



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

Power Supply Position in Northern Region For 21-Sep-2025

Date of Reporting:22-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
75,735	0	75,735	49.99	68,009	0	68,009	49.98	1,646	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	90.45	16	0	4.17	0	1.72	112.34	175.13	173.45	-1.68	285.79	0	285.79
HARYANA	51.79	0.53	0	1.26	0	1.08	54.65	182.39	181.24	-1.15	235.89	0	235.89
RAJASTHAN	143.47	5.72	0.84	44.9	12.64	5.41	212.98	116.44	110.1	-6.34	323.08	0	323.08
DELHI	0	0	7.24	0	0	1.41	8.65	121.8	121.5	-0.3	130.15	0	130.15
UTTAR PRADESH	278.53	27.7	0	15.7	0	0.6	322.53	208.48	208.63	0.15	531.16	0	531.16
UTTARAKHAND	0	26.96	0	0.54	0	0	27.5	17.08	17.03	-0.05	44.53	0	44.53
HIMACHAL PRADESH	0	34.54	0	0.13	0	0	34.67	-1.82	-1.8	0.02	32.87	0	32.87
J&K(UT) & Ladakh(UT)	0	18.17	0	0	0	0	18.17	33.79	35.51	1.72	53.68	0	53.68
CHANDIGARH	0	0	0	0	0	0	0	5.24	5.36	0.12	5.36	0	5.36
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.79	3.88	0.09	3.88	0	3.88
Region	564.24	129.62	8.08	66.7	12.64	10.22	791.49	862.32	854.9	-7.42	1,646.39	0	1,646.39

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	12,067	0	-222	1,031	11,895	10,959	0	231	982
HARYANA	10,014	0	-45	1,122	9,929	10,659	0	160	2,574
RAJASTHAN	13,633	0	-291	1,241	13,492	13,201	0	-271	980
DELHI	5,650	0	-207	969	5,422	5,279	0	222	930
UTTAR PRADESH	27,737	0	42	3,784	22,043	22,831	0	195	1,178
UTTARAKHAND	2,115	0	5	-331	1,855	1,848	0	50	-406
HIMACHAL PRADESH	1,405	0	56	-317	1,365	1,204	0	-33	-248
J&K(UT) & Ladakh(UT)	2,651	0	49	-231	2,237	1,668	0	105	-218
CHANDIGARH	284	0	1	-84	224	199	0	19	-110
RAILWAYS_NR ISTS	178	0	9	91	162	161	0	-8	91
Region	75,734	0	-603	7,275	68,624	68,009	0	670	5,753

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	12,666	19:00	0	12,666	12,666	19:00	0	12,666	10,610	2:00	-	-	-	-
HARYANA	10,659	3:00	0	10,659	10,659	3:00	0	10,659	9,095	8:00	-	-	-	-
RAJASTHAN	14,520	0:00	0	14,520	14,520	0:00	0	14,520	12,513	18:00	-	-	-	-
DELHI	6,426	23:00	0	6,426	6,426	23:00	0	6,426	4,450	9:00	-	-	-	-
UP	27,847	21:00	0	27,847	27,847	21:00	0	27,847	16,822	16:00	-	-	-	-
UTTARAKHA ..	2,177	18:00	0	2,177	2,177	18:00	0	2,177	1,477	11:00	-	-	-	-
HP	1,618	7:00	0	1,618	1,618	7:00	0	1,618	1,193	2:00	-	-	-	-
J&K(UT)&Lad ..	2,651	20:00	0	2,651	2,651	20:00	0	2,651	1,642	4:00	-	-	-	-
CHANDIGARH	284	20:00	0	284	284	20:00	0	284	178	11:00	-	-	-	-
RAILWAYS_NR ISTS	201	22:00	0	201	201	22:00	0	201	128	13:00	-	-	-	-
NR	75,938	21:00	0	75,938	75,938	21:00	0	75,938	63,369	7:00	-	-	-	-

3(A) State Entities Generation:

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

DELHI										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAWANA GPS(2 * 253 + 4 * 216)	1,370	0	0	0	00:00	0	00:00	0	0	0
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	33	35	34.86	02:00	32	14:00	0.82	0.77	32
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	275	277	278.85	08:00	171	17:00	6.63	6.47	270
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	308	312					7.45	7.24	302
WIND	0	0	0	0		0				
BIOMASS(52)	52	38	54	63.76	08:00	36	21:00	1.62	1.41	59
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	346	366					9.07	8.65	361

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	347	365	493	02:00	342	18:00	9.09	8.21	342
JHAJJAR(CLP)(2 * 660)	1,320	916	753	916	20:00	728	10:00	19.75	18.37	765
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	361	362	363	10:00	355	13:30	9.39	8.5	354
RGTPP(KHEDAR)(2 * 600)	1,200	717	708	724	09:00	695	17:45	17.24	16.7	696
Total THERMAL	3,855	2,341	2,188					55.47	51.78	2,157
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	23	22	24	00:00	16	13:00	0.53	0.53	22
Total HYDEL	65	23	22					0.53	0.53	22
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		1.08	1.08	45
SOLAR(196)	196	0	0	0		0		1.26	1.26	53
Total HARYANA	4,654	2,364	2,210					58.34	54.65	2,277

