



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

Power Supply Position in Northern Region For 28-Jul-2025

Date of Reporting:29-Jul-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
80,796	0	80,796	50.05	72,397	0	72,397	50.06	1,824	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	102.95	21.2	0	4.22	0	1.85	130.21	220.25	219.52	-0.73	349.73	0	349.73
HARYANA	65.08	1.04	0.93	0.97	0	0.8	68.83	222.22	219.96	-2.26	288.79	0	288.79
RAJASTHAN	114.49	3.77	1.75	22.73	28.98	5.73	177.44	126.29	117.14	-9.15	294.58	0	294.58
DELHI	0	0	12.08	0	0	1.84	13.92	140.37	138.75	-1.62	152.67	0	152.67
UTTAR PRADESH	285.2	24.5	0	9.5	0	0.8	320	263.56	263.54	-0.02	583.54	0	583.54
UTTARAKHAND	0	24.73	0	0.34	0	0	25.06	26.76	27.62	0.86	52.68	0	52.68
HIMACHAL PRADESH	0	40.51	0	0.18	0	0	40.69	-2.43	-3.3	-0.87	37.39	0	37.39
J&K(UT) & Ladakh(UT)	0	24.87	0	0	0	0	24.87	29.78	29.03	-0.75	53.9	0	53.9
CHANDIGARH	0	0	0	0	0	0	0	7.34	7.29	-0.05	7.29	0	7.29
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.76	3.89	0.13	3.89	0	3.89
Region	567.72	140.62	14.76	37.94	28.98	11.02	801.02	1,037.9	1,023.44	-14.46	1,824.46	0	1,824.46

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	12,599	0	173	1,951	14,636	12,942	0	-660	3,685
HARYANA	12,465	0	-306	2,982	12,141	11,453	0	-214	3,116
RAJASTHAN	13,125	0	-89	834	12,292	11,109	0	-395	591
DELHI	6,726	0	-51	1,691	6,349	5,879	0	173	1,682
UTTAR PRADESH	28,795	0	-118	3,452	24,299	25,651	0	-182	1,960
UTTARAKHAND	2,337	0	-87	-56	2,191	2,017	0	13	-393
HIMACHAL PRADESH	1,574	0	-22	-214	1,557	1,263	0	-15	-607
J&K(UT) & Ladakh(UT)	2,659	0	-55	-202	2,246	1,664	0	7	-1,165
CHANDIGARH	339	0	-6	-8	304	250	0	1	-58
RAILWAYS_NR ISTS	179	0	10	61	162	170	0	1	61
Region	80,798	0	-551	10,491	76,177	72,398	0	-1,271	8,872

2(C)State's Demand Met in MWs (Maximum Demand Met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day						ACE			
	Maximum Demand Met of the day	Time	Shortage during at maximum demand	Requirement at the max demand met of the day	Maximum Requirement of the day	Time	Shortage during at maximum Requirement	Demand Met at maximum requiremnet	Min Demand Met	Time	ACE_MAX	Time	ACE_MIN	Time
PUNJAB	16,677	12:00	0	16,677	16,677	12:00	0	16,677	12,508	19:00	600.95	18:29:00	-662.59	18:16:00
HARYANA	13,998	14:00	0	13,998	13,998	14:00	0	13,998	10,963	1:00	479.6	08:01:00	-418.07	10:01:00
RAJASTHAN	13,363	22:00	0	13,363	13,363	22:00	0	13,363	10,943	4:00	1,415.07	12:29:00	-317.16	19:27:00
DELHI	7,375	15:00	0	7,375	7,375	15:00	0	7,375	5,151	7:00	338.27	22:25:00	-278.07	18:18:00
UP	29,172	21:00	0	29,172	29,172	21:00	0	29,172	18,686	7:00	893.7	19:01:00	-1,446.79	19:14:00
UTTARAKHA ..	2,337	20:00	0	2,337	2,337	20:00	0	2,337	2,012	4:00	211.05	14:47:00	-297.83	23:38:00
HP	1,799	9:00	0	1,799	1,799	9:00	0	1,799	1,263	3:00	183.91	21:24:00	-203.95	17:25:00
J&K(UT)&Lad ..	2,659	20:00	0	2,659	2,659	20:00	0	2,659	1,630	4:00	466.97	21:59:00	-199.94	14:21:00
CHANDIGARH	342	11:00	0	342	342	11:00	0	342	235	5:00	39.63	00:33:00	-25.12	09:44:00
RAILWAYS_NR ISTS	204	22:00	0	204	204	22:00	0	204	107	12:00	0	-	0	-
NR	81,570	22:00	0	81,570	81,570	22:00	0	81,570	68,347	7:00	0	-	0	-

