



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

Power Supply Position in Northern Region For 26-Sep-2025

Date of Reporting:27-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
77,705	0	77,705	50.04	70,225	0	70,225	49.97	1,793	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	92.57	17.88	0	4.69	0	1.72	116.85	179.99	178.49	-1.5	295.34	0	295.34
HARYANA	56.48	0.56	0	1.25	0	0.94	59.22	203.16	202.04	-1.12	261.26	0	261.26
RAJASTHAN	151.27	5.94	1.95	45.66	4.83	5.47	215.11	131.66	131.66	0	346.77	0	346.77
DELHI	0	0	7.38	0	0	1.67	9.04	129.03	128.14	-0.89	137.18	0	137.18
UTTAR PRADESH	305.8	29.4	0	15.6	0	0.6	351.4	245.07	244.28	-0.79	595.68	0	595.68
UTTARAKHAND	0	24.53	0	0.65	0	0	25.18	26.7	27.27	0.57	52.45	0	52.45
HIMACHAL PRADESH	0	34	0	0.13	0	0	34.12	4.95	4.92	-0.03	39.04	0	39.04
J&K(UT) & Ladakh(UT)	0	25.52	0	0	0	0	25.52	30.07	28.65	-1.42	54.17	0	54.17
CHANDIGARH	0	0	0	0	0	0	0	6.44	6.65	0.21	6.65	0	6.65
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.98	4.22	0.24	4.22	0	4.22
Region	606.12	137.83	9.33	67.98	4.83	10.4	836.44	961.05	956.32	-4.73	1,792.76	0	1,792.76

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	11,354	0	-299	342	12,128	9,951	0	-277	982
HARYANA	11,133	0	4	1,341	10,971	10,728	0	84	2,663
RAJASTHAN	14,476	0	129	1,476	14,529	13,525	0	60	1,250
DELHI	5,967	0	-11	1,117	5,707	5,149	0	178	1,398
UTTAR PRADESH	27,487	0	-34	5,425	24,701	25,626	0	523	1,984
UTTARAKHAND	2,505	0	26	112	2,188	2,011	0	26	48
HIMACHAL PRADESH	1,690	0	-13	-94	1,627	1,304	0	-71	-301
J&K(UT) & Ladakh(UT)	2,579	0	103	-397	2,257	1,538	0	-61	-1,173
CHANDIGARH	318	0	8	-51	277	225	0	11	-40
RAILWAYS_NR ISTS	197	0	28	60	176	169	0	-1	65
Region	77,706	0	-59	9,331	74,561	70,226	0	472	6,876

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	13,955	10:00	0	13,955	13,955	10:00	0	13,955	9,951	3:00	-	-	-	-
HARYANA	12,178	14:00	0	12,178	12,178	14:00	0	12,178	9,921	1:00	-	-	-	-
RAJASTHAN	15,770	15:00	0	15,770	15,770	15:00	0	15,770	13,350	4:00	-	-	-	-
DELHI	6,552	16:00	0	6,552	6,552	16:00	0	6,552	4,653	6:00	-	-	-	-
UP	29,100	19:00	0	29,100	29,100	19:00	0	29,100	20,290	6:00	-	-	-	-
UTTARAKHA ..	2,643	18:00	0	2,643	2,643	18:00	0	2,643	1,922	11:00	-	-	-	-
HP	1,895	7:00	0	1,895	1,895	7:00	0	1,895	1,304	3:00	-	-	-	-
J&K(UT)&Lad ..	2,647	13:00	0	2,647	2,647	13:00	0	2,647	1,538	3:00	-	-	-	-
CHANDIGARH	330	15:00	0	330	330	15:00	0	330	217	5:00	-	-	-	-
RAILWAYS_NR ISTS	215	18:00	0	215	215	18:00	0	215	143	14:00	-	-	-	-
NR	79,551	19:00	0	79,551	79,551	19:00	0	79,551	68,429	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	-3	-3	-1.44		0		0	-0.05	-2
DELHI GAS TURBINES( 3 * 34 + 6 * 30 )	282	37	38	38.69		0		0.89	0.84	35
PRAGATI GAS TURBINES( 1 * 121.2 + 2 * 104.6 )	331	275	274	277.24		0		6.74	6.59	275
RITHALA GPS( 3 * 36 )	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	309	309					7.63	7.38	308
WIND	0	0	0	0		0				
BIOMASS( 52 )	52	63	62	0		0		1.69	1.67	70
SOLAR( 2 )	2	0	0	0		0				
Total DELHI	2,145	372	371					9.32	9.05	378

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	504	353	515	19:00	346	13:00	9.29	8.39	350
JHAJJAR(CLP)( 2 * 660 )	1,320	1,222	748	1,231	23:00	745	15:00	22.62	21.09	879
MAGNUM DIESEL (IPP)( 4 * 6.3 )	25	0	0	0		0				
PANIPAT TPS( 1 * 210 + 2 * 250 )	710	433	361	445	19:00	356	22:00	9.59	8.64	360
RGTPP( KHEDAR)( 2 * 600 )	1,200	981	727	998	21:00	689	12:00	18.91	18.36	765
Total THERMAL	3,855	3,140	2,189					60.41	56.48	2,354
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	22	21	28	16:00	18	02:00	0.56	0.56	23
Total HYDEL	65	22	21					0.56	0.56	23
WIND	0	0	0	0		0				
BIOMASS( 106 )	106	0	0	0		0		0.94	0.94	39
SOLAR(196)	196	0	0	0		0		1.25	1.25	52
Total HARYANA	4,654	3,162	2,210					63.16	59.23	2,468