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	120	94	122	19:00	86	12:00	2.36	2.36	98
BASPA (IPP) HPS(3 * 100)	300	301	216	301	20:00	187	11:00	5.88	5.88	245
MALANA (IPP) HPS(2 * 43)	86	0	0	0	01:00	0	06:00	0	0	0
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	37	111	08:00	37	13:00	1.89	1.89	79
OTHER HYDRO HP(503.75)	504	307	315	0		0		7.03	7.02	293
Total HYDEL	1,281	839	662					17.16	17.15	715
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	680	739	0		0		17.41	17.39	725
Total SMALL HYDRO	765	680	739					17.41	17.39	725
Total HP	2,065	1,519	1,401					34.7	34.67	1,445

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		13.96	13.96	582
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		4.21	4.21	175
Total HYDEL	1,208	0	0					18.17	18.17	757
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					18.17	18.17	757

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	20:00	290	03:00	9.68	8.79	366
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	288	257	293	23:00	256	01:00	7.33	6.46	269
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	823	616	824	19:00	616	03:00	18.05	16.46	686
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	1,320	1,320	01:00	660	11:00	27.44	26.21	1,092
TALWANDI SABO TPS(3 * 660)	1,980	1,785	1,353	1,800	21:00	924	10:00	34.98	32.53	1,355
Total THERMAL	5,680	4,707	3,836					97.48	90.45	3,768
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	109	109	109	01:00	109	01:00	2.67	2.66	111
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	151	153	153	01:00	151	16:00	3.64	3.63	151
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	120	600	20:00	120	03:00	5.53	5.51	230
SHANAN(4 * 15 + 1 * 50)	110	100	105	105	01:00	90	07:00	2.33	2.33	97
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		1.87	1.87	78
Total HYDEL	1,161	960	487					16.04	16	667
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.72	1.72	72
SOLAR(881)	881	54	55	429	13:00	53	04:00	4.17	4.17	174
Total PUNJAB	8,025	5,721	4,378					119.41	112.34	4,681

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	112	06:00	110	11:00	2.98	2.64	110
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,771	1,759	1,785	21:00	1,115	10:00	39.72	36.85	1,535
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	999	1,049	1,065	04:00	635	10:00	22.86	21.41	892
KAWAI TPS(2 * 660)	1,320	595	587	597	19:00	357	15:00	12.81	12.27	511
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	961	942	1,001	23:00	725	10:00	23.03	20.42	851
RAJWEST (IPP) LTPS(8 * 135)	1,080	677	654	689	00:00	543	10:00	17.15	14.87	620
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	1,773	1,699	1,872	22:00	963	14:00	37.93	35.01	1,459
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	6,887	6,802					156.48	143.47	5,978
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	38	49	49	04:00	38	15:00	0.88	0.84	35
Total GAS/NAPTHA/DIESEL	601	38	49					0.88	0.84	35
RAPS-A(1 * 100 + 1 * 200)	300	176	178	178	06:00	177	10:00	4.67	4.34	181
Total NUCLEAR	300	176	178					4.67	4.34	181
TOTAL HYDRO RAJASTHAN(550)	550	231	297	297	02:00	181	12:00	5.74	5.72	238
Total HYDEL	550	231	297					5.74	5.72	238
WIND(1 * 4328)	4,328	346	868	872	00:00	48	16:00	12.64	12.64	527
BIOMASS(102)	102	45	45	45	01:00	45	06:00	1.07	1.07	45
SOLAR(6560)	6,560	0	0	5,787	13:00	0	06:00	44.9	44.9	1,871
Total RAJASTHAN	23,056	7,723	8,239					226.38	212.98	8,875