3(A) State Entities Generation:

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

DELHI										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAWANA GPS( 2 * 253 + 4 * 216 )	1,370	267	267	296.85	22:00	0		6.78	6.49	270
DELHI GAS TURBINES( 3 * 34 + 6 * 30 )	282	37	70	70.82	07:00	0		1.46	1.37	57
PRAGATI GAS TURBINES( 1 * 121.2 + 2 * 104.6 )	331	146	147	287.57	14:00	0		4.34	4.21	175
RITHALA GPS( 3 * 36 )	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	450	484					12.58	12.07	502
WIND	0	0	0	0		0				
BIOMASS( 52 )	52	57	62	0		0		1.87	1.84	77
SOLAR( 2 )	2	0	0	0		0				
Total DELHI	2,145	507	546					14.45	13.91	579

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	485	342	535	23:00	342	08:00	10.94	9.89	412
JHAJJAR(CLP)( 2 * 660 )	1,320	1,095	814	1,222	21:00	743	11:00	25.66	23.99	1,000
MAGNUM DIESEL (IPP)( 4 * 6.3 )	25	0	0	0		0				
PANIPAT TPS( 1 * 210 + 2 * 250 )	710	576	529	635	21:00	523	06:00	13.78	12.46	519
RGTPP( KHEDAR)( 2 * 600 )	1,200	870	711	997	22:00	716	07:00	19.34	18.74	781
Total THERMAL	3,855	3,026	2,396					69.72	65.08	2,712
FARIDABAD GPS( 1 * 156.07 + 2 * 137.75 )	432	200	0	200	20:00	16	18:00	0.93	0.93	39
Total GAS/NAPTHA/DIESEL	432	200	0					0.93	0.93	39
TOTAL HYDRO HARYANA(64.8)	65	42	41	42	09:00	38	12:00	1.04	1.04	43
Total HYDEL	65	42	41					1.04	1.04	43
WIND	0	0	0	0		0				
BIOMASS( 106 )	106	0	0	0		0		0.8	0.8	33
SOLAR(196)	196	0	0	0		0		0.97	0.97	40
Total HARYANA	4,654	3,268	2,437					73.46	68.82	2,867

HIMACHAL PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAJOLI HOLI(3*60)	180	198	181	199	17:00	108	11:00	4.05	4.05	169
BASPA (IPP) HPS( 3 * 100 )	300	324	325	325	01:00	315	23:30	7.77	7.68	320
MALANA (IPP) HPS( 2 * 43 )	86	95	95	95	01:00	39	11:00	1.94	1.94	81
MALANA2( 2 * 50 )	100	0	0	0		0				
SAWARA KUDDU( 3 * 37 )	111	93	38	111	08:00	37	04:00	1.81	1.81	75
OTHER HYDRO HP( 503.75 )	504	101	411	0		0		7.96	7.93	330
Total HYDEL	1,281	811	1,050					23.53	23.41	975
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR( 1 * 19 )	19	0	0	0		0		0.18	0.18	8
SMALL HYDRO( 765.25 )	765	649	638	0		0		17.13	17.11	713
Total SMALL HYDRO	765	649	638					17.13	17.11	713
Total HP	2,065	1,460	1,688					40.84	40.7	1,696

J&K(UT) & LADAKH(UT)										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAS/DIESEL/OTHERS J&K( 1 * 190 )	190	0	0	0		0				
Total GAS/NAPTHA/DIESEL	190	0	0					0	0	0
BAGLIHAR (IPP) HPS( 6 * 150 )	900	0	0	0		0		21.33	21.33	889
OTHER HYDRO/IPP J&K( 308 )	308	0	0	0		0		3.54	3.54	148
Total HYDEL	1,208	0	0					24.87	24.87	1,037
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR	0	0	0	0		0				
SMALL HYDRO( 98 )	98	0	0	0		0				
Total SMALL HYDRO	98	0	0					0	0	0
Total J&K(UT)&Ladakh(UT)	1,496	0	0					24.87	24.87	1,037