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	106	90	108	18:00	42	16:00	2.18	2.18	91
BASPA (IPP) HPS( 3 * 100 )	300	298	301	301	01:00	208	12:00	6.21	6.12	255
MALANA (IPP) HPS( 2 * 43 )	86	84	54	85	19:00	33	11:00	1.41	1.4	58
MALANA2( 2 * 50 )	100	0	0	0		0				
SAWARA KUDDU( 3 * 37 )	111	111	37	111	08:00	37	12:00	1.41	1.41	59
OTHER HYDRO HP( 503.75 )	504	304	294	0		0		6.77	6.75	281
Total HYDEL	1,281	903	776					17.98	17.86	744
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR( 1 * 19 )	19	0	0	0		0		0.13	0.13	5
SMALL HYDRO( 765.25 )	765	795	705	0		0		16.15	16.12	672
Total SMALL HYDRO	765	795	705					16.15	16.12	672
Total HP	2,065	1,698	1,481					34.26	34.11	1,421

J&K(UT) & LADAKH(UT)										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAS/DIESEL/OTHERS J&K( 1 * 190 )	190	0	0	0		0				
Total GAS/NAPTHA/DIESEL	190	0	0					0	0	0
BAGLIHAR (IPP) HPS( 6 * 150 )	900	0	0	0		0		21.37	21.37	890
OTHER HYDRO/IPP J&K( 308 )	308	0	0	0		0		4.15	4.15	173
Total HYDEL	1,208	0	0					25.52	25.52	1,063
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					25.52	25.52	1,063

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	246	145	246	06:00	145	01:00	5.15	4.62	193
GURU GOBIND SINGH TPS (ROPAR)( 4 * 210 )	840	448	439	465	07:00	430	23:00	11.68	10.38	433
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)( 2 * 210 + 2 * 250 )	920	825	639	825	20:00	639	01:00	18.81	17.25	719
RAJPURA(NPL) TPS( 2 * 700 )	1,400	1,320	1,245	1,320	01:00	660	13:00	28.59	27.31	1,138
TALWANDI SABO TPS( 3 * 660 )	1,980	1,790	924	1,795	19:00	924	03:00	35.37	33	1,375
Total THERMAL	5,680	4,629	3,392					99.6	92.56	3,858
ANANADPUR SAHIB HYDRO PLANT( 2 * 33.5 + 2 * 33.5 )	134	109	108	109	05:00	108	01:00	2.67	2.67	111
MUKERIAN HYDRO PLANT( 6 * 15 + 6 * 19.5 + 2 * 9 )	225	180	170	180	17:00	170	01:00	4.12	4.11	171
RANJIT SAGAR POWER PLANT ( 4 * 150 )	600	602	241	602	19:00	130	09:00	7.41	7.39	308
SHANAN( 4 * 15 + 1 * 50 )	110	80	80	95	11:00	55	14:00	1.86	1.85	77
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	599					17.93	17.89	745
WIND	0	0	0	0		0				
BIOMASS( 303 )	303	0	0	0		0		1.72	1.72	72
SOLAR( 881 )	881	56	55	488	12:00	55	01:00	4.69	4.69	195
Total PUNJAB	8,025	5,656	4,046					123.94	116.86	4,870

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	109	111	112	09:00	108	18:00	2.93	2.56	107
CHHABRA TPS( 2 * 660 + 4 * 250 )	2,320	1,818	1,837	1,863	07:00	1,248	14:00	42.94	39.68	1,653
GIRAL (IPP) LTPS( 2 * 125 )	250	0	0	0		0				
KALISINDH TPS( 2 * 600 )	1,200	958	989	1,025	08:00	623	14:00	22.18	20.68	862
KAWAI TPS( 2 * 660 )	1,320	587	594	617	22:00	360	14:00	13	12.37	515
KOTA TPS( 2 * 110 + 2 * 195 + 3 * 210 )	1,240	1,037	1,044	1,046	04:00	741	10:00	24.78	22.13	922
RAJWEST (IPP) LTPS( 8 * 135 )	1,080	700	703	712	08:00	562	14:00	17.81	15.4	642
SURATGARH TPS ( 6 * 250 + 2 * 660(SSCTPS))	2,820	1,658	1,537	1,752	19:00	1,320	15:00	38.91	35.91	1,496
VSLPP (IPP)( 1 * 135 )	135	108	108	113	21:00	105	15:00	2.91	2.56	107
Total THERMAL	10,615	6,975	6,923					165.46	151.29	6,304
DHOLPUR GPS( 3 * 110 )	330	0	0	0		0				
RAMGARH GPS( 1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5 )	271	77	78	78	07:00	76	16:00	2.02	1.95	81
Total GAS/NAPTHA/DIESEL	601	77	78					2.02	1.95	81
RAPS-A( 1 * 100 + 1 * 200 )	300	176	176	178	02:00	175	10:00	4.64	4.3	179
Total NUCLEAR	300	176	176					4.64	4.3	179
TOTAL HYDRO RAJASTHAN( 550 )	550	247	326	326	04:00	243	10:00	5.95	5.94	248
Total HYDEL	550	247	326					5.95	5.94	248
WIND( 1 * 4328 )	4,328	129	432	568	01:00	40	14:00	4.83	4.83	201
BIOMASS( 102 )	102	49	49	49	01:00	49	06:00	1.17	1.17	49
SOLAR(6560)	6,560	0	0	6,058	13:00	0	06:00	45.66	45.66	1,903
Total RAJASTHAN	23,056	7,653	7,984					229.73	215.14	8,965