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	1,363	1,358	1,368	22:00	902	11:00	30.1	28	1,167
ANPARA-C TPS(2 * 600)	1,200	1,101	1,110	1,110	03:00	587	10:00	23.7	21.9	913
ANPARA-D TPS(2 * 500)	1,000	934	938	942	18:00	541	11:00	20.6	19.3	804
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	260	258	366	22:00	158	11:00	5.9	5.3	221
BARA PPGCL TPS(3 * 660)	1,980	1,690	1,728	1,740	23:00	1,029	09:00	36.4	33.7	1,404
GHATAMPUR TPS (1*660)	660	565	317	572	23:00	276	01:00	11.2	10	417
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	662	624	1,000	19:00	619	06:00	18	16.3	679
INFIRM POWER	660	616	608	616	20:00	602	07:00	16.2	14.6	608
JAWAHARPUR TPS(2*660)	1,320	341	335	548	19:00	314	09:00	9.7	8.7	363
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	656	666	680	23:18	357	14:05	12.89	11.93	497
LALITPUR TPS(3 * 660)	1,980	1,743	1,706	1,852	05:00	1,013	08:00	35.8	33.6	1,400
MEJA TPS(2 * 660)	1,320	1,209	684	1,221	23:00	683	09:00	22.1	20.7	863
OBRA TPS(5 * 200+1*660)	1,660	831	656	854	21:00	594	02:00	20.5	18.5	771
PANKI_I TPS(1 * 660)	660	239	343	347	08:00	0	17:00	7.5	6.7	279
PARICHA TPS(2 * 210 + 2 * 250)	920	2,814	551	2,814	20:00	473	11:00	13.7	12.4	517
ROSA TPS(4 * 300)	1,200	769	691	1,064	22:00	587	10:00	18.5	16.9	704
Total THERMAL	18,750	15,793	12,573					302.79	278.53	11,607
ALAKHANANDA HEP(4 * 82.5)	330	353	339	354	21:00	248	10:00	7.6	7.6	317
RIHAND HPS(6 * 50)	300	280	235	280	18:00	235	01:00	5.9	5.9	246
VISHNUPARYAG HPS(4 * 110)	440	436	436	436	01:00	346	11:00	10	10	417
OTHER HYDRO UP(227)	227	180	181	186	22:00	138	11:00	4.2	4.2	175
Total HYDEL	1,297	1,249	1,191					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	2,137	12:00	0	01:00	15.7	15.7	654
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	24,075	17,067	13,789					346.79	322.53	13,441

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	1,143	1,136	1,143	20:00	1,069	14:00	27.04	26.96	1,123
Total HYDEL	1,250	1,143	1,136					27.04	26.96	1,123
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	86	14:00	5	07:00	0.54	0.54	23
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,143	1,136					27.58	27.5	1,146

