



GRID CONTROLLER OF INDIA (GRID-INDIA)

NORTHERN REGIONAL LOAD DESPATCH CENTRE

DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 02-Oct-2025

Date of Reporting:03-Oct-2025

1. Regional Availability/Demand:

Evening Peak (19:00) 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
61,780	0	61,780	50.02	60,416	0	60,416	50.01	1,460	0.01

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	73.78	25.03	0	3.63	0	1.72	104.16	142.26	140.69	-1.57	244.85	0	244.85
HARYANA	43.27	0.8	0	1	0	1.11	46.18	167.49	167.18	-0.31	213.37	0.01	213.36
RAJASTHAN	134.44	2.98	1.91	37.34	3.07	5.44	185.17	110.68	108.09	-2.59	293.26	0	293.26
DELHI	0	0	4.04	0	0	1.52	5.56	102.21	102.2	-0.01	107.76	0	107.76
UTTAR PRADESH	259.3	25.1	0	10.9	0	0.6	295.9	185.89	172.28	-13.61	468.18	0	468.18
UTTARAKHAND	0	21.9	0	0.47	0	0	22.37	17.26	17.24	-0.02	39.61	0	39.61
HIMACHAL PRADESH	0	28.06	0	0.13	0	0	28.19	2.65	1.6	-1.05	29.79	0	29.79
J&K(UT) & Ladakh(UT)	0	18.23	0	0	0	0	18.23	32.07	34.65	2.58	52.88	0	52.88
CHANDIGARH	0	0	0	0	0	0	0	5.37	5.53	0.16	5.53	0	5.53
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.93	4.59	0.66	4.59	0	4.59
Region	510.79	122.1	5.95	53.47	3.07	10.39	705.76	769.81	754.05	-15.76	1,459.82	0.01	1,459.81

2(B)State Demand Met (Peak and off-peak Hrs)

State	Evening Peak (19:00) 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	10,000	0	414	2,125	10,157	9,284	0	-237	2,221
HARYANA	8,387	0	-529	1,272	8,930	9,860	0	245	2,327
RAJASTHAN	12,050	0	-422	929	12,210	11,349	0	193	874
DELHI	4,219	0	-23	410	4,507	4,714	0	153	1,662
UTTAR PRADESH	21,027	0	-69	1,647	19,386	20,081	0	-1,832	734
UTTARAKHAND	1,772	0	-342	-219	1,653	1,822	0	66	207
HIMACHAL PRADESH	1,250	0	-4	-795	1,237	1,250	0	-60	-554
J&K(UT) & Ladakh(UT)	2,622	0	515	-389	2,203	1,647	0	63	-990
CHANDIGARH	265	0	-2	-108	230	220	0	11	-25
RAILWAYS_NR ISTS	187	0	18	73	191	190	0	21	73
Region	61,779	0	-444	4,945	60,704	60,417	0	-1,377	6,529

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	11,293	6:00	0	11,293	11,293	6:00	0	11,293	8,502	23:00	654.29	08:03:00	-706.64	18:57:00
HARYANA	9,860	3:00	0	9,860	9,860	3:00	0	9,860	8,319	16:00	439.43	19:01:00	-328.39	11:20:00
RAJASTHAN	13,223	11:00	0	13,223	13,223	11:00	0	13,223	11,131	4:00	1,267.24	14:07:00	-687.06	09:16:00
DELHI	5,476	0:00	0	5,476	5,476	0:00	0	5,476	3,958	9:00	390.51	18:35:00	-269.31	21:29:00
UP	23,716	0:00	0	23,716	23,716	0:00	0	23,716	15,979	16:00	1,933.79	03:54:00	-1,348.85	00:01:00
UTTARAKHA ..	1,974	0:00	0	1,974	1,974	0:00	0	1,974	1,242	12:00	404.97	13:07:00	-211.21	05:09:00
HP	1,423	8:00	0	1,423	1,423	8:00	0	1,423	1,055	23:00	255.16	07:01:00	-180.85	05:31:00
J&K(UT)&Lad ..	2,655	20:00	0	2,655	2,655	20:00	0	2,655	1,618	4:00	446.77	17:59:00	-388.63	10:49:00
CHANDIGARH	268	20:00	0	268	268	20:00	0	268	197	9:00	19.1	14:20:00	-26.9	11:14:00
RAILWAYS_NR ISTS	215	23:00	0	215	215	23:00	0	215	164	14:00	0	-	0	-
NR	66,903	0:00	12	66,915	66,915	0:00	12	66,903	56,079	16:00	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	19:00	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	38	38	38.76	18:00	36	12:00	0.91	0.46	19
PRAGATI GAS TURBINES( 1 * 121.2 + 2 * 104.6 )	331	151	151	150.94	03:00	144	13:00	3.67	3.58	149
RITHALA GPS( 3 * 36 )	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	189	189					4.58	4.04	168
WIND	0	0	0	0		0				
BIOMASS( 52 )	52	60	64	64.97	04:00	59	17:00	1.72	1.52	63
SOLAR( 2 )	2	0	0	0		0				
Total DELHI	2,145	249	253					6.3	5.56	231

HARYANA										
Station/Constituents	Inst. Capacity	19:00	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	344	351	354	05:00	341	10:00	8.88	8.02	334
JHAJJAR(CLP)( 2 * 660 )	1,320	373	387	388	01:00	369	10:00	10.92	10.01	417
MAGNUM DIESEL (IPP)( 4 * 6.3 )	25	0	0	0		0				
PANIPAT TPS( 1 * 210 + 2 * 250 )	710	368	358	368	19:00	353	09:00	9.42	8.48	353
RGTPP( KHEDAR)( 2 * 600 )	1,200	715	738	739	05:00	699	13:00	17.3	16.76	698
Total THERMAL	3,855	1,800	1,834					46.52	43.27	1,802
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	32	32	33	11:00	28	13:00	0.8	0.8	33
Total HYDEL	65	32	32					0.8	0.8	33
WIND	0	0	0	0		0				
BIOMASS( 106 )	106	0	0	0		0		1.11	1.11	46
SOLAR(196)	196	0	0	0		0		1	1	42
Total HARYANA	4,654	1,832	1,866					49.43	46.18	1,923