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	1,384	1,388	1,389	01:00	1,213	22:00	34.9	32.4	1,350
ANPARA-C TPS( 2 * 600 )	1,200	1,110	1,101	1,110	18:00	1,008	23:59	28.3	26.1	1,088
ANPARA-D TPS( 2 * 500 )	1,000	941	938	945	17:00	917	11:00	23.9	22.4	933
BAJAJ ENERGY PVT LTD (IPP) TPS( 10 * 45 )	450	309	366	366	02:00	203	07:00	7.4	6.7	279
BARA PPGCL TPS( 3 * 660 )	1,980	1,090	1,096	1,105	02:00	982	21:00	28.1	26	1,083
GHATAMPUR TPS (2*660)	1,320	567	555	591	23:59	302	08:00	12.9	11.6	483
HARDUAGANJ TPS( 1 * 110 + 2 * 250 + 1*660)	1,270	902	723	1,051	18:00	638	21:00	20.1	18.2	758
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	645	654	669	06:00	583	23:59	18	16.2	675
JP CHURK( 3 * 60 )	180	0	0	0		0				
KHURJA TPS(2 * 660)	1,320	564	1,049	1,075	15:00	549	20:00	24.4	22	917
LALITPUR TPS( 3 * 660 )	1,980	1,829	1,849	1,849	03:00	1,013	22:00	44.1	41.4	1,725
MEJA TPS( 2 * 660 )	1,320	1,169	1,225	1,226	01:00	688	09:00	27.8	26	1,083
OBRA TPS ( 5 * 200+2*660 )	2,320	990	942	1,022	13:00	790	22:00	25.9	23.3	971
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS( 2 * 210 + 2 * 250 )	920	419	768	774	05:00	349	22:00	12.8	11.6	483
ROSA TPS( 4 * 300 )	1,200	1,079	1,091	1,091	03:00	605	08:00	24	21.9	913
Total THERMAL	20,730	12,998	13,745					332.6	305.8	12,741
ALAKHANANDA HEP( 4 * 82.5 )	330	354	354	357	09:00	348	23:59	8.5	8.5	354
RIHAND HPS( 6 * 50 )	300	230	280	280	01:00	230	19:00	6.5	6.5	271
VISHNUPARYAG HPS( 4 * 110 )	440	436	436	436	01:00	396	13:00	10.3	10.3	429
OTHER HYDRO UP( 227 )	227	180	169	186	15:00	158	12:00	4.1	4.1	171
Total HYDEL	1,297	1,200	1,239					29.4	29.4	1,225
WIND	0	0	0	0		0				
BIOMASS( 26 )	26	0	0	0		0				
SOLAR( 2729)	2,729	0	0	2,155	12:00	0	01:00	15.6	15.6	650
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	14,223	15,009					378.2	351.4	14,641

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	1,050	1,026	1,064	18:00	1,012	16:00	24.61	24.53	1,022
Total HYDEL	1,250	1,050	1,026					24.61	24.53	1,022
WIND	0	0	0	0		0				
BIOMASS( 127 )	127	0	0	0		0				
SOLAR( 278)	278	0	0	98	12:00	5	07:00	0.65	0.65	27
SMALL HYDRO( 180 )	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,050	1,026					25.26	25.18	1,049