(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	1,406	1,268	869	1,447	19:15	816	02:00	20.06	22.17	20.42	0	851	0.36
Sub-Total	1,500	1,406	1,268	869	-	-	-	-	20.06	22.17	20.42	0	851	0.36
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,372	1,404	1,404	1,404	20:00	1,404	03:00	32.93	33.75	33.28	0	1,387	0.35
DEHAR HPS(6 * 165)	990	560	660	575	660	20:00	570	04:00	12.78	13.28	13.01	0	542	0.23
PONG HPS(6 * 66)	396	352	360	360	360	20:00	360	03:00	8.45	8.68	8.5	0	354	0.05
Sub-Total	2,801	2,284	2,424	2,339	-	-	-	-	54.16	55.71	54.79	0	2,283	0.63
NHPC														
BAIRASIUL HPS(3 * 60)	180	186	186	125	186	20:00	59.12	10:00	2.69	2.83	2.79	0	116	0.1
CHAMERA I HPS(3 * 180)	540	540	418	237	540	13:00	0	-	7.89	8.26	8.14	0	339	0.25
CHAMERA II HPS(3 * 100)	300	312	302	299	302	19:00	0	-	5.16	5.23	5.19	0	216	0.03
CHAMERA III HPS(3 * 77)	231	228	225	62	227	19:00	0	11:00	2.02	1.98	1.96	0	82	-0.06
DHAULIGANGA HPS(4 * 70)	280	216	213	215	215	03:00	206.5	10:00	5.01	5.1	5.08	0	212	0.07
DULHASTI HPS(3 * 130)	390	257	260	260	261	16:00	253.4	10:00	6.17	6.24	6.14	0	256	-0.03
KISHANGANGA(3 * 110)	330	326	330	109	330	19:00	0	-	3.61	3.69	3.67	0	153	0.06
PARBATI III HEP(4 * 130)	520	190	190	104	191	19:00	0	-	2.08	2.15	2.13	0	89	0.05
PARBATI-II(4 * 200)	800	0	0	0	0	-	0	01:00	0	0	0.02	0	1	0.02
SALAL HPS(6 * 115)	690	660	681	462	710	10:00	337	07:00	13.77	14.18	14.01	0	584	0.24
SEWA-II HPS(3 * 40)	120	119	124	84	124	20:00	0	-	1.71	1.74	1.72	0	72	0.01
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	104	104	105	13:00	103.52	15:00	2.26	2.5	2.47	0	103	0.21
URI HPS(4 * 120)	480	435	443	455	463	01:30	290	23:15	10.37	10.51	10.44	0	435	0.07
URI-II HPS(4 * 60)	240	225	239	238	239	20:00	238.01	05:00	5.46	5.72	5.68	0	237	0.22
Sub-Total	5,195	3,787	3,715	2,754	-	-	-	-	68.2	70.13	69.44	0	2,895	1.24
NPCL														
NAPS(2 * 220)	440	186	212	213	219	23:59	0	-	4.46	5.07	4.47	0	186	0.01
RAPP-D	700	183	0	0	0	-	0	-	1.66	4.63	3.33	0	139	1.67
RAPS-B(2 * 220)	440	344	378	391	392	10:00	0	-	8.25	9.3	8.2	0	342	-0.05
RAPS-C(2 * 220)	440	407	447	453	453	01:00	0	-	9.77	10.82	9.79	0	408	0.02
Sub-Total	2,020	1,120	1,037	1,057	-	-	-	-	24.14	29.82	25.79	0	1,075	1.65
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	256	0	0	0	-	0	-	0	0	0.09	0	4	0.09
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	636	0	0	0	-	0	-	0	0	0.1	0	4	0.1
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	770	0	0	743	00:00	0	-	0	0	0.02	0	1	0.02
DADRI-I TPS(4 * 210)	840	769	0	0	0	-	0	-	10.38	12.12	10.89	0	454	0.51
DADRI-II TPS(2 * 490)	980	919	0	0	0	-	0	-	12.73	13.98	12.95	0	540	0.22
KOLDAM HPS(4 * 200)	800	871	869	643	869	20:00	0	-	16.99	17.27	17.18	0	716	0.19
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.4	2.01	2.01	0	84	-2.39
RIHAND-I STPS(2 * 500)	1,000	460	487	493	497	23:00	269	10:00	9.33	10.05	9.08	0	378	-0.25
RIHAND-II STPS(2 * 500)	1,000	943	1,006	993	1,006	18:00	543	09:00	19.12	20.27	18.94	0	789	-0.18
RIHAND-III STPS(2 * 500)	1,000	943	1,020	990	1,020	20:00	541	09:00	19.12	20.26	19.02	0	793	-0.1
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,630	1,741	1,810	1,741	20:00	790	12:00	32.87	35.84	32.63	0	1,360	-0.24
TANDA TPS(4 * 110)	440	-	0	0	0	-	0	-	-	-	-	-	-	-
TANDA TPS STAGE-II(2 * 660)	1,320	960	1,013	981	1,013	20:00	0	-	20.79	22.26	20.6	0	858	-0.19
UNCHAHAH II TPS(2 * 210)	420	375	347	251	347	20:00	0	-	5.65	6.63	5.86	0	244	0.21
UNCHAHAH III TPS(1 * 210)	210	189	178	129	178	20:00	0	-	2.89	3.29	2.97	0	124	0.08
UNCHAHAH IV TPS(1 * 500)	500	466	479	306	479	20:00	0	-	7.52	8.31	7.71	0	321	0.19
UNCHAHAH TPS(2 * 210)	420	189	182	125	182	20:00	0	-	2.82	3.25	2.83	0	118	0.01
Sub-Total	13,095	10,376	7,322	6,721	-	-	-	-	164.61	175.54	162.88	0	6,788	-1.73
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,640	1,485	1,640	20:00	1,390	17:00	35.17	35.88	35.59	0	1,483	0.42
RAMPUR HEP(6 * 68.67)	412	449	451	424	453	19:00	384	17:00	9.69	10.2	10.13	0	422	0.44
Sub-Total	1,912	2,079	2,091	1,909	-	-	-	-	44.86	46.08	45.72	0	1,905	0.86
THDC														
KOTESHWAR HPS(4 * 100)	400	400	398	377	398	20:00	99	14:00	6.29	6.58	6.57	0	274	0.28
TEHRI HPS(4 * 250)	1,000	1,072	1,078	1,083	1,083	03:00	0	11:00	18.94	18.98	18.88	0	787	-0.06
TEHRI PSP(4 * 250)	1,000	500	500	0	500	-	0	-	0.26	1.53	0.2	0	8	-0.06

Sub-Total	2,400	1,972	1,976	1,460	-	-	-	-	25.49	27.09	25.65	0	1,069	0.16
Total	28,923	23,024	19,833	17,109					401.52	426.54	404.69	0	16,866	3.17

