	133.55	133.36	5,557
Total Regional Hydro	22,577	18,617	16,093	413.33	409.71	17,073

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,489	327	216	169.6	169.32	7,059
State Control Area Renewable	13,630	1,446	890	99.98	99.96	4,164
Total Regional Renewable	35,119	1,773	1,106	269.58	269.28	11,223

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,623	0	0	161.05	160.77	6,703
State Control Area Solar	8,586	78	55	62.38	62.38	2,599
Total Solar	29,209	78	55	223.43	223.15	9,302

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	327	216	8.55	8.55	356
State Control Area Wind	4,328	1,227	727	31.23	31.23	1,301
Total Wind	5,194	1,554	943	39.78	39.78	1,657

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	0.68	-0.68
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0.65	0	0.65
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.44	0	0.44
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	1.54	0	1.54
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	2.06	0	2.06
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	8.85	0	8.85
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-	-	-	-	4.08	0	4.08
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-	-	-	-	9.65	0	9.65
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	3.08	0	3.08

Import/Export between EAST REGION and NORTH REGION								
13	400KV-Varanasi (PG)-Sasaram(PG)	-57	-58	119	0	1.84	0	1.84
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	8.55	0	8.55
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	5.2	0	5.2
16	765KV-Varanasi (PG)-Gaya(PG)	-484	-786	786	384	8.87	0	8.87
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	17.45	0	17.45
Sub-Total EAST REGION		-541	-844	905	384	72.26	0.68	71.58
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	8.45	0	8.45
Sub-Total NORTH_EAST REGION		0	0	0	0	8.45	0	8.45
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)	-84	-59	-	189	0	2.16	-2.16
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	121	122	137	-	2.83	0	2.83
6	220KV-Ranpur (RS)-Bhanpura(MP)	106	117	128	-	2.67	0	2.67
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-272	-519	685	374	3.9	0	3.9
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	6.94	-6.94
10	400KV-RAPS C (NP)-Sujalpur	-398	-366	573	545	0.44	0	0.44
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-707	-705	0	-810	0	12.87	-12.87
13	765KV-0rai-Jabalpur	2,223	1,928	2,646	0	28.03	0	28.03
14	765KV-0rai-Satna	950	922	1,094	0	17.32	0	17.32
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	21.83	0	21.83
16	765KV-Chittorgarh-Banaskata D/C	640	731	1,612	1,797	0	16.8	-16.8
17	765KV-Phagi (RJ)-Gwalior(PG)	1,701	1,781	2,059	937	20.99	0	20.99
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-2,195	-1,516	2,466	0	34.35	0	34.35
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,501	1,501	2,003	-	37.5	0	37.5
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	-	-	-	-	3.61	0	3.61
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	3,000	3,000	3,000	0	66.85	0	66.85
Sub-Total WEST REGION		6,586	6,937	16,403	3,032	240.32	38.77	201.55
TOTAL IR EXCHANGE		6,045	6,093	17,308	3,416	321.03	39.45	281.58

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-NORTH_EAST REGION	102.18	10.01	0	-0.6	0	88.15	71.58	-16.57
	0	0	0	0	0	0	8.45	8.45
NR-WR	199.74	105.42	0	-55.33	0	205.63	201.55	-4.08
Total	301.92	115.43	0	-55.93	0	293.78	281.58	-12.2

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)	-60	-57	65.232	0	1.31	0	1.31	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	.52	1.89	35.15	80.08	15.75	2.26	.02	18.03
<-----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.	
50.2	09:00:50	49.72	07:21:20	50.01	0.026	0.05	50.13	49.8	0.00

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	410	03:50	398	14:50	0	0	0	0	0
Amritsar(PG) - 400KV	407	19:00	387	14:55	0	23.96	0	0	0
Ballabgarh(PG) - 400KV	410	04:00	386	14:50	0	6.6	0	0	0
Bareilly II(PG) - 400KV	414	08:00	394	22:40	0	0	0	0	0