(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	1,365	949	1,482	18:15	822	13:00	21.15	23.16	21.32	0.23	888	-0.06
Sub-Total	1,500	1,406	1,365	949	-	-	-	-	21.15	23.16	21.32	0.23	888	-0.06
BBMB														
BHAKRA HPS( 5 * 126 + 5 * 157 )	1,415	1,359	1,394	1,268	1,394	20:00	1,237	09:00	29.6	30.4	30.05	0	1,252	0.45
DEHAR HPS( 6 * 165 )	990	480	495	495	495	20:00	495	09:00	11.52	11.91	11.62	0	484	0.1
PONG HPS( 6 * 66 )	396	352	360	360	360	20:00	360	09:00	8.45	8.64	8.46	0	353	0.01
Sub-Total	2,801	2,191	2,249	2,123	-	-	-	-	49.57	50.95	50.13	0	2,089	0.56
NHPC														
BAIRASIUL HPS( 3 * 60 )	180	186	184	62	185	20:45	59.52	13:15	2.29	2.42	2.4	0	100	0.11
CHAMERA I HPS( 3 * 180 )	540	540	537	361	537	20:00	359	02:00	9.13	9.13	9	0	375	-0.13
CHAMERA II HPS( 3 * 100 )	300	312	301	301	301	19:00	99.8	17:00	5.04	5.06	5.02	0	209	-0.02
CHAMERA III HPS( 3 * 77 )	231	240	221	77	221	19:00	0	14:00	1.8	1.74	1.71	-0.03	71	-0.06
DHAULIGANGA HPS( 4 * 70 )	280	292	281	166	281	20:00	137.9	13:00	4.23	4.33	4.31	0	180	0.08
DULHASTI HPS( 3 * 130 )	390	333	345	341	348	12:00	333	13:00	7.99	8.17	8.06	0	336	0.07
KISHANGANGA( 3 * 110 )	330	326	328	110	328	19:00	0	13:00	2.93	2.99	2.97	0	124	0.04
PARBATI III HEP( 4 * 130 )	520	280	290	132	290	20:00	0	-	4.16	4.33	4.29	0	179	0.13
PARBATI-II( 4 * 200 )	800	400	391	224	391	20:00	179.3	01:00	7.21	7.57	7.14	0	298	-0.07
SALAL HPS( 6 * 115 )	690	700	709	606	711	10:00	606	03:00	16.46	16.78	16.58	0	691	0.12
SEWA-II HPS( 3 * 40 )	120	119	116	42	124	23:00	34.12	06:00	1.28	1.32	1.3	0	54	0.02
TANAKPUR HPS( 1 * 31.42 + 2 * 31.4 )	94	93	105	105	105	00:00	103.99	13:00	2.26	2.51	2.48	0	103	0.22
URI HPS( 4 * 120 )	480	400	369	377	478	06:00	168	09:00	9.28	9.54	9.47	0	395	0.19
URI-II HPS( 4 * 60 )	240	180	185	217	237	18:00	154.77	11:00	4.69	4.89	4.85	0	202	0.16
Sub-Total	5,195	4,401	4,362	3,121	-	-	-	-	78.75	80.78	79.58	-0.03	3,317	0.86
NPCL														
NAPS( 2 * 220 )	440	189	214	216	217	07:00	0	-	4.54	5.11	4.52	0	188	-0.02
RAPP-D	700	0	0	0	0	-	0	-	3.64	3.95	2.65	0	110	-0.99
RAPS-B( 2 * 220 )	440	344	381	392	395	02:00	0	-	8.26	9.3	8.2	0	342	-0.06
RAPS-C( 2 * 220 )	440	407	452	449	452	16:00	0	-	9.77	10.82	9.75	0	406	-0.02
Sub-Total	2,020	940	1,047	1,057	-	-	-	-	26.21	29.18	25.12	0	1,046	-1.09
NTPC														
ANTA GPS( 1 * 153.2 + 3 * 88.71 )	419	256	0	0	0	-	0	-	0	0	0	0	0	0
AURAIYA GPS( 2 * 109.3 + 4 * 111.19 )	663	636	0	0	0	-	0	-	0	0	0.05	0	2	0.05
DADRI GPS( 2 * 154.51 + 4 * 130.19 )	830	785	0	0	0	-	0	-	0	0	0.04	0	2	0.04
DADRI-I TPS( 4 * 210 )	840	769	463	457	733	19:15	0	-	10.64	12.37	11.08	0	462	0.44
DADRI-II TPS( 2 * 490 )	980	919	775	584	906	19:15	0	-	13.39	14.81	13.72	0	572	0.33
KOLDAM HPS( 4 * 200 )	800	871	868	842	870	22:00	0	-	13.4	13.6	13.52	0	563	0.12
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.1	3.8	3.8	0	158	-0.3
RIHAND-I STPS( 2 * 500 )	1,000	460	497	492	504	23:00	273	13:00	9.36	10.32	9.09	-0.01	379	-0.26
RIHAND-II STPS( 2 * 500 )	1,000	943	992	964	999	23:00	540	13:00	19.42	20.58	19.17	0	799	-0.25
RIHAND-III STPS( 2 * 500 )	1,000	943	986	988	1,005	03:00	534	13:00	19.23	20.48	19.26	-0.01	803	0.04
SINGRAULI HYDRO( 1 * 8 )	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS( 2 * 500 + 5 * 200 )	2,000	1,680	1,751	1,780	1,799	07:00	1,050	09:00	34.26	36.82	33.7	0	1,404	-0.56
TANDA TPS( 4 * 110 )	440	-	0	0	0	-	0	-	-	-	-	-	-	-
TANDA TPS STAGE-II( 2 * 660 )	1,320	619	609	368	625	23:00	335	16:45	11.51	12.43	11.51	0	480	0
UNCHAHAH II TPS( 2 * 210 )	420	375	379	265	379	20:00	237	12:00	5.8	6.74	5.93	0.14	247	-0.01
UNCHAHAH III TPS( 1 * 210 )	210	189	189	129	195	18:00	118	17:00	2.95	3.4	3.05	0.11	127	-0.01
UNCHAHAH IV TPS( 1 * 500 )	500	466	480	301	480	20:00	275	11:00	7.83	8.55	7.96	0.18	332	-0.05
UNCHAHAH TPS( 2 * 210 )	420	189	196	120	196	20:00	119	08:00	2.93	3.33	2.9	0	121	-0.03
Sub-Total	13,095	10,100	8,185	7,290	-	-	-	-	154.82	167.23	154.78	0.41	6,451	-0.45
SJVNL														
NATHPA-JHAKRI HPS( 6 * 250 )	1,500	1,482	1,483	1,334	1,512	23:00	1,171	13:00	31.56	32.06	31.81	0	1,325	0.25
RAMPUR HEP( 6 * 68.67 )	412	408	415	373	423	00:00	313	17:00	8.79	9.2	9.13	0	380	0.34
Sub-Total	1,912	1,890	1,898	1,707	-	-	-	-	40.35	41.26	40.94	0	1,705	0.59
THDC														
KOTESHWAR HPS( 4 * 100 )	400	380	385	99	385	20:00	88	12:00	3.32	3.51	3.5	0.18	146	0
TEHRI HPS( 4 * 250 )	1,000	1,072	1,068	254	1,068	20:00	0	09:00	10.01	10.18	10.13	0	422	0.12
TEHRI PSP( 4 * 250 )	1,000	500	503	0	527	23:00	0	-	1.5	5.02	1.33	0	55	-0.17

Sub-Total	2,400	1,952	1,956	353	-	-	-	-	14.83	18.71	14.96	0.18	623	-0.05
Total	28,923	22,880	21,062	16,600					385.68	411.27	386.83	0.79	16,119	0.36