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	189	189	98	200	23:00	0	-	2.82	2.86	2.84	118	0.02
BUDHIL HPS (IPP)(2 * 35)	70	36	71	51	71	20:00	38.34	16:00	1.22	1.25	1.24	52	0.02
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,140	850	1,140	22:00	700	16:00	20.6	20.75	20.62	859	0.02
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	338	0	0	0	-	0	-	3.78	-	-	-	-
SINGOLI BHATWARI HEP(3 * 33)	99	107	107	107	107	20:15	0	-	2.3	2.6	2.57	107	0.27
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	75	89	70	90	19:00	0	-	1.76	1.78	1.77	74	0.01
Sub-Total	1,906	1,871	1,596	1,176	-	-	-	-	32.48	29.24	29.04	1,210	0.34
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	400	0	0	0	0	-	0	-	2.48	2.06	2.05	85	-0.43
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.37	1.41	1.41	59	0.04
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	196	14:40	0	-	1.29	1.27	1.27	53	-0.02
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	0	-	0	-	1.74	1.56	1.56	65	-0.18
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	1.75	1.71	1.7	71	-0.05
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	1.74	1.55	1.55	65	-0.19
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	0	-	0	-	1.74	1.56	1.56	65	-0.18
ACME SIKAR SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.45	1.45	1.45	60	0
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	0	-	0	-	1.74	1.55	1.55	65	-0.19
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.62	0.69	0.68	28	0.06
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.61	0.67	0.67	28	0.06
ADANI GREEN ENERGY TWENTY FOUR LIMITED	500	0	0	0	364	09:27	0	-	2.05	2.14	2.12	88	0.07
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	190	12:17	0	-	1.37	1.4	1.4	58	0.03
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	156	12:00	0	-	1.1	1.17	1.17	49	0.07
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	142	12:00	0	-	1.05	1.11	1.11	46	0.06
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.31	0.31	0.31	13	0
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	11:10	0	-	1.16	1.18	1.18	49	0.02
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	173	10:16	0	-	1.48	1.58	1.58	66	0.1
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	0	-	0	-	0.69	0.67	0.67	28	-0.02
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	335	14:27	0	-	2.05	2.13	2.13	89	0.08
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	1.15	1.15	1.15	48	0
AMP ENERGY GREEN FOUR PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.57	0.62	0.62	26	0.05
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	88	09:29	0	-	0.59	0.63	0.63	26	0.04
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.2	0.22	0.21	9	0.01
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	243	11:51	0	-	1.73	1.79	1.79	75	0.06
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	280	14:30	0	-	1.86	1.89	1.89	79	0.03
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	294	14:46	0	-	1.82	1.84	1.83	76	0.01
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	229	14:59	0	-	1.58	1.61	1.61	67	0.03
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	229	14:54	0	-	1.6	1.61	1.61	67	0.01
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	231	09:36	0	-	1.24	1.23	1.23	51	-0.01
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	379	09:39	0	-	2.8	2.76	2.76	115	-0.04
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	185	12:42	0	-	1.26	1.34	1.34	56	0.08
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	269	12:36	0	-	1.93	1.99	1.99	83	0.06
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	132	12:19	0	-	0.93	0.94	0.94	39	0.01
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1.07	1.56	1.56	65	0.49
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	272	14:56	0	-	1.64	1.65	1.65	69	0.01
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	211	14:51	0	-	1.41	1.39	1.39	58	-0.02

DADRI SOLAR(5)	5	0	0	0	3	12:00	0	-	0.02	0.02	0.02	1	0
DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.46	1.51	1.51	63	0.05
EDEN RENEWABLE ALMA PRIVATE LIMITED	300	0	0	0	2,237	15:16	0	-	1.56	1.56	1.55	65	-0.01
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	274	15:56	0	-	1.68	1.75	1.75	73	0.07
GORBEA SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.66	1.63	1.63	68	-0.03
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	88	09:31	0	-	0.62	0.63	0.63	26	0.01
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	83	09:44	0	-	0.54	0.55	0.55	23	0.01
JUNA RENEWABLE ENERGY PRIVATE LIMITED	335	0	0	0	0	-	0	-	1.94	1.94	1.94	81	0
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	39	09:45	0	-	0.25	0.27	0.27	11	0.02
KARNISAR SOLAR PLANT NHPC LIMITED	214	0	0	0	185	09:46	0	-	0.98	1.08	1.07	45	0.09
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.58	1.62	1.62	68	0.04
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	2.51	2.48	2.47	103	-0.04
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	46	12:14	0	-	0.35	0.34	0.34	14	-0.01
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	46	13:06	0	-	0.33	0.34	0.34	14	0.01
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	241	15:00	0	-	1.62	1.61	1.61	67	-0.01
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	86	09:33	0	-	0.63	0.62	0.62	26	-0.01
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.36	1.34	1.34	56	-0.02
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.35	1.32	1.32	55	-0.03
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.6	0.68	0.68	28	0.08
NTPC NIDAN SOLAR(1*296)	296	0	0	0	223	14:37	0	-	1.54	1.59	1.57	65	0.03
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	200	0	0	0	0	-	0	-	0.99	1.05	1.05	44	0.06
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.18	1.24	1.23	51	0.05
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	226	14:52	0	-	1.57	1.56	1.56	65	-0.01
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	197	09:18	0	-	1.12	1.16	1.16	48	0.04
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	245	14:52	0	-	1.59	1.6	1.6	67	0.01
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	195	14:45	0	-	0.37	1.24	1.24	52	0.87
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.25	0.62	0.62	26	-0.63
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	281	14:24	0	-	1.55	1.59	1.59	66	0.04
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	265	14:31	0	-	1.58	1.59	1.59	66	0.01
RENEW SURYA JYOTI PRIVATE LIMITED	210	0	0	0	0	-	0	-	1.1	1.12	1.12	47	0.02
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	204	11:14	0	-	1.47	1.6	1.59	66	0.12
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.59	1.61	1.6	67	0.01
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	99	12:29	0	-	0.73	0.76	0.76	32	0.03
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	203	12:48	0	-	1.47	1.47	1.46	61	-0.01
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	197	11:53	0	-	1.43	1.48	1.48	62	0.05
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	302	15:05	0	-	1.57	1.75	1.75	73	0.18
SJVN GREEN ENERGY LIMITED	501	0	0	0	412	09:46	0	-	1.84	2.12	2.1	88	0.26
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED_BKN2	168	0	0	0	0	-	0	-	1.1	1.13	1.13	47	0.03
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	232	0	0	0	225	09:20	0	-	1.49	1.47	1.47	61	-0.02
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.06	0.06	0.06	3	0
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	232	14:51	0	-	1.49	1.51	1.51	63	0.02
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	0	-	0	-	0.16	0.16	0.16	7	0
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	227	12:05	0	-	1.58	1.6	1.6	67	0.02
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	219	14:54	0	-	1.49	1.48	1.48	62	-0.01
TATA POWER SAURYA LIMITED	110	0	0	0	84	09:41	0	-	0.56	0.55	0.55	23	-0.01
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	228	14:47	0	-	1.57	1.61	1.61	67	0.04
TRANSITION ENERGY SERVICES PRIVATE LIMITED	60	0	0	0	0	-	0	-	0.38	0.51	0.51	21	0.13
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.61	0.51	0.51	21	-0.1
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	0	-	0	-	0.32	0.31	0.31	13	-0.01
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.34	0.28	0.28	12	-0.06
UNCHAHAHAR SOLAR(10)	10	0	0	0	0	-	0	-	0.01	0.04	0.04	2	0.03