PUNJAB										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GOINDWAL(GVK)( 2 * 270 )	540	491	355	491	01:00	290	04:00	12.28	11.2	467
GURU GOBIND SINGH TPS (ROPAR)( 4 * 210 )	840	544	586	663	07:00	526	18:00	15.51	13.89	579
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)( 2 * 210 + 2 * 250 )	920	823	621	828	01:00	621	03:00	20.92	19.08	795
RAJPURA(NPL) TPS( 2 * 700 )	1,400	1,320	1,320	1,320	01:00	1,320	01:00	33	31.54	1,314
TALWANDI SABO TPS( 3 * 660 )	1,980	1,228	1,075	1,228	12:00	616	05:00	29.32	27.25	1,135
Total THERMAL	5,680	4,406	3,957					111.03	102.96	4,290
ANANADPUR SAHIB HYDRO PLANT( 2 * 33.5 + 2 * 33.5 )	134	115	116	116	01:00	113	07:00	2.8	2.79	116
MUKERIAN HYDRO PLANT( 6 * 15 + 6 * 19.5 + 2 * 9 )	225	208	207	208	07:00	207	01:00	4.99	4.99	208
RANJIT SAGAR POWER PLANT ( 4 * 150 )	600	560	0	560	01:00	0	02:00	7.33	7.3	304
SHANAN( 4 * 15 + 1 * 50 )	110	60	60	60	01:00	60	01:00	1.45	1.45	60
UBDC( 3 * 15 + 3 * 15.5 )	92	82	82	82	01:00	82	01:00	1.97	1.97	82
OTHER HYDRO PUNJAB	0	0	0	0		0		2.7	2.7	113
Total HYDEL	1,161	1,025	465					21.24	21.2	883
WIND	0	0	0	0		0				
BIOMASS( 303 )	303	0	0	0		0		1.85	1.85	77
SOLAR( 881 )	881	43	57	491	12:00	43	19:00	4.22	4.22	176
Total PUNJAB	8,025	5,474	4,479					138.34	130.23	5,426

RAJASTHAN										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BARSINGSAR (IPP) LTPS( 2 * 125 )	250	219	214	220	19:00	211	06:00	5.8	5.14	214
CHHABRA TPS( 2 * 660 + 4 * 250 )	2,320	1,246	1,172	1,265	11:00	1,121	15:00	31.05	28.26	1,178
GIRAL (IPP) LTPS( 2 * 125 )	250	0	0	0		0				
KALISINDH TPS( 2 * 600 )	1,200	438	328	443	22:00	315	12:00	9.5	8.68	362
KAWAI TPS( 2 * 660 )	1,320	1,128	1,006	1,194	23:00	719	13:00	22.46	21.01	875
KOTA TPS( 2 * 110 + 2 * 195 + 3 * 210 )	1,240	828	718	868	21:00	719	09:00	20.95	18.57	774
RAJWEST (IPP) LTPS( 8 * 135 )	1,080	725	736	752	08:00	549	14:00	18.65	18.65	777
SURATGARH TPS ( 6 * 250 + 2 * 660(SSCTPS))	2,820	724	586	811	00:00	460	13:00	15.53	14.18	591
VSLPP (IPP)( 1 * 135 )	135	0	0	0		0				
Total THERMAL	10,615	5,308	4,760					123.94	114.49	4,771
DHOLPUR GPS( 3 * 110 )	330	0	0	0		0				
RAMGARH GPS( 1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5 )	271	69	70	70	05:00	68	16:00	1.82	1.75	73
Total GAS/NAPTHA/DIESEL	601	69	70					1.82	1.75	73
RAPS-A( 1 * 100 + 1 * 200 )	300	148	149	150	09:00	147	15:00	3.92	3.59	150
Total NUCLEAR	300	148	149					3.92	3.59	150
TOTAL HYDRO RAJASTHAN( 550 )	550	207	175	207	20:00	99	08:00	3.78	3.77	157
Total HYDEL	550	207	175					3.78	3.77	157
WIND( 1 * 4328 )	4,328	875	1,175	1,583	00:00	1,028	08:00	28.98	28.98	1,208
BIOMASS( 102 )	102	89	89	89	01:00	89	06:00	2.13	2.13	89
SOLAR(4568)	4,568	41	0	3,417	16:00	0	06:00	22.73	22.73	947
Total RAJASTHAN	21,064	6,737	6,418					187.3	177.44	7,395