HIMACHAL PRADESH										
Station/Constituents	Inst. Capacity	19:00	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	86	36	101	21:00	36	06:00	1.48	1.48	62
BASPA (IPP) HPS( 3 * 100 )	300	206	210	262	22:00	154	08:00	4.71	4.71	196
MALANA (IPP) HPS( 2 * 43 )	86	57	38	58	20:00	26	11:00	0.98	0.98	41
MALANA2( 2 * 50 )	100	0	0	0		0				
SAWARA KUDDU( 3 * 37 )	111	111	0	111	07:00	37	12:00	1.25	1.25	52
OTHER HYDRO HP( 503.75 )	504	294	262	0		0		6.29	6.28	262
Total HYDEL	1,281	754	546					14.71	14.7	613
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	582	599	0		0		13.38	13.37	557
Total SMALL HYDRO	765	582	599					13.38	13.37	557
Total HP	2,065	1,336	1,145					28.22	28.2	1,175

J&K(UT) & LADAKH(UT)										
Station/Constituents	Inst. Capacity	19:00	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	573	701	702	02:00	0		15.03	15.03	626
OTHER HYDRO/IPP J&K( 308 )	308	140	126	152	07:00	0		3.2	3.2	133
Total HYDEL	1,208	713	827					18.23	18.23	759
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	713	827					18.23	18.23	759

PUNJAB										
Station/Constituents	Inst. Capacity	19:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GOINDWAL(GVK)( 2 * 270 )	540	290	290	305	05:00	290	01:00	7.83	7	292
GURU GOBIND SINGH TPS (ROPAR)( 4 * 210 )	840	576	572	597	08:00	565	09:00	15.39	13.79	575
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)( 2 * 210 + 2 * 250 )	920	460	460	543	05:00	460	01:00	12.11	11.08	462
RAJPURA(NPL) TPS( 2 * 700 )	1,400	810	660	1,320	07:00	660	01:00	19.26	18.03	751
TALWANDI SABO TPS( 3 * 660 )	1,980	924	924	1,673	07:00	924	01:00	25.7	23.89	995
Total THERMAL	5,680	3,060	2,906					80.29	73.79	3,075
ANANADPUR SAHIB HYDRO PLANT( 2 * 33.5 + 2 * 33.5 )	134	107	108	108	01:00	107	18:00	2.66	2.66	111
MUKERIAN HYDRO PLANT( 6 * 15 + 6 * 19.5 + 2 * 9 )	225	186	184	186	12:00	181	05:00	4.38	4.38	183
RANJIT SAGAR POWER PLANT ( 4 * 150 )	600	612	612	612	01:00	602	04:00	14.58	14.53	605
SHANAN( 4 * 15 + 1 * 50 )	110	66	66	66	01:00	62	21:00	1.6	1.6	67
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	971	970					25.09	25.04	1,044
WIND	0	0	0	0		0				
BIOMASS( 303 )	303	0	0	0		0		1.72	1.72	72
SOLAR( 881 )	881	53	37	417	13:00	37	01:00	3.63	3.63	151
Total PUNJAB	8,025	4,084	3,913					110.73	104.18	4,342

RAJASTHAN										
Station/Constituents	Inst. Capacity	19:00	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	210	220	220	01:00	210	11:00	5.68	4.93	205
CHHABRA TPS( 2 * 660 + 4 * 250 )	2,320	1,222	1,528	1,778	01:00	869	12:00	29.82	27.07	1,128
GIRAL (IPP) LTPS( 2 * 125 )	250	0	0	0		0				
KALISINDH TPS( 2 * 600 )	1,200	988	1,034	1,038	01:00	630	12:00	22.66	20.97	874
KAWAI TPS( 2 * 660 )	1,320	600	593	615	23:00	360	14:00	12.88	12.26	511
KOTA TPS( 2 * 110 + 2 * 195 + 3 * 210 )	1,240	993	753	1,040	07:00	621	10:00	21.87	19.8	825
RAJWEST (IPP) LTPS( 8 * 135 )	1,080	787	790	793	02:00	624	10:00	19.67	17.1	713
SURATGARH TPS ( 6 * 250 + 2 * 660(SSCTPS))	2,820	1,594	1,178	1,605	07:00	1,159	11:00	34.86	32.31	1,346
VSLPP (IPP)( 1 * 135 )	135	0	0	0		0				
Total THERMAL	10,615	6,394	6,096					147.44	134.44	5,602
DHOLPUR GPS( 3 * 110 )	330	0	0	0		0				
RAMGARH GPS( 1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5 )	271	78	65	78	23:00	65	08:00	1.97	1.91	80
Total GAS/NAPTHA/DIESEL	601	78	65					1.97	1.91	80
RAPS-A( 1 * 100 + 1 * 200 )	300	177	178	178	04:00	176	17:00	4.67	4.35	181
Total NUCLEAR	300	177	178					4.67	4.35	181
TOTAL HYDRO RAJASTHAN( 550 )	550	119	137	140	08:00	118	10:00	2.98	2.98	124
Total HYDEL	550	119	137					2.98	2.98	124
WIND( 1 * 4328 )	4,328	76	251	292	01:00	9	10:00	3.07	3.07	128
BIOMASS( 102 )	102	46	46	46	01:00	46	06:00	1.1	1.1	46
SOLAR(6560)	6,560	0	0	5,307	12:00	0		37.34	37.34	1,556
Total RAJASTHAN	23,056	6,890	6,773					198.57	185.19	7,717