Bareilly(UP) - 400KV	415	08:00	394	22:40	0	0	0	0	0
Baspa(HP) - 400KV	404	00:00	392	14:45	0	0	0	0	0
Bassi(PG) - 400KV	413	04:00	393	11:10	0	0	0	0	0
Bawana(DTL) - 400KV	411	08:00	396	14:50	0	0	0	0	0
Dadri HVDC(PG). - 400KV	411	07:55	392	14:50	0	0	0	0	0
Gorakhpur(PG) - 400KV	411	15:00	391	21:50	0	0	0	0	0
Hisar(PG) - 400KV	415	04:00	392	14:50	0	0	0	0	0
Kanpur(PG) - 400KV	413	08:00	393	22:15	0	0	0	0	0
Kashipur(UT) - 400KV	417	08:00	407	22:15	0	0	0	0	0
Kishenpur(PG) - 400KV	407	03:55	397	14:50	0	0	0	0	0
Moga(PG) - 400KV	408	20:00	389	14:55	0	2.08	0	0	0
Nallagarh(PG) - 400KV	404	00:00	392	14:45	0	0	0	0	0
Rihand HVDC(PG) - 400KV	400	13:05	391	22:35	0	0	0	0	0
Rihand(NT) - 400KV	401	13:05	394	22:40	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	795	13:05	776	21:30	0	0	0	0	0
Balia(PG) - 765KV	770	16:05	742	22:40	0	0	0	0	0
Bareilly II(PG) - 765KV	787	08:00	748	22:40	0	0	0	0	0
Bhiwani(PG) - 765KV	790	03:50	758	14:50	0	0	0	0	0
Fatehpur(PG) - 765KV	783	13:05	749	22:05	0	0	0	0	0
Jhatikara(PG) - 765KV	784	04:00	749	14:45	0	0	0	0	0
Lucknow II(PG) - 765KV	779	08:00	740	22:40	0	5.56	0	0	0
Meerut(PG) - 765KV	784	08:00	754	22:05	0	0	0	0	0
Moga(PG) - 765KV	789	04:00	749	10:15	0	0	0	0	0
Phagi(RJ) - 765KV	793	04:00	767	22:15	0	0	0	0	0
Unnao(UP) - 765KV	769	08:00	732	22:15	0	19.1	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	1,844.52	0	0	0	0	0	0	1,896.48	0	-750	-700	0	-100	-50
HARYANA	2,660.52	3.07	-765	0	0	0	0	2,868.56	1.5	0.09	2.51	0	-435	-100
RAJASTHAN	1,094.18	-5.83	-25.1	959.8	0	0	0	1,108.36	-31.94	-81.71	513.07	0	0	25.25
DELHI	999.37	0.77	-218	81.29	0	0	0	1,142.51	59.43	-6.73	-101.34	0	0	0
UTTAR PRADESH	615.57	110.16	-1,097.51	-385.78	0	0	0	1,646.48	17.78	-8.31	58.76	0	0	0
UTTARAKHA ..	-539.68	-7.2	0	719.85	0	0	0	-392.01	-11.2	1.62	61.66	0	0	0
HIMACHAL PRADESH	-814.21	-90.2	-17.24	-222.44	0	0	0	-915.21	-90.2	-37.04	-22.97	0	0	0
J&K(UT) & LADAKH(UT)	-400	-41.1	-14.4	-913.4	0	0	0	-522	-56.7	-16.3	49.32	0	0	0
CHANDIGARH	79.5	0	-126	-37	0	0	0	110.23	0	-85	-37	0	0	0
RAILWAYS_NRI	35.95	24.95	0	0	0	0	0	35.95	3.29	0.18	5.42	0	0	0
TOTAL	5,575.72	-5.38	-2,263.25	202.32	0	0	0	6,979.35	-108.04	-983.2	-170.57	0	-535	-124.75