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	188	189	94	193	21:00	0	-	2.38	2.41	2.39	100	0.01
BUDHIL HPS (IPP)( 2 * 35 )	70	28	71	70	72	18:00	0	-	1.14	1.17	1.16	48	0.02
KARCHAM WANGTOO HPS( 4 * 261.25 )	1,045	1,087	1,101	750	1,101	20:00	600	13:00	17.6	18.02	17.91	746	0.31
SAINJ HEP( 2 * 50 )	100	0	0	0	0	-	0	-	0	-	-	-	-
SHREE CEMENT (IPP) TPS( 2 * 150 )	300	338	341	93	341	21:00	0	-	3.91	4.17	3.86	161	-0.05
SINGOLI BHATWARI HEP( 3 * 33 )	99	107	108	108	108	20:00	0	-	2.37	2.55	2.51	105	0.14
SORANG HYDROELECTRIC PROJECT( 2 * 50 )	100	62	78	61	83	18:00	0	-	1.47	1.53	1.53	64	0.06
Sub-Total	1,906	1,810	1,888	1,176	-	-	-	-	28.87	29.85	29.36	1,224	0.49
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	500	0	0	0	0	-	0	-	3.12	3.18	3.18	133	0.06
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.61	1.63	1.63	68	0.02
ACME CHITTORGARH SOLAR ENERGY PVT LTD( 1 * 250 )	250	0	0	0	233	11:44	0	-	1.59	1.67	1.67	70	0.08
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	318	11:30	0	-	2.34	2.29	2.29	95	-0.05
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	2.31	2.21	2.21	92	-0.1
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	311	11:44	0	-	2.34	2.24	2.24	93	-0.1
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	316	11:31	0	-	2.34	2.26	2.26	94	-0.08
ACME SIKAR SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.45	1.44	1.44	60	-0.01
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	313	11:32	0	-	2.34	2.25	2.24	93	-0.1
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.63	0.67	0.67	28	0.04
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.62	0.64	0.64	27	0.02
ADANI GREEN ENERGY TWENTY FOUR LIMITED	500	0	0	0	391	14:27	0	-	2.56	2.52	2.51	105	-0.05
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)( 1 * 200 )	200	0	0	0	185	15:47	0	-	1.37	1.38	1.38	58	0.01
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	155	12:00	0	-	1.14	1.14	1.14	48	0
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	144	11:45	0	-	1.07	1.09	1.09	45	0.02
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.31	0.32	0.32	13	0.01
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	10:44	0	-	1.12	1.16	1.16	48	0.04
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	167	10:26	0	-	1.54	1.5	1.5	63	-0.04
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	94	09:29	0	-	0.68	0.62	0.62	26	-0.06
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	385	11:17	0	-	2.76	2.79	2.78	116	0.02
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	1.14	1.12	1.12	47	-0.02
AMP ENERGY GREEN FOUR PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.56	0.6	0.6	25	0.04
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	86	09:43	0	-	0.61	0.6	0.6	25	-0.01
AURAIYA SOLAR( 1 * 40 )	40	0	0	0	0	-	0	-	0.15	0.14	0.13	5	-0.02
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	242	12:14	0	-	1.73	1.74	1.74	73	0.01
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER( 1 * 350 )	350	0	0	0	350	11:43	0	-	2.45	2.45	2.45	102	0
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	325	11:44	0	-	2.37	2.38	2.37	99	0
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	300	11:35	0	-	2.09	2.14	2.14	89	0.05
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	299	11:32	0	-	2.15	2.19	2.19	91	0.04
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	234	09:47	0	-	1.53	1.47	1.47	61	-0.06
AZURE POWER FORTY THREE PRIVATE LIMITED( 1 * 150 + 1 * 150 + 1 * 300 )	600	0	0	0	446	11:00	0	-	3.41	3.49	3.49	145	0.08
AZURE POWER INDIA PVT LTD.( 4 * 50 )	200	0	0	0	181	12:45	0	-	1.28	1.19	1.19	50	-0.09
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	261	12:36	0	-	2.04	1.95	1.95	81	-0.09
AZURE POWER THIRTY FOUR PRIVATE LTD( 1 * 130 )	130	0	0	0	128	12:22	0	-	0.94	0.92	0.92	38	-0.02
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1.07	1.05	1.05	44	-0.02
CLEAN SOLAR POWER (BHADLA) PVT LTD( 1 * 300 )	300	0	0	0	292	12:00	0	-	2.05	1.96	1.96	82	-0.09
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	251	12:48	0	-	1.82	1.72	1.71	71	-0.11

DADRI SOLAR( 5 )	5	0	0	0	3	-	0	-	0.02	0.02	0.02	1	0
DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.48	1.47	1.47	61	-0.01
EDEN RENEWABLE ALMA PRIVATE LIMITED	300	0	0	0	229	15:16	0	-	1.55	1.52	1.51	63	-0.04
EDEN RENEWABLE CITE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	305	13:16	0	-	2.26	2.23	2.23	93	-0.03
GORBEA SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.63	1.61	1.61	67	-0.02
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	85	09:45	0	-	0.63	0.6	0.6	25	-0.03
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	82	09:44	0	-	0.54	0.4	0.4	17	-0.14
JUNA RENEWABLE ENERGY PRIVATE LIMITED	335	0	0	0	0	-	0	-	2.04	2.02	2.02	84	-0.02
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	38	09:44	0	-	0.26	0.19	0.19	8	-0.07
KARNISAR SOLAR PLANT NHPC LIMITED	214	0	0	0	212	09:44	0	-	0.9	1.14	1.14	48	0.24
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.57	1.52	1.52	63	-0.05
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.18	3.17	3.17	132	-0.01
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED( 1 * 50 )	50	0	0	0	48	15:47	0	-	0.36	0.36	0.36	15	0
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED( 1 * 50 )	50	0	0	0	46	15:47	0	-	0.35	0.34	0.34	14	-0.01
M/S AZURE POWER FORTY ONE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	299	11:50	0	-	2.13	2.13	2.13	89	0
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	83	09:45	0	-	0.63	0.59	0.59	25	-0.04
MEGA SOILS RENEWABLE PRIVATE LIMITED( 1 * 250 )	250	0	0	0	0	-	0	-	1.73	1.76	1.76	73	0.03
MEGA SURYAURJA PVT LTD( 1*250 )	250	0	0	0	0	-	0	-	1.73	1.71	1.71	71	-0.02
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.64	0.68	0.68	28	0.04
NTPC NIDAN SOLAR(1*296)	296	0	0	0	294	11:30	0	-	2.14	1.23	2.09	87	-0.05
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	200	0	0	0	0	-	0	-	1.02	1.03	1.03	43	0.01
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.49	1.46	1.46	61	-0.03
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)( 1 * 300 )	300	0	0	0	300	11:44	0	-	2.26	2.15	2.15	90	-0.11
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	226	09:52	0	-	1.48	1.46	1.46	61	-0.02
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	296	11:45	0	-	2.13	2.14	2.14	89	0.01
RENEW SOLAR POWER PVT LTD( 50 )	50	0	0	0	223	11:01	0	-	0.37	1.59	1.59	66	1.22
RENEW SOLAR POWER PVT LTD. BIKANER( 1 * 250 )	250	0	0	0	0	-	0	-	1.65	1.57	1.57	65	-0.08
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	295	11:46	0	-	2.12	2.1	2.1	88	-0.02
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	299	11:29	0	-	2.14	2.13	2.12	88	-0.02
RENEW SURYA JYOTI PRIVATE LIMITED	210	0	0	0	0	-	0	-	1.13	1.1	1.1	46	-0.03
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	205	11:30	0	-	1.54	1.56	1.55	65	0.01
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	2.04	2.02	2.02	84	-0.02
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	98	12:46	0	-	0.74	0.74	0.74	31	0
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	197	12:30	0	-	1.45	1.43	1.43	60	-0.02
SB ENERGY FOUR PVT LTD( 2 * 100 )	200	0	0	0	195	11:40	0	-	1.42	1.43	1.43	60	0.01
SB ENERGY SIX PRIVATE LIMITED( 1 * 300 )	300	0	0	0	304	12:02	0	-	2.14	2.26	2.26	94	0.12
SJVN GREEN ENERGY LIMITED	501	0	0	0	512	10:37	0	-	2.17	2.18	2.18	91	0.01
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED_BKN2	168	0	0	0	0	-	0	-	1.08	1.08	1.08	45	0
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	232	0	0	0	224	09:29	0	-	1.48	1.4	1.4	58	-0.08
SINGRAULI SOLAR( 15 )	15	0	0	0	0	-	0	-	0.06	0.05	0.05	2	-0.01
SOLZEN URJA PRIVATE LIMITED( 1 * 300 )	300	0	0	0	281	11:45	0	-	2.03	2.03	2.03	85	0
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	71	09:29	0	-	0.17	0.47	0.47	20	0.3
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	218	11:40	0	-	1.57	1.52	1.52	63	-0.05
TATA POWER RENEWABLE ENERGY LTD( 1 * 300 )	300	0	0	0	274	11:48	0	-	2.05	1.98	1.94	81	-0.11
TATA POWER SAURYA LIMITED	110	0	0	0	80	09:43	0	-	0.56	0.53	0.53	22	-0.03
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	285	13:53	0	-	2.06	2.08	2.08	87	0.02
TRANSITION ENERGY SERVICES PRIVATE LIMITED	60	0	0	0	0	-	0	-	0.38	0.48	0.48	20	0.1
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	90	09:29	0	-	0.63	0.6	0.6	25	-0.03
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	43	09:29	0	-	0.32	0.29	0.29	12	-0.03
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.35	0.26	0.26	11	-0.09
UNCHAHAHAR SOLAR( 10 )	10	0	0	0	6	11:00	0.156	06:30	0.03	0.04	0.04	2	0.01