UTTAR PRADESH										
Station/Constituents	Inst. Capacity	19:00	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	1,178	1,339	1,342	22:00	0		29.5	27.4	1,142
ANPARA-C TPS( 2 * 600 )	1,200	685	1,092	1,110	01:00	0		22.3	20.6	858
ANPARA-D TPS( 2 * 500 )	1,000	821	911	938	21:00	0		21.5	20.1	838
BAJAJ ENERGY PVT LTD (IPP) TPS( 10 * 45 )	450	203	366	366	03:00	0		5.8	5.3	221
BARA PPGCL TPS( 3 * 660 )	1,980	702	1,098	1,104	23:00	0		22.3	20.6	858
GHATAMPUR TPS (2*660)	1,320	515	563	563	03:00	0		11	9.9	413
HARDUAGANJ TPS( 1 * 110 + 2 * 250 + 1*660)	1,270	611	617	800	01:00	0		17.4	15.7	654
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	644	810	815	02:00	0		18.6	16.8	700
JP CHURK( 3 * 60 )	180	0	0	0		0				
KHURJA TPS(2 * 660)	1,320	592	594	602	21:00	356	14:59	13.6	12.3	513
LALITPUR TPS( 3 * 660 )	1,980	1,013	1,856	1,856	03:00	0		31.8	29.9	1,246
MEJA TPS( 2 * 660 )	1,320	1,172	1,173	1,199	05:00	0		22.8	21.4	892
OBRA TPS ( 5 * 200+2*660 )	2,320	843	971	1,074	23:59	0		23.4	21.1	879
PANKI_I TPS(1 * 660)	660	335	486	531	04:00	0		10	9	375
PARICHA TPS( 2 * 210 + 2 * 250 )	920	484	701	713	02:00	0		13.8	12.5	521
ROSA TPS( 4 * 300 )	1,200	606	1,082	1,082	03:00	0		18.3	16.7	696
Total THERMAL	20,730	10,404	13,659					282.1	259.3	10,806
ALAKHANANDA HEP( 4 * 82.5 )	330	298	299	300	04:00	0		7.2	7.2	300
RIHAND HPS( 6 * 50 )	300	280	280	280	01:00	0		6.4	6.4	267
VISHNUPARYAG HPS( 4 * 110 )	440	346	316	416	21:00	0		7.5	7.5	313
OTHER HYDRO UP( 227 )	227	166	177	182	01:00	0		4	4	167
Total HYDEL	1,297	1,090	1,072					25.1	25.1	1,047
WIND	0	0	0	0		0				
BIOMASS( 26 )	26	0	0	0		0				
SOLAR( 2729)	2,729	0	0	1,451	12:00	0		10.9	10.9	454
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	26,142	11,519	14,756					318.7	295.9	12,332

UTTARAKHAND										
Station/Constituents	Inst. Capacity	19:00	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	1,021	942	1,021	19:00	770	17:00	21.97	21.9	913
Total HYDEL	1,250	1,021	942					21.97	21.9	913
WIND	0	0	0	0		0				
BIOMASS( 127 )	127	0	0	0		0				
SOLAR( 278)	278	0	0	80	11:00	4	07:00	0.47	0.47	20
SMALL HYDRO( 180 )	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,021	942					22.44	22.37	933