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	125.38	43.93	0.02	-5.52	25.3	189.11
HARYANA	141.04	71.02	1.1	-11.01	-5.54	195.95
RAJASTHAN	114.07	24.63	-0.46	-7.97	11.61	141.88
DELHI	101.23	24.42	0.76	-0.56	3.56	129.41
UTTAR PRADESH	212.84	13.31	1.45	-14.52	0.9	213.98
UTTARAKHAND	30.13	-9.66	-0.1	0.76	8.32	28.27
HIMACHAL PRADESH	14.36	-18.96	-1.94	-0.22	-4.15	-10.91
J&K(UT) & LADAKH(UT)	44.92	-4.95	-0.68	-0.23	-12.01	27.05
CHANDIGARH	7.5	1.63	0	-1.62	-0.81	6.7
RAILWAYS_NR ISTS	2.58	0.86	0.16	0.1	0.06	3.76
TOTAL	794.05	146.23	0.31	-40.79	27.24	925.2

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	5,461.12	4,961.4	2,027.23	1,556.58	8.25	0	0	0
HARYANA	6,336.16	5,179.06	3,380.18	2,294.85	113.06	0	0	0
RAJASTHAN	5,189.85	3,314.59	1,292.86	793.85	32.6	-65.3	0	0
DELHI	4,722.36	3,557.36	1,195.36	745.11	235.92	0	0	0
UTTAR PRADESH	11,151.39	6,778.94	1,876.52	32.95	131.14	-7.5	0	0
UTTARAKHAND	1,427.86	863.18	-316.98	-629.68	0	-15.2	0	0
HIMACHAL PRADESH	994.8	99.89	-499.29	-915.21	-48.19	-90.2	0	0
J&K(UT) & Ladakh(UT)	1,977.33	1,802.86	0	-522	0	-56.7	0	0
CHANDIGARH	341.06	255.16	110.23	36.29	0	0	0	0
RAILWAYS_NR ISTS	122.25	91.3	35.95	35.95	24.95	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	435.52	-1,550	0	-100	3,156.59	-1,244.5	0	-50
HARYANA	3.84	-1,350	0	-656	814.34	-950	0	-200
RAJASTHAN	67.88	-1,245.79	0	0	1,868.39	-1,005.3	143.97	0
DELHI	343.1	-638	0	0	557.64	-292.2	0	0
UTTAR PRADESH	276.71	-4,365.26	0	-96	646.98	-638.35	18.16	0
UTTARAKHAND	119.78	0	0	0	863.82	-174.76	0	0
HIMACHAL PRADESH	27.28	-37.2	0	0	143.58	-524	18.66	0
J&K(UT) & LADAKH(UT)	0	-20.1	0	0	118.19	-938	0	0
CHANDIGARH	0	-155	0	0	0	-60	0	0
RAILWAYS_NR ISTS	24.95	0	0	0	24.95	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	500.31	1,101	492.27	808	1,858.77	505.77
Chamera-I	748.75	760	753.95	756.74	13	-	-	456.56	351.46
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.35	5	610.55	5	474	490.78
Pong	384.05	426.72	1,084	419.39	862	407.06	398	2,369.27	508.37
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	517.09	286	495.37	54	633.16	281.21
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	808.16	735	800.68	606	827.21	474
TOTAL	-	-	-	-	3,002	-	1,871	6,618.97	2,611.59

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	9.72
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	33.33
UP	0
Punjab	0.69

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	0
DELHI	8	36
HARYANA	7	21
HIMACHAL PRADESH	5	29
J&K(UT) & Ladakh(UT)	6	11
PUNJAB	5	17
RAJASTHAN	10	17
UTTAR PRADESH	1	9
UTTARAKHAND	8	25

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

	Inst Capacity	20:00	03:00	Day Peak			
Station/Constituents	(MW)	Peak MW	Off Peak MW	MW	HRS	Net MU	AVG MW
NCR_GENERATION	9225	5,727	4,118	5828	19:30:00	104.84	4,368
NCR_DRAWAL	-	14,026	13,159	15817	14:15:00	329.41	13,726
NCR_DEMAND	-	19,753	17,277	20798	22:45:00	434.26	18,094
LADAKH_DEMAND	-	10	-9	10	19:45:00	-0.03	-1

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	0.794	568.75	50	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	1.21	410	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