XL XERGI POWER PRIVATE LIMITED	400	0	0	0	263	10:15	0		1.83	1.85	1.84	77	0.01
Sub-Total	20,131	0	0	0	-	-	-	-	128.29	127.81	128.53	5,359	0.24
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	581	12:31	0	-	5.35	5.31	5.3	221	-0.05
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	147	278	-	0	-	2.38	1.06	1.06	44	-1.32
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	363	12:29	0	-	2.86	2.84	2.84	118	-0.02
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	0	40	69	12:00	0	-	0.84	0.71	0.71	30	-0.13
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	288	-	0	-	2.69	2.53	2.53	105	-0.16
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	0	39	60	12:00	0	-	0.61	0.3	0.3	13	-0.31
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	299	11:00	0	-	2.7	2.69	2.69	112	-0.01
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	0	28	50	12:00	0	-	0.62	0.19	0.19	8	-0.43
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	421	11:45	0	-	3.14	3.16	3.16	132	0.02
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	0	34	66	00:01	0	-	0.92	0.26	0.26	11	-0.66
Sub-Total	2,846	0	0	288	-	-	-	-	22.11	19.05	19.04	794	-3.07
Total	24,883	1,810	1,888	1,464					179.27	176.71	176.93	7,377	-2.34

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	70,093	33,814	32,127	889.39	836.49	34,855
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		16,833	13,361	416.04	416.04	16,089
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		21	5	-0.12	-0.12	16
Total Regional Availability(Gross)	123,899	73,618	63,557	1,893.29	1,816.17	74,456

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,880	9,229	230.98	224.63	9,360
State Control Area Hydro	7,855	5,188	4,692	138.1	137.82	5,742
Total Regional Hydro	22,577	18,068	13,921	369.08	362.45	15,102

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	23,222	0	288	150.66	151.37	6,311
State Control Area Renewable	15,709	297	598	78.33	78.31	3,263
Total Regional Renewable	38,931	297	886	228.99	229.68	9,574

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	22,356	0	0	148.14	148.85	6,205
State Control Area Solar	10,665	56	55	67.98	67.98	2,832
Total Solar	33,021	56	55	216.12	216.83	9,037

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	0	288	2.52	2.52	106
State Control Area Wind	4,328	129	432	4.83	4.83	201
Total Wind	5,194	129	720	7.35	7.35	307

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	-	-	-	-	0	0.12	-0.12
2	132KV-Chandauli (UP)-Karmnasa(PG)	-	-	-	-	-	-	-
3	132KV-Rihand (UP)-Garhwa(CG)	24	0	-	28	0	0.47	-0.47
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0	0	0
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.55	0	1.55
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	1.14	0	1.14
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0.59	0	0.59
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	4	0	4
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	14.47	0	14.47
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-	-	-	-	8.85	0	8.85
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-	-	-	-	13.8	0	13.8