(B) Regional Entities Generation														
Station/Constituents	Inst. Capacity	Declared Capacity	19:00	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	1,066	884	1,066	00:15	813	09:30	18.3	20.78	19.16	0.39	798	0.47
Sub-Total	1,500	1,406	1,066	884	-	-	-	-	18.3	20.78	19.16	0.39	798	0.47
BBMB														
BHAKRA HPS( 5 * 126 + 5 * 157 )	1,415	1,370	1,394	1,080	1,404	07:00	1,080	10:00	26.58	27.14	26.85	0	1,119	0.27
DEHAR HPS( 6 * 165 )	990	455	470	495	495	07:00	280	10:00	10.99	11.13	10.84	0	452	-0.15
PONG HPS( 6 * 66 )	396	352	360	360	360	07:00	360	10:00	8.45	8.68	8.47	0	353	0.02
Sub-Total	2,801	2,177	2,224	1,935	-	-	-	-	46.02	46.95	46.16	0	1,924	0.14
NHPC														
BAIRASIUL HPS( 3 * 60 )	180	186	185	63	185	19:00	54.8	09:45	1.94	2.01	1.99	0	83	0.05
CHAMERA I HPS( 3 * 180 )	540	540	419	358	529	07:00	0	-	5.35	5.26	5.2	0	217	-0.15
CHAMERA II HPS( 3 * 100 )	300	312	303	100	303	19:00	99.8	14:00	3.7	3.69	3.66	0	153	-0.04
CHAMERA III HPS( 3 * 77 )	231	240	229	0	230	07:00	0	01:00	1.31	1.33	1.31	0.45	55	-0.45
DHAULIGANGA HPS( 4 * 70 )	280	292	280	142	282	19:00	64.1	09:00	3.41	3.44	3.43	0	143	0.02
DULHASTI HPS( 3 * 130 )	390	333	339	343	353	01:00	316.9	09:00	7.99	8.19	8.07	0	336	0.08
KISHANGANGA( 3 * 110 )	330	326	329	0	331	08:00	219.3	17:00	2.3	2.45	2.43	0	101	0.13
PARBATI III HEP( 4 * 130 )	520	380	380	276	383	20:00	0	-	3.88	4.07	4.03	0	168	0.15
PARBATI-II( 4 * 200 )	800	792	769	508	779	20:00	173.4	10:00	8.34	8.96	8.59	0	358	0.25
SALAL HPS( 6 * 115 )	690	570	577	577	691	08:00	343	11:00	12.66	12.89	12.73	0	530	0.07
SEWA-II HPS( 3 * 40 )	120	119	115	41	115	19:00	0	-	0.81	0.8	0.78	0	33	-0.03
TANAKPUR HPS( 1 * 31.42 + 2 * 31.4 )	94	102	105	105	106	12:00	104.51	06:00	2.26	2.52	2.49	0	104	0.23
URI HPS( 4 * 120 )	480	180	223	187	480	06:45	122	12:30	5.13	5.43	5.38	0	224	0.25
URI-II HPS( 4 * 60 )	240	240	163	117	221	09:00	76.04	18:00	2.8	2.95	2.92	0	122	0.12
Sub-Total	5,195	4,612	4,416	2,817	-	-	-	-	61.88	63.99	63.01	0.45	2,627	0.68
NPCL														
NAPS( 2 * 220 )	440	189	210	216	217	02:00	0	-	4.54	5.1	4.48	0	187	-0.06
RAPP-D	700	295	0	0	0	-	0	-	7.06	8.19	6.88	0	287	-0.18
RAPS-B( 2 * 220 )	440	342	391	396	398	07:00	0	-	8.21	9.47	8.38	0	349	0.17
RAPS-C( 2 * 220 )	440	408	449	452	452	01:00	0	-	9.79	10.85	9.8	0	408	0.01
Sub-Total	2,020	1,234	1,050	1,064	-	-	-	-	29.6	33.61	29.54	0	1,231	-0.06
NTPC														
ANTA GPS( 1 * 153.2 + 3 * 88.71 )	419	249	0	0	0	-	0	-	0	0	0.03	0	1	0.03
AURAIYA GPS( 2 * 109.3 + 4 * 111.19 )	663	635	0	0	0	-	0	-	0	0	0.03	0	1	0.03
DADRI GPS( 2 * 154.51 + 4 * 130.19 )	830	775	0	0	0	-	0	-	0	0	0.03	0	1	0.03
DADRI-I TPS( 4 * 210 )	840	769	207	486	504	00:00	0	-	7.37	9.37	8.33	0	347	0.96
DADRI-II TPS( 2 * 490 )	980	459	253	250	463	01:00	0	-	6.44	7.04	6.16	0	257	-0.28
KOLDAM HPS( 4 * 200 )	800	792	781	794	798	21:00	0	-	11.43	11.36	11.29	0	470	-0.14
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.01	1.73	1.73	0	72	-2.28
RIHAND-I STPS( 2 * 500 )	1,000	450	496	496	509	21:00	275	12:00	8.96	9.78	8.69	-0.11	362	-0.16
RIHAND-II STPS( 2 * 500 )	1,000	943	1,010	994	1,011	01:00	550	10:00	18.67	19.67	18.35	-0.13	765	-0.19
RIHAND-III STPS( 2 * 500 )	1,000	943	992	1,001	1,015	22:00	923	12:00	18.61	19.54	18.41	-0.14	767	-0.06
SINGRAULI HYDRO( 1 * 8 )	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS( 2 * 500 + 5 * 200 )	2,000	1,670	1,801	1,803	1,811	20:00	1,023	10:00	32.88	35.68	32.56	0	1,357	-0.32
TANDA TPS( 4 * 110 )	440	-	0	0	0	-	0	-	-	-	-	-	-	-
TANDA TPS STAGE-II( 2 * 660 )	1,320	0	0	0	0	-	0	-	0	0	0.31	0	13	0.31
UNCHAHAH II TPS( 2 * 210 )	420	375	257	249	271	17:00	237	09:00	4.65	5.97	5.21	0.25	217	0.31
UNCHAHAH III TPS( 1 * 210 )	210	189	120	128	136	20:30	116	22:00	2.4	2.98	2.64	0.22	110	0.02
UNCHAHAH IV TPS( 1 * 500 )	500	466	291	299	350	17:30	272	09:00	5.99	7.11	6.51	0.46	271	0.06
UNCHAHAH TPS( 2 * 210 )	420	189	126	120	128	21:00	116	09:30	2.39	2.93	2.5	0	104	0.11
Sub-Total	13,095	8,904	6,334	6,620	-	-	-	-	123.8	133.16	122.78	0.55	5,115	-1.57
SJVNL														
NATHPA-JHAKRI HPS( 6 * 250 )	1,500	1,482	1,227	1,068	1,282	17:00	736	11:00	26.34	26.67	26.46	0	1,103	0.12
RAMPUR HEP( 6 * 68.67 )	412	375	362	314	369	16:00	220	11:00	7.26	7.79	7.73	0	322	0.47
Sub-Total	1,912	1,857	1,589	1,382	-	-	-	-	33.6	34.46	34.19	0	1,425	0.59
THDC														
KOTESHWAR HPS( 4 * 100 )	400	360	370	88	378	07:00	85	14:00	3.15	3.25	3.24	0.01	135	0.08
TEHRI HPS( 4 * 250 )	1,000	1,072	1,063	499	1,085	20:00	0	09:00	10.07	10.27	10.21	0	425	0.14
TEHRI PSP( 4 * 250 )	1,000	500	500	0	500	19:00	0	-	1.14	4.18	1.02	0	43	-0.12

Sub-Total	2,400	1,932	1,933	587	-	-	-	-	14.36	17.7	14.47	0.01	603	0.1
Total	28,923	22,122	18,612	15,289					327.56	350.65	329.31	1.4	13,723	0.35