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	0	-	0	-	1.81	1.81	1.81	75	0
Sub-Total	20,031	0	0	0	-	-	-	-	109.12	110.86	110.68	4,616	1.56
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	569	09:52	0	-	4.07	4.21	4.2	175	0.13
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	68	298	311	-	0	-	3.29	3.04	3.04	127	-0.25
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	0	-	0	-	2.78	3.65	3.63	151	0.85
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	17	69	69	03:00	0	-	0.8	0.74	0.74	31	-0.06
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	286	-	0	-	2.07	2.09	2.09	87	0.02
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	9	55	59	03:30	0	-	0.59	0.63	0.63	26	0.04
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	297	09:15	0	-	2.06	2.22	2.22	93	0.16
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	5	54	54	03:00	0	-	0.57	0.49	0.49	20	-0.08
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	364	14:49	0	-	2.36	2.42	2.42	101	0.06
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	37	85	97	02:00	0	-	0.88	0.92	0.92	38	0.04
Sub-Total	2,846	0	136	561	-	-	-	-	19.47	20.41	20.38	849	0.91
Total	24,783	1,871	1,732	1,737					161.07	160.51	160.1	6,675	2.81

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	68,026	35,883	31,519	840.44	791.49	32,983
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5,427	4,077	306.65	306.65	14,613
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-34	-63	1.33	1.33	66
Total Regional Availability(Gross)	121,732	62,841	54,379	1,735.47	1,664.26	71,203

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,671	10,281	245.52	241.82	10,078
State Control Area Hydro	7,855	5,125	4,534	129.79	129.62	5,402
Total Regional Hydro	22,577	17,796	14,815	375.31	371.44	15,480

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	23,122	136	561	133.28	133.07	5,549
State Control Area Renewable	15,622	483	1,022	84.83	84.62	3,528
Total Regional Renewable	38,744	619	1,583	218.11	217.69	9,077

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	22,256	0	0	127.46	127.25	5,307
State Control Area Solar	10,578	54	55	66.7	66.7	2,780
Total Solar	32,834	54	55	194.16	193.95	8,087

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	136	561	5.82	5.82	242
State Control Area Wind	4,328	346	868	12.64	12.64	527
Total Wind	5,194	482	1,429	18.46	18.46	769

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	0.59	-0.59
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.56	0	1.56
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.48	0	0.48
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	2.98	0	2.98
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	4.23	0	4.23
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	15.2	0	15.2
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-	-	-	-	7.1	0	7.1
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-	-	-	-	11.62	0	11.62

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	2.37	0	2.37
13	400KV-Varanasi (PG)-Sasaram(PG)	-72	-51	133	0	1.88	0	1.88
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	12.6	0	12.6
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	1.58	0	1.58
16	765KV-Varanasi (PG)-Gaya(PG)	-344	-749	888	619	3.78	0	3.78
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	8.9	0	8.9
Sub-Total EAST REGION		-416	-800	1,021	619	74.28	0.59	73.69
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	12.06	0	12.06
Sub-Total NORTH_EAST REGION		0	0	0	0	12.06	0	12.06
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)	38	1	-	124	0	0.7	-0.7
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	164	156	175	-	3.7	0	3.7
6	220KV-Ranpur (RS)-Bhanpura(MP)	85	75	85	-	1.79	0	1.79
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-496	-532	728	452	5.66	0	5.66
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	7.96	-7.96
10	400KV-RAPS C (NP)-Sujalpur	-437	-426	586	608	2.43	0	2.43
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-662	-681	0	-1,008	0	13.82	-13.82
13	765KV-0rai-Jabalpur	2,471	2,137	2,728	0	35.2	0	35.2
14	765KV-0rai-Satna	1,007	975	1,080	0	16.8	0	16.8
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	32.09	0	32.09
16	765KV-Chittorgarh-Banaskata D/C	1,012	1,002	22	1,956	0	21.1	-21.1
17	765KV-Phagi (RJ)-Gwalior(PG)	1,691	1,761	2,022	-715	22.29	0	22.29
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-3,279	-2,339	3,400	0	54.37	0	54.37
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	749	748	802	0	17.34	0	17.34
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	-	-	-	-	1.23	0	1.23
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	3,500	2,000	4,000	0	71.58	0	71.58
Sub-Total WEST REGION		5,843	4,877	15,628	1,417	264.48	43.58	220.9
TOTAL IR EXCHANGE		5,427	4,077	16,649	2,036	350.82	44.17	306.65