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	4.59	0	4.59
13	400KV-Varanasi (PG)-Sasaram(PG)	6	56	104	0	1.36	0	1.36
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	17.25	0	17.25
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	4.51	0	4.51
16	765KV-Varanasi (PG)-Gaya(PG)	205	601	944	537	7.97	0	7.97
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	7.15	0	7.15
Sub-Total EAST REGION		235	657	1,048	565	87.23	0.59	86.64
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	10.04	0	10.04
Sub-Total NORTH_EAST REGION		0	0	0	0	10.04	0	10.04
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)	39	24	-	87	0	0.06	-0.06
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	89	91	100	-	2.03	0	2.03
6	220KV-Ranpur (RS)-Bhanpura(MP)	90	108	108	-	2.32	0	2.32
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-578	-705	-960	-10	12.08	0	12.08
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	8.97	-8.97
10	400KV-RAPS C (NP)-Sujalpur	-	-	-	-	6.56	0	6.56
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-764	-718	0	-911	0	14	-14
13	765KV-0rai-Jabalpur	2,918	2,621	3,328	0	54.33	0	54.33
14	765KV-0rai-Satna	1,142	1,046	1,270	0	21.43	0	21.43
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	45.45	0	45.45
16	765KV-Chittorgarh-Banaskata D/C	2,018	812	0	2,018	0	23.83	-23.83
17	765KV-Phagi (RJ)-Gwalior(PG)	2,327	1,919	2,404	-	30.8	0	30.8
18	765KV-Varanasi (PG)-Vindhyachal(PG)	3,016	3,005	3,536	0	66.84	0	66.84
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,301	1,001	2,004	0	33.57	0	33.57
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	500	500	500	0	11.59	0	11.59
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	4,500	3,000	4,500	0	79.22	0	79.22
Sub-Total WEST REGION		16,598	12,704	16,790	1,184	366.22	46.86	319.36
TOTAL IR EXCHANGE		16,833	13,361	17,838	1,749	463.49	47.45	416.04

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	111.7	17.22	0	-0.24	0	113.2	86.64	-26.56
NR-NORTH_EAST REGION	0	0	0	0	0	0	10.04	10.04
NR-WR	199.65	74.54	0	64.33	0	313.02	319.36	6.34
Total	311.35	91.76	0	64.09	0	426.22	416.04	-10.18

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)	21	5	46.632	31	0.13	0.25	-0.12	0
132KV-Nautanwa (UP)-Mainhiya (Nepal)					0	0	0	0

5.Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	< 50.0	>= 49.9 - <= 50.05	> 50.05 - <= 50.1	> 50.1 - <= 50.2	> 50.2	> 50.05
%	0	0	0	2.85	52.01	85.76	9.79	1.4	.2	11.39

<-----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.	
50.25	13:00:10	49.84	20:36:00	50	0.024	0.049	50.11	49.88	14.24

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	414	02:20	397	14:40	0	0	0	0	0
Amritsar(PG) - 400KV	413	02:25	389	14:55	0	1.39	0	0	0
Ballabgarh(PG) - 400KV	413	07:55	386	14:50	0	16.32	0	0	0

Bareilly II(PG) - 400KV	411	07:50	389	19:15	0	1.04	0	0	0
Bareilly(UP) - 400KV	412	07:50	390	19:15	0	.69	0	0	0
Baspa(HP) - 400KV	409	00:20	397	14:15	0	0	0	0	0
Bassi(PG) - 400KV	418	08:00	391	11:50	0	0	0	0	0
Bawana(DTL) - 400KV	417	02:15	396	14:40	0	0	0	0	0
Dadri HVDC(PG). - 400KV	408	07:50	388	14:50	0	9.38	0	0	0
Gorakhpur(PG) - 400KV	414	07:35	385	19:10	0	2.08	0	0	0
Hisar(PG) - 400KV	414	02:25	385	11:50	0	20.83	0	0	0
Kanpur(PG) - 400KV	414	08:00	390	19:10	0	.69	0	0	0
Kashipur(UT) - 400KV	415	07:00	404	19:15	0	0	0	0	0
Kishenpur(PG) - 400KV	415	03:55	399	14:55	0	0	0	0	0
Moga(PG) - 400KV	415	02:25	393	14:55	0	0	0	0	0
Nallagarh(PG) - 400KV	409	00:20	397	14:15	0	0	0	0	0
Rihand HVDC(PG) - 400KV	401	13:00	387	22:15	0	21.53	0	0	0
Rihand(NT) - 400KV	399	13:00	391	22:15	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	790	13:10	771	00:00	0	0	0	0	0
Balia(PG) - 765KV	788	07:55	745	19:10	0	0	0	0	0
Bareilly II(PG) - 765KV	786	07:50	742	19:15	0	.69	0	0	0
Bhiwani(PG) - 765KV	792	02:10	753	10:00	0	0	0	0	0
Fatehpur(PG) - 765KV	790	08:00	739	19:10	0	.69	0	0	0
Jhatikara(PG) - 765KV	791	07:50	742	10:05	0	.35	0	0	0
Lucknow II(PG) - 765KV	789	07:55	740	19:10	0	.69	0	0	0
Meerut(PG) - 765KV	794	04:00	747	10:10	0	0	0	0	0
Moga(PG) - 765KV	795	04:00	746	10:10	0	0	0	0	0
Phagi(RJ) - 765KV	796	08:05	760	10:30	0	0	0	0	0
Unnao(UP) - 765KV	773	08:00	734	19:10	0	7.64	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	982.1	0	0	0	0	0	0	782.1	0	-390.41	0	0	-50	0
HARYANA	2,200.97	119.29	19.24	323.84	0	0	0	2,001.04	0	15.82	0	0	-675.4	0
RAJASTHAN	860.42	-24.27	26.82	386.68	0	0	0	885.99	-15.9	13.89	591.91	0	0	0
DELHI	764.62	0.77	250.97	381.28	0	0	0	759.14	46.62	109.44	202.04	0	0	0
UTTAR PRADESH	287.51	16.28	537.68	1,142.38	0	0	0	1,831.21	211.53	1,723.11	1,659.24	0	0	0
UTTARAKHA ..	-245	-3.2	247.38	48.34	0	0	0	-245	-5.2	282.81	79.17	0	0	0
HIMACHAL PRADESH	-17.55	-63.3	-18.87	-201.11	0	0	0	-18.66	-63.2	-69	56.97	0	0	0
J&K(UT) & LADAKH(UT)	-300	-42.6	0	-830	0	0	0	-313	-48.3	-16.3	-19	0	0	0
CHANDIGARH	39.83	0	-80	0	0	0	0	58.54	0	-110	0	0	0	0
RAILWAYS_NRISTS	36.21	0	29	0	0	0	0	36.21	0	23.96	0	0	0	0
TOTAL	4,609.11	2.97	1,012.22	1,251.41	0	0	0	5,777.57	125.55	1,583.32	2,570.33	0	-725.4	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	123.47	25.71	0.07	2.28	28.46	179.99
HARYANA	144.74	55.34	1.5	0.69	0.89	203.16
RAJASTHAN	105.89	18.57	-0.17	2.29	5.08	131.66
DELHI	95.5	18.47	0.24	6.45	8.37	129.03
UTTAR PRADESH	200.18	11.94	2.62	16.05	14.13	245.07
UTTARAKHAND	25.38	-5.5	-0.08	5.75	1.15	26.7
HIMACHAL PRADESH	9.73	-3.61	-1.13	-0.76	0.72	4.95
J&K(UT) & LADAKH(UT)	41.01	-3.06	-0.54	-0.18	-7.16	30.07
CHANDIGARH	6.66	0.81	0.12	-1.19	0.04	6.44
RAILWAYS_NR ISTS	2.63	0.87	0.15	0.32	0.01	3.98
TOTAL	755.19	119.54	2.78	31.7	51.69	961.05