IPP/JV													
Station/Constituents	Inst. Capacity	Declared Capacity	19:00	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	191	82	191	19:00	0	-	1.84	1.87	1.85	77	0.01
BUDHIL HPS (IPP)( 2 * 35 )	70	35	71	35	71	21:00	0	-	0.79	0.82	0.81	34	0.02
KARCHAM WANGTOO HPS( 4 * 261.25 )	1,045	988	1,045	550	1,045	19:00	560	11:00	14.65	14.87	14.77	615	0.12
SAINJ HEP( 2 * 50 )	100	0	0	0	0	-	0	-	0	-	-	-	-
SHREE CEMENT (IPP) TPS( 2 * 150 )	300	338	88	89	90	20:00	0	-	2.08	2.21	2.03	85	-0.05
SINGOLI BHATWARI HEP( 3 * 33 )	99	107	107	96	107	18:30	0	-	2.28	2.34	2.3	96	0.02
SORANG HYDROELECTRIC PROJECT( 2 * 50 )	100	50	62	46	63	18:00	0	-	1.11	1.2	1.19	50	0.08
Sub-Total	1,906	1,707	1,564	898	-	-	-	-	22.75	23.31	22.95	957	0.2
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	500	0	0	0	0	-	0	-	1.09	1.34	1.34	56	0.25
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	0.57	0.68	0.68	28	0.11
ACME CHITTORGARH SOLAR ENERGY PVT LTD( 1 * 250 )	250	0	0	0	171	09:37	0	-	0.37	0.45	0.45	19	0.08
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	173	08:56	0	-	0.65	0.61	0.6	25	-0.05
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	0.64	0.63	0.63	26	-0.01
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	0.62	0.6	0.6	25	-0.02
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	175	16:20	0	-	0.63	0.6	0.59	25	-0.04
ACME SIKAR SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.31	1.3	1.3	54	-0.01
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	153	16:32	0	-	0.61	0.59	0.58	24	-0.03
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.58	0.63	0.63	26	0.05
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.55	0.61	0.61	25	0.06
ADANI GREEN ENERGY TWENTY FOUR LIMITED	500	0	0	0	249	08:54	0	-	0.6	0.66	0.64	27	0.04
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)( 1 * 200 )	200	0	0	0	182	11:03	0	-	1.23	1.15	1.15	48	-0.08
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	144	13:00	0	-	1.05	0.96	0.96	40	-0.09
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	137	12:15	0	-	0.78	0.96	0.96	40	0.18
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.27	0.27	0.27	11	0
ADANI SOLAR ENERGY RJ TWO PVT LTD. BHADLA(1*150)	150	0	0	0	150	11:05	0	-	0.87	0.74	0.74	31	-0.13
ADANI SOLAR ENERGY RJ TWO PVT LTD. FATEGARH 2(1*180)	180	0	0	0	170	12:44	0	-	1.14	1.04	1.03	43	-0.11
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	86	09:44	0	-	0.62	0.46	0.46	19	-0.16
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	0.58	0.58	0.58	24	0
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	0.86	0.84	0.84	35	-0.02
AMP ENERGY GREEN FOUR PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.54	0.57	0.57	24	0.03
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	79	09:53	0	-	0.51	0.47	0.47	20	-0.04
AURAIYA SOLAR( 1 * 40 )	40	0	0	0	0	-	0	-	0.1	0.1	0.1	4	0
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	233	16:00	0	-	1.51	1.33	1.33	55	-0.18
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER( 1 * 350 )	350	0	0	0	187	09:00	0	-	0.6	0.6	0.6	25	0
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	162	08:38	0	-	0.51	0.59	0.58	24	0.07
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	158	09:00	0	-	0.54	0.52	0.52	22	-0.02
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	147	09:00	0	-	0.52	0.53	0.53	22	0.01
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	150	08:55	0	-	0.48	0.46	0.46	19	-0.02
AZURE POWER FORTY THREE PRIVATE LIMITED( 1 * 150 + 1 * 150 + 1 * 300 )	600	0	0	0	260	09:00	0	-	1.07	0.96	0.96	40	-0.11
AZURE POWER INDIA PVT LTD.( 4 * 50 )	200	0	0	0	183	12:35	0	-	1.13	0.99	0.99	41	-0.14
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	252	13:47	0	-	1.78	1.78	1.78	74	0
AZURE POWER THIRTY FOUR PRIVATE LTD( 1 * 130 )	130	0	0	0	130	13:46	0	-	0.84	0.83	0.83	35	-0.01
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.92	1.35	1.35	56	0.43
CLEAN SOLAR POWER (BHADLA) PVT LTD( 1 * 300 )	300	0	0	0	232	14:08	0	-	0.52	0.62	0.62	26	0.1
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	162	09:42	0	-	0.44	0.49	0.49	20	0.05