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	89.13	13.57	0	0.07	0	82.68	73.69	-8.99
NR-NORTH_EAST REGION	0	0	0	0	0	0	12.06	12.06
NR-WR	179.66	68.09	0	13.01	0	217.77	220.9	3.13
Total	268.79	81.66	0	13.08	0	300.45	306.65	6.2

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)	-34	-63	66.384	0	1.33	0	1.33	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	0	2.84	49.36	81.78	12.5	2.88	0	15.38

<-----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.	
50.17	09:49:00	49.81	15:40:10	50	0.025	0.05	50.13	49.88	18.22

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	415	17:00	404	19:40	0	0	0	0	0
Amritsar(PG) - 400KV	412	02:05	399	14:55	0	0	0	0	0
Ballabgarh(PG) - 400KV	418	07:55	398	22:30	0	0	0	0	0

Bareilly II(PG) - 400KV	415	07:55	394	19:20	0	0	0	0	0
Bareilly(UP) - 400KV	416	16:45	394	19:15	0	0	0	0	0
Baspa(HP) - 400KV	409	17:00	405	00:00	0	0	0	0	0
Bassi(PG) - 400KV	418	17:00	395	23:10	0	0	0	0	0
Bawana(DTL) - 400KV	418	08:00	404	19:25	0	0	0	0	0
Dadri HVDC(PG). - 400KV	413	08:00	398	19:25	0	0	0	0	0
Gorakhpur(PG) - 400KV	416	16:45	386	19:15	0	2.08	0	0	0
Hisar(PG) - 400KV	416	02:25	400	14:50	0	0	0	0	0
Kanpur(PG) - 400KV	418	08:10	393	19:25	0	0	0	0	0
Kashipur(UT) - 400KV	417	07:55	407	19:20	0	0	0	0	0
Kishenpur(PG) - 400KV	416	03:25	404	14:50	0	0	0	0	0
Moga(PG) - 400KV	413	02:25	402	14:55	0	0	0	0	0
Nallagarh(PG) - 400KV	409	17:00	405	00:00	0	0	0	0	0
Rihand HVDC(PG) - 400KV	400	13:30	391	19:15	0	0	0	0	0
Rihand(NT) - 400KV	403	16:20	395	19:15	0	0	0	0	0

6.1 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index
					< 728	< 742	> 800	> 820	
Anta RS(RJ) - 765KV	787	07:55	762	19:15	0	0	0	0	0
Balia(PG) - 765KV	789	16:45	740	19:20	0	1.39	0	0	0
Bareilly II(PG) - 765KV	793	16:45	750	19:20	0	0	0	0	0
Bhiwani(PG) - 765KV	798	17:05	764	19:40	0	0	0	0	0
Fatehpur(PG) - 765KV	786	07:45	732	19:20	0	2.78	0	0	0
Jhatikara(PG) - 765KV	793	08:00	758	19:25	0	0	0	0	0
Lucknow II(PG) - 765KV	793	16:45	744	19:20	0	0	0	0	0
Meerut(PG) - 765KV	800	16:40	756	19:20	0	0	0	0	0
Moga(PG) - 765KV	799	16:20	768	14:50	0	0	0	0	0
Phagi(RJ) - 765KV	800	17:00	759	19:25	0	0	.35	0	.35
Unnao(UP) - 765KV	783	08:10	742	19:30	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	980.37	1.93	0	0	0	0	0	980.37	11.58	-150	289.5	0	-100	0
HARYANA	2,207.72	106.92	18.24	241.25	0	0	0	2,100.75	0	20.75	-500	0	-500	0
RAJASTHAN	868.5	-29.44	36.21	104.99	0	0	0	929.35	-30.9	41.1	301.85	0	0	0
DELHI	548.4	0.77	260.52	120.38	0	0	0	774.12	0	197.48	-2.55	0	0	0
UTTAR PRADESH	224.87	16.4	433.78	503	0	0	0	1,780.2	4.82	1,237.75	761	0	0	0
UTTARAKHA ..	-245	-12.2	-74.21	-75	0	0	0	-245	-13	44.39	-117.28	0	0	0
HIMACHAL PRADESH	-67.28	-44.8	-27.48	-108.81	0	0	0	-68.39	-44.7	-20.49	-183.47	0	0	0
J&K(UT) & LADAKH(UT)	-300	0	-14.4	96.5	0	0	0	-313	-48.3	-14.4	144.75	0	0	0
CHANDIGARH	39.74	0	-150	0	0	0	0	62.84	0	-135	-12	0	0	0
RAILWAYS_NRISTS	31.64	0	59.83	0	0	0	0	31.64	0	59.83	0	0	0	0
TOTAL	4,288.96	39.58	542.49	882.31	0	0	0	6,032.88	-120.5	1,281.41	681.8	0	-600	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	123.89	26.39	0.09	1.92	22.84	175.13
HARYANA	135.19	55.12	1.31	-2.27	-6.96	182.39
RAJASTHAN	94.52	18.78	-0.59	0.74	2.99	116.44
DELHI	94.32	15.86	0.32	6.39	4.91	121.8
UTTAR PRADESH	178.06	10.57	1.11	11.1	6.73	208.48
UTTARAKHAND	26.91	-5.59	0.06	-1.69	-2.61	17.08
HIMACHAL PRADESH	9.93	-4.58	-0.48	-2.12	-4.57	-1.82
J&K(UT) & LADAKH(UT)	40.26	-3.06	-0.47	-0.17	-2.77	33.79
CHANDIGARH	6.96	0.83	0	-2.46	-0.09	5.24
RAILWAYS_NR ISTS	1.98	0.76	0	1.01	0.04	3.79
TOTAL	712.02	115.08	1.35	12.45	20.51	862.32