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	5,611.01	4,813.55	1,441.28	582.1	14.5	0	0	0
HARYANA	6,840.65	5,137.41	2,694.19	2,001.01	122.67	0	0	0
RAJASTHAN	5,269.01	2,910.88	972.56	538.84	47.5	-28.47	0	0
DELHI	4,595.88	3,216.17	903.18	546.14	350.04	0	0	0
UTTAR PRADESH	10,582.68	6,386.34	1,831.64	-23.17	366.91	-4.7	3.38	0
UTTARAKHAND	1,366.78	774.81	-202.46	-245	-3.2	-6.2	0	0
HIMACHAL PRADESH	970.59	61.56	7.39	-471.16	-21.42	-63.3	0	0
J&K(UT) & Ladakh(UT)	1,846.72	1,581.98	0	-313	0	-48.3	0	0
CHANDIGARH	370.56	205.84	58.54	0	48.34	0	0	0
RAILWAYS_NR ISTS	125.15	104.8	36.21	36.21	29	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	774.81	-495.9	0	-168.52	3,266.43	-390.23	0	-100
HARYANA	487.7	-378.16	0	-739.24	531.68	-480	0	0
RAJASTHAN	689.49	-27.6	0	0	1,511.24	-600.7	0	0
DELHI	900.96	-103.42	0	0	770.17	-76.96	0	0
UTTAR PRADESH	2,926.15	-63.09	0	0	3,363.32	-144.49	0	0
UTTARAKHAND	633.19	58.58	0	0	244.39	-36.79	0	0
HIMACHAL PRADESH	-10.17	-73	0	0	232.09	-202.51	0	0
J&K(UT) & LADAKH(UT)	0	-16.3	0	0	116	-830	0	0
CHANDIGARH	48.34	-130	0	0	26.1	0	0	0
RAILWAYS_NR ISTS	29	0	0	0	11.28	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	510.42	1,575	502.39	1,193	800.29	910.44
Chamera-I	748.75	760	753.95	756.96	9	-	-	214.52	247.52
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.3	5	611.1	5	215.38	232.3
Pong	384.05	426.72	1,084	423.77	1,066	415.66	706	489.63	483.62
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	524.6	361	498.3	82	268.55	299.33
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	828.86	1,140	828.62	1,135	321.66	217
TOTAL	-	-	-	-	4,156	-	3,121	2,310.03	2,390.21

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	0.35
Simultaneous	0
Delhi	0
Rajasthan	1.04
UP	0
Punjab	0
Haryana	0

ii)%age of times ATC violated on the inter and intra regional corridors

WR	0
ER	5.56
Simultaneous	0
Delhi	0
Rajasthan	7.99
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	0
DELHI	0	0
HARYANA	0	0
HIMACHAL PRADESH	4	15
J&K(UT) & Ladakh(UT)	0	0
PUNJAB	7	12
RAJASTHAN	7	10
UTTAR PRADESH	0	0
UTTARAKHAND	0	0

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	4,600	3,595	5246	19:15:00	89.74	3,739
NCR_DRAWAL	-	14,482	12,981	15947	14:45:00	336.13	14,005
NCR_DEMAND	-	19,082	16,576	19670	19:15:00	425.87	17,745
LADAKH_DEMAND	-	9	-8	11	19:15:00	-0.04	-2

12. RE/Load Curtailment details

State	Load Curtailment (Shortage)			RE Curtailment				
	Energy	Maximum	At the time of maximum demand	Wind		Solar		Reason
	MU	MW	MW	Max MW	Energy(MU)	Max MW	Energy(MU)	
CHANDIGARH	0	0	0	0	0	0	0	
DELHI	0	0	0	0	0	0	0	
HARYANA	0	0	0	0	0	0	0	
HIMACHAL PRADESH	0	0	0	0	0	0	0	
J&K(UT) & Ladakh(UT)	0	0	0	0	0	0	0	
PUNJAB	0	0	0	0	0	0	0	
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	
RAJASTHAN	0	0	0	0	0	0	0	
UTTAR PRADESH	0	0	0	0	0	0	0	
UTTARAKHAND	0	0	0	0	0	0	0	

13.Grid Disturbance / Any Other Significant Event:

14.Weather Conditions :

15.Synchronisation of new generating units :

16.Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

17.Instances of persistent/significant non-complaint with the grid code

18.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