DADRI SOLAR( 5 )	5	0	0	0	3	-	0	-	0.02	0.01	0.01	0	-0.01
DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.17	1.1	1.1	46	-0.07
EDEN RENEWABLE ALMA PRIVATE LIMITED	300	0	0	0	240	15:16	0	-	1.34	1.45	1.44	60	0.1
EDEN RENEWABLE CITE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	0	-	0	-	0.46	0.49	0.49	20	0.03
GORBEA SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.48	1.67	1.67	70	0.19
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	78	09:46	0	-	0.55	0.47	0.47	20	-0.08
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	66	15:00	0	-	0.45	0.43	0.43	18	-0.02
JUNA RENEWABLE ENERGY PRIVATE LIMITED	335	0	0	0	0	-	0	-	1.79	1.8	1.8	75	0.01
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	33	14:56	0	-	0.2	0.2	0.2	8	0
KARNISAR SOLAR PLANT NHPC LIMITED	214	0	0	0	157	09:51	0	-	0.87	0.96	0.95	40	0.08
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.37	1.3	1.3	54	-0.07
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	0.83	0.93	0.93	39	0.1
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED( 1 * 50 )	50	0	0	0	50	12:28	0	-	0.32	0.33	0.33	14	0.01
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED( 1 * 50 )	50	0	0	0	50	12:55	0	-	0.23	0.3	0.3	13	0.07
M/S AZURE POWER FORTY ONE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	148	09:45	0	-	0.52	0.68	0.68	28	0.16
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	77	09:41	0	-	0.56	0.46	0.46	19	-0.1
MEGA SOILS RENEWABLE PRIVATE LIMITED( 1 * 250 )	250	0	0	0	0	-	0	-	0.38	0.45	0.45	19	0.07
MEGA SURYAURJA PVT LTD( 1*250 )	250	0	0	0	0	-	0	-	0.37	0.43	0.43	18	0.06
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.5	0.54	0.54	23	0.04
NTPC NIDAN SOLAR(1*296)	296	0	0	0	0	-	0	-	0.47	0.45	0.45	19	-0.02
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	200	0	0	0	0	-	0	-	0.86	0.89	0.89	37	0.03
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	0.42	0.5	0.5	21	0.08
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)( 1 * 300 )	300	0	0	0	103	16:46	0	-	0.5	0.35	0.35	15	-0.15
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	131	08:46	0	-	0.5	0.45	0.45	19	-0.05
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	0	-	0	-	0.41	0.32	0.32	13	-0.09
RENEW SOLAR POWER PVT LTD( 50 )	50	0	0	0	169	09:47	0	-	0.35	0.45	0.45	19	0.1
RENEW SOLAR POWER PVT LTD. BIKANER( 1 * 250 )	250	0	0	0	0	-	0	-	0.47	0.29	0.29	12	-0.18
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	0	-	0	-	0.44	0.33	0.33	14	-0.11
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	0	-	0	-	0.43	0.44	0.44	18	0.01
RENEW SURYA JYOTI PRIVATE LIMITED	210	0	0	0	0	-	0	-	1.04	0.92	0.92	38	-0.12
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	0	-	0	-	1.21	1.33	1.33	55	0.12
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	0.57	0.52	0.52	22	-0.05
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.58	0.62	0.62	26	0.04
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	199	13:59	0	-	1.33	1.27	1.27	53	-0.06
SB ENERGY FOUR PVT LTD( 2 * 100 )	200	0	0	0	198	11:41	0	-	1.28	1.35	1.35	56	0.07
SB ENERGY SIX PRIVATE LIMITED( 1 * 300 )	300	0	0	0	173	08:50	0	-	0.44	0.59	0.59	25	0.15
SJVN GREEN ENERGY LIMITED	501	0	0	0	300	08:54	0	-	0.72	0.84	0.83	35	0.11
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	0.94	0.95	0.95	40	0.01
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	232	0	0	0	204	09:29	0	-	1.29	1.23	1.23	51	-0.06
SINGRAULI SOLAR( 15 )	15	0	0	0	0	-	0	-	0.05	0.04	0.04	2	-0.01
SOLZEN URJA PRIVATE LIMITED( 1 * 300 )	300	0	0	0	0	-	0	-	0.42	0.32	0.32	13	-0.1
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	19	09:39	0	-	0.15	0.1	0.1	4	-0.05
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	210	12:50	0	-	1.41	1.23	1.23	51	-0.18
TATA POWER RENEWABLE ENERGY LTD( 1 * 300 )	300	0	0	0	127	08:42	0	-	0.42	0.45	0.44	18	0.02
TATA POWER SAURYA LIMITED	110	0	0	0	74	09:50	0	-	0.49	0.44	0.44	18	-0.05
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	148	09:00	0	-	0.54	0.52	0.52	22	-0.02
TRANSITION ENERGY SERVICES PRIVATE LIMITED	60	0	0	0	0	-	0	-	0.34	0.36	0.36	15	0.02
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	83	09:43	0	-	0.56	0.47	0.47	20	-0.09
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	39	09:43	0	-	0.29	0.23	0.23	10	-0.06
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.31	0.22	0.22	9	-0.09
UNCHAHAHAR SOLAR( 10 )	10	0	0	0	5	14:00	0	-	0.01	0.03	0.03	1	0.02



XL XERGI POWER PRIVATE LIMITED	400	0	0	0	255	10:12	0		1.67	1.62	1.61	67	-0.06
Sub-Total	20,131	0	0	0	-	-	-	-	61.95	62.01	61.89	2,580	-0.06
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	510	15:39	0	-	1.71	1.85	1.84	77	0.13
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	1.77	1.36	1.36	57	-0.41
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	303	10:04	0	-	1.78	2	2	83	0.22
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	3	51	57	02:45	0	-	0.72	0.29	0.29	12	-0.43
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	189	-	0	-	0.52	0.63	0.63	26	0.11
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	6	31	40	01:30	0	-	0.5	0.22	0.22	9	-0.28
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	131	17:00	0	-	0.48	0.43	0.43	18	-0.05
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	3	29	31	02:00	0	-	0.5	0.16	0.16	7	-0.34
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	133	16:52	0	-	0.53	0.44	0.44	18	-0.09
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	14	26	50	18:30	0	-	0.62	0.31	0.31	13	-0.31
Sub-Total	2,846	0	26	137	-	-	-	-	9.13	7.69	7.68	320	-1.45
Total	24,883	1,707	1,590	1,035					93.83	93.01	92.52	3,857	-1.31

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	70,093	27,644	30,475	752.62	705.81	29,412
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		10,072	7,154	351.49	351.49	12,443
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-30	-64	1.09	1.09	30
Total Regional Availability(Gross)	123,899	57,888	53,889	1,548.86	1,480.22	59,465

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,419	8,324	195.56	190.04	7,921
State Control Area Hydro	7,855	5,282	5,125	122.26	122.12	5,090
Total Regional Hydro	22,577	17,701	13,449	317.82	312.16	13,011

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	23,222	26	137	71.43	71.3	2,972
State Control Area Renewable	15,709	235	398	62.19	61.99	2,583
Total Regional Renewable	38,931	261	535	133.62	133.29	5,555

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	22,356	0	0	69.09	68.96	2,874
State Control Area Solar	10,665	53	37	53.47	53.47	2,228
Total Solar	33,021	53	37	122.56	122.43	5,102

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	26	137	2.34	2.34	98
State Control Area Wind	4,328	76	251	3.07	3.07	128
Total Wind	5,194	102	388	5.41	5.41	226

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	19:00	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	0.56	-0.56
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	2.8	0	2.8
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	1.38	0	1.38
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	6.05	0	6.05
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	3.74	0	3.74
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	11.61	0	11.61
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-	-	-	-	11.26	0	11.26
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-	-	-	-	22.76	0	22.76