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	5,488.08	4,783.98	1,412.12	980.37	13.51	0	0	0
HARYANA	6,376.13	4,801.69	2,553.02	2,100.72	118.5	0	0	0
RAJASTHAN	4,982.33	2,628.2	956.7	547.77	-12.84	-41.61	0	0
DELHI	4,490.12	3,550.51	908.53	366.97	182.93	0	0	0
UTTAR PRADESH	9,457.46	5,816.74	1,780.63	-64.63	126.5	-0.96	9.17	0
UTTARAKHAND	1,341.71	939.1	-214.21	-245	21.86	-13.1	0	0
HIMACHAL PRADESH	1,097.15	-84.71	-43.96	-493.96	25.52	-44.8	0	0
J&K(UT) & Ladakh(UT)	1,821.1	1,557.78	0	-313	0	-48.3	0	0
CHANDIGARH	365.94	214.99	62.84	0	0	0	0	0
RAILWAYS_NR ISTS	98.83	77.47	31.64	31.64	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	723.75	-150	0	-100	2,605.5	-300	0	0
HARYANA	28.08	-791.39	0	-500	241.25	-1,400	0	0
RAJASTHAN	47.98	-24.62	0	0	941.55	-1,195.91	0	0
DELHI	910.8	-99	0	0	628.34	-117.49	0	0
UTTAR PRADESH	1,298.45	-520.27	0	0	1,314.17	-1,292.48	0	0
UTTARAKHAND	47	-437.5	0	0	166.08	-561.69	0	0
HIMACHAL PRADESH	-12.28	-247.28	0	0	-39.02	-551.16	0	0
J&K(UT) & LADAKH(UT)	0	-14.4	0	0	434.25	-450	0	0
CHANDIGARH	0	-165	0	0	43.42	-60	0	0
RAILWAYS_NR ISTS	59.83	0	0	0	59.83	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	511.21	1,605	502.35	1,193	1,070.49	1,033.99
Chamera-I	748.75	760	753.95	759.5	10	-	-	251.82	223.64
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	611.15	5	611.05	5	406.78	440.43
Pong	384.05	426.72	1,084	424.31	1,098	415.95	718	600.23	480.73
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	524.67	361	498.76	91	192.94	194.04
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	828.45	1,131	827.15	1,104	339.42	404
TOTAL	-	-	-	-	4,210	-	3,111	2,861.68	2,776.83

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	5
DELHI	7	23
HARYANA	6	13
HIMACHAL PRADESH	1	8
J&K(UT) & Ladakh(UT)	5	13
PUNJAB	7	14
RAJASTHAN	10	25
UTTAR PRADESH	1	7
UTTARAKHAND	7	27

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

	Inst Capacity	20:00	03:00	Day Peak			
Station/Constituents	(MW)	Peak MW	Off Peak MW	MW	HRS	Net MU	AVG MW
NCR_GENERATION	9225	4,056	3,498	4613	19:15:00	84.85	3,536
NCR_DRAWAL	-	12,483	13,394	14984	00:15:00	305.41	12,725
NCR_DEMAND	-	16,538	16,892	18692	00:00:00	390.26	16,261
LADAKH_DEMAND	-	11	-9	12	19:30:00	-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	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.Constraints and instances of congestion in the transmission system

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