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	6.85	0	6.85
13	400KV-Varanasi (PG)-Sasaram(PG)	60	67	69	0	0.97	0	0.97
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	11.83	0	11.83
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	7.85	0	7.85
16	765KV-Varanasi (PG)-Gaya(PG)	510	435	856	0	12.57	0	12.57
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	-	-	-
Sub-Total EAST REGION		570	502	925	0	99.67	0.56	99.11
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	12.05	0	12.05
Sub-Total NORTH_EAST REGION		0	0	0	0	12.05	0	12.05
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)	11	-21	-	87	0	0.07	-0.07
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	79	81	89	73	1.96	0	1.96
6	220KV-Ranpur (RS)-Bhanpura(MP)	97	97	103	97	2.23	0	2.23
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-324	-317	-496	0	7.08	0	7.08
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	0.76	-0.76
10	400KV-RAPS C (NP)-Sujalpur	-	-	-	-	4.12	0	4.12
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-721	-642	0	-721	0	13.51	-13.51
13	765KV-0rai-Jabalpur	2,072	1,620	2,414	0	42.5	0	42.5
14	765KV-0rai-Satna	995	890	1,058	0	20.1	0	20.1
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	39.97	0	39.97
16	765KV-Chittorgarh-Banaskata D/C	370	7	-1,521	733	2.08	0	2.08
17	765KV-Phagi (RJ)-Gwalior(PG)	1,752	1,481	1,835	323	28.78	0	28.78
18	765KV-Varanasi (PG)-Vindhyachal(PG)	2,323	1,858	2,326	0	43.83	0	43.83
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	298	298	502	0	7.55	0	7.55
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	50	300	300	0	3.51	0	3.51
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	2,500	1,000	5,500	0	50.96	0	50.96
Sub-Total WEST REGION		9,502	6,652	12,110	592	254.67	14.34	240.33
TOTAL IR EXCHANGE		10,072	7,154	13,035	592	366.39	14.9	351.49

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	85.12	12	0	0	0	80.59	99.11	18.52
NR-NORTH_EAST REGION	0	0	0	0	0	0	12.05	12.05
NR-WR	143.75	35.37	0	69.58	0	232.33	240.33	8
Total	228.87	47.37	0	69.58	0	312.92	351.49	38.57

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)	-30	-64	69.624	40	1.1	0.01	1.09	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	.64	8.23	41.62	67.2	15.52	6.97	2.08	24.57

<-----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.	
50.3	09:42:50	49.72	00:05:30	50.01	0.061	0.077	50.22	49.82	32.8

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	423	22:00	412	00:10	0	0	9.72	0	9.72
Amritsar(PG) - 400KV	419	03:05	407	12:25	0	0	0	0	0
Ballabgarh(PG) - 400KV	419	08:00	406	12:15	0	0	0	0	0

Bareilly II(PG) - 400KV	417	16:30	406	00:05	0	0	0	0	0
Bareilly(UP) - 400KV	417	16:30	406	00:05	0	0	0	0	0
Baspa(HP) - 400KV	415	01:10	411	00:00	0	0	0	0	0
Bassi(PG) - 400KV	420	08:00	405	12:10	0	0	0	0	0
Bawana(DTL) - 400KV	420	17:05	408	12:15	0	0	0	0	0
Dadri HVDC(PG). - 400KV	422	17:30	405	00:05	0	0	6.6	0	6.6
Gorakhpur(PG) - 400KV	417	08:45	398	18:50	0	0	0	0	0
Hisar(PG) - 400KV	422	21:55	406	12:15	0	0	9.72	0	9.72
Kanpur(PG) - 400KV	419	08:50	405	22:40	0	0	0	0	0
Kashipur(UT) - 400KV	419	17:05	413	10:55	0	0	0	0	0
Kishenpur(PG) - 400KV	418	03:25	407	12:15	0	0	0	0	0
Moga(PG) - 400KV	419	02:10	407	12:15	0	0	0	0	0
Nallagarh(PG) - 400KV	415	01:10	411	00:00	0	0	0	0	0
Rihand HVDC(PG) - 400KV	402	14:00	394	22:10	0	0	0	0	0
Rihand(NT) - 400KV	407	14:00	396	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	797	08:15	778	00:00	0	0	0	0	0
Balia(PG) - 765KV	793	08:45	765	22:25	0	0	0	0	0
Bareilly II(PG) - 765KV	794	15:10	771	18:50	0	0	0	0	0
Bhiwani(PG) - 765KV	792	07:55	771	12:20	0	0	0	0	0
Fatehpur(PG) - 765KV	792	08:05	751	18:50	0	0	0	0	0
Jhatikara(PG) - 765KV	792	08:00	769	12:15	0	0	0	0	0
Lucknow II(PG) - 765KV	791	08:55	760	22:35	0	0	0	0	0
Meerut(PG) - 765KV	798	17:30	773	12:20	0	0	0	0	0
Moga(PG) - 765KV	796	02:25	774	09:15	0	0	0	0	0
Phagi(RJ) - 765KV	801	08:05	781	22:40	0	0	1.04	0	1.04
Unnao(UP) - 765KV	787	08:00	757	22:40	0	0	0	0	0

7(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00)							Peak Hours (19:00)						
	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	0	0	1,351.98	869.13	0	0	0	0	0	1,931.4	193.14	0	0	0
HARYANA	1,527.94	119.75	3.77	675.99	0	0	0	1,763.16	0	8.4	-500	0	0	0
RAJASTHAN	793.56	-13.07	93.96	0	0	0	0	841.84	-12.9	100.19	0	0	0	0
DELHI	37.61	0.77	868.16	755.18	0	0	0	38.27	0	0	371.79	0	0	0
UTTAR PRADESH	-50.85	27.22	468.04	289.13	0	0	0	-50.87	293.17	862.27	542.14	0	0	0
UTTARAKHA ..	0	-3.2	36.7	173.83	0	0	0	0	-3.2	17.77	-233.66	0	0	0
HIMACHAL PRADESH	-6.39	-84.2	-315.62	-147.92	0	0	0	-56.67	-83.8	-537.7	-117.03	0	0	0
J&K(UT) & LADAKH(UT)	204.84	0	0	-1,194.5	0	0	0	336.92	-5.7	0	-720	0	0	0
CHANDIGARH	0	0	-40	15.45	0	0	0	6.52	0	-100	-15	0	0	0
RAILWAYS_NRISTS	36.18	0	36.7	0	0	0	0	36.18	0	36.7	0	0	0	0
TOTAL	2,542.89	47.27	2,503.69	1,436.29	0	0	0	2,915.35	187.57	2,319.03	-478.62	0	0	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	78.16	0	1.74	39.58	22.78	142.26
HARYANA	124.45	43	1.41	0.03	-1.4	167.49
RAJASTHAN	91.96	15.32	-0.43	2.37	1.46	110.68
DELHI	78.12	1.14	0.02	9.67	13.26	102.21
UTTAR PRADESH	156.95	-1.02	2.19	16.15	10.66	185.89
UTTARAKHAND	17.23	0.26	-0.08	0.9	-1.05	17.26
HIMACHAL PRADESH	18.67	-0.26	-1.48	-6.14	-8.14	2.65
J&K(UT) & LADAKH(UT)	40.67	6.53	-0.01	0	-15.12	32.07
CHANDIGARH	5.68	0.02	0	-0.77	0.44	5.37
RAILWAYS_NR ISTS	2.4	0.87	0	0.66	0	3.93
TOTAL	614.29	65.86	3.36	62.45	22.89	769.81

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	3,718.98	2,732.53	0	0	246.25	0	0	0
HARYANA	5,967.09	4,544.86	2,112.62	1,527.94	119.75	0	0	0
RAJASTHAN	4,727.96	2,159.75	841.84	428.77	-6.97	-31.2	0	0
DELHI	3,686.17	2,455.7	70.13	37.56	1.55	0	0	0
UTTAR PRADESH	8,511.67	5,057.88	-23.59	-50.87	293.17	1.84	7.05	0
UTTARAKHAND	1,075.65	477.04	36.22	0	-3.2	-3.2	0	0
HIMACHAL PRADESH	1,045.52	565.45	16.49	-56.67	-7.16	-84.2	0	0
J&K(UT) & Ladakh(UT)	2,010.59	1,480.2	336.92	204.84	0	-12.7	0	0
CHANDIGARH	358.87	140.17	9.92	0	0	0	0	0
RAILWAYS_NR ISTS	112.59	87.18	36.18	36.18	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	2,317.68	965.7	0	0	2,607.39	-300	0	0
HARYANA	16.03	-179.61	0	0	965.7	-900	0	0
RAJASTHAN	116.08	84.74	0	0	863.53	-680.13	0	0
DELHI	1,143.39	0	0	0	862.37	213.42	0	0
UTTAR PRADESH	1,630.58	303.81	0	0	817.85	96.74	0	0
UTTARAKHAND	214.39	-26.79	0	0	189.66	-383.66	0	0
HIMACHAL PRADESH	21.73	-599.7	0	0	-82.92	-777.43	0	0
J&K(UT) & LADAKH(UT)	0	0	0	0	0	-1,237.9	0	0
CHANDIGARH	43.46	-125	0	0	45.39	-15	0	0
RAILWAYS_NR ISTS	36.7	0	0	0	0	0	0	0

8.Major Reservoir Particulars

RESERVOIR	Parameters			Present Parameters		LAST YEAR		LAST DAY	
	MDDL (Mts)	FRL (Mts)	Energy Content at FRL	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (m3/s)	Usage (m3/s)
Bhakra	445.62	513.59	1,728.8	509.95	1,545	502.04	1,180	657.18	789.36
Chamera-I	748.75	760	753.95	755.7	5	-	-	140.3	142.49
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.05	5	611.94	6	217.3	216.61
Pong	384.05	426.72	1,084	423.27	1,051	415.46	693	285.55	486.28
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	523.05	342	498.23	82	165.14	563.57
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	829.33	1,150	829.65	1,157	315.68	218
TOTAL	-	-	-	-	4,098	-	3,118	1,781.15	2,416.31

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	3
DELHI	9	21
HARYANA	5	15
HIMACHAL PRADESH	1	7
J&K(UT) & Ladakh(UT)	7	18
PUNJAB	9	16
RAJASTHAN	9	33
UTTAR PRADESH	11	40
UTTARAKHAND	8	18

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	2,386	2,717	3002	00:00:00	62.11	2,588
NCR_DRAWAL	-	10,384	11,790	13463	00:00:00	252.11	10,505
NCR_DEMAND	-	12,770	14,507	16466	00:00:00	314.23	13,093
LADAKH_DEMAND	-	12	-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	0.012	12	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 :

First Time Charging of:  
1. 415 MAIN BAY - 765/400 KV 1500 MVA ICT 3 AT NARELA(PNTL) (PNTL) AT 400 KV NARELA(PNTL) at 01:22hrs.  
2. 414 TIE BAY - 765/400 KV 1500 MVA ICT 3 AT NARELA(PNTL) (PNTL) AND FUTURE AT 400 KV NARELA(PNTL) (PNTL) at 01:32hrs.  
3. 413 MAIN BAY - 400 KV NARELA(PNTL) - BUS 1 (PNTL) AT 400 KV NARELA(PNTL) at 02:30hrs.  
4. 710 MAIN BAY - 765/400 KV 1500 MVA ICT 2 AT NARELA(PNTL) (PNTL) AT 765 KV NARELA(PNTL) at 04:37hrs.  
5. 765/400 KV 1500 MVA ICT 2 AT NARELA(PNTL) at 04:37hrs.  
6. 412 MAIN BAY - 765/400 KV 1500 MVA ICT 2 AT NARELA(PNTL) (PNTL) AT 400 KV NARELA(PNTL) at 04:44hrs.  
7. 411 TIE BAY - 765/400 KV 1500 MVA ICT 2 AT NARELA(PNTL) (PNTL) AND FUTURE AT 400 KV NARELA(PNTL) (PNTL) at 04:45hrs.  
8. 410 MAIN BAY - 400 KV NARELA(PNTL) - BUS 1 (PNTL) AT 400 KV NARELA(PNTL) at 04:46hrs.

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