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	1,135	1,337	1,369	06:00	1,124	23:00	30.6	28.4	1,183
ANPARA-C TPS( 2 * 600 )	1,200	1,087	1,092	1,110	01:00	1,031	13:00	28.1	26	1,083
ANPARA-D TPS( 2 * 500 )	1,000	938	938	943	18:00	921	10:00	23.9	22.4	933
BAJAJ ENERGY PVT LTD (IPP) TPS( 10 * 45 )	450	393	340	406	11:00	226	01:00	7.1	6.4	267
BARA PPGCL TPS( 3 * 660 )	1,980	1,707	1,732	1,747	01:00	1,639	15:00	44	40.7	1,696
GHATAMPUR TPS (1*660)	660	383	0	408	23:59	0	01:00	2.5	2.2	92
HARDUAGANJ TPS( 1 * 110 + 2 * 250 + 1*660)	1,270	958	483	958	20:00	311	07:00	14.6	13.2	550
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	0	0	0		0				
JP CHURK( 3 * 60 )	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	582	567	614	11:00	523	14:00	15.6	14.1	588
LALITPUR TPS( 3 * 660 )	1,980	1,843	1,806	1,848	06:00	1,477	13:00	44.9	42.1	1,754
MEJA TPS( 2 * 660 )	1,320	1,163	1,214	1,223	23:59	686	16:00	26.6	24.9	1,038
OBRA TPS ( 5 * 200+1*660 )	1,660	1,117	1,020	1,315	10:00	984	01:00	29.9	26.9	1,121
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS( 2 * 210 + 2 * 250 )	920	802	794	802	20:00	484	09:00	16.9	15.4	642
ROSA TPS( 4 * 300 )	1,200	1,082	1,071	1,084	10:00	590	08:00	24.6	22.5	938
TANDA TPS( 4 * 110 )	440	0	0	0		0				
Total THERMAL	19,190	13,190	12,394					309.3	285.2	11,885
ALAKHANANDA HEP( 4 * 82.5 )	330	347	345	349	13:00	343	08:00	8.3	8.3	346
RIHAND HPS( 6 * 50 )	300	235	215	255	22:00	125	08:00	4.9	4.9	204
VISHNUPARYAG HPS( 4 * 110 )	440	0	396	436	04:00	0	17:00	7.2	7.2	300
OTHER HYDRO UP( 227 )	227	148	174	182	23:00	152	20:00	4.1	4.1	171
Total HYDEL	1,297	730	1,130					24.5	24.5	1,021
WIND	0	0	0	0		0				
BIOMASS( 26 )	26	0	0	0		0				
SOLAR( 2430)	2,642	0	0	1,086	12:00	0	01:00	9.5	9.5	396
CO-GENERATION( 1360 )	1,360	35	35	35	01:00	0		0.8	0.8	33
Total OTHERs	1,360	35	35					0.8	0.8	33
Total UP	24,515	13,955	13,559					344.1	320	13,335

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	1,084	984	1,084	20:00	693	00:00	24.81	24.73	1,030
Total HYDEL	1,250	1,084	984					24.81	24.73	1,030
WIND	0	0	0	0		0				
BIOMASS( 127 )	127	0	0	0		0				
SOLAR( 278)	278	0	0	72	14:00	6	17:00	0.34	0.34	14
SMALL HYDRO( 180 )	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,084	984					25.15	25.07	1,044

(B) Regional Entities Generation														
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy				AVG. MW	UI( Actual-Schedule-(-+ AGC))
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen ACT (MU)	Net Gen ACT MU)	AGC(MU)		
Aravali Power Company Private Ltd														
ISTPP (JHAJJAR)( 3 * 500 )	1,500	1,411	1,488	822	1,508	19:45	816	11:30	21.83	23.56	21.84	0.13	910	-0.12
Sub-Total	1,500	1,411	1,488	822	-	-	-	-	21.83	23.56	21.84	0.13	910	-0.12
BBMB														
BHAKRA HPS( 5 * 126 + 5 * 157 )	1,415	1,392	1,419	840	1,419	20:00	836	10:00	22.9	23.38	23.08	0	962	0.18
DEHAR HPS( 6 * 165 )	990	480	495	470	495	20:00	495	10:00	11.14	11.6	11.29	0	470	0.15
PONG HPS( 6 * 66 )	396	353	360	360	360	20:00	310	10:00	7.92	8.12	7.91	0	330	-0.01
Sub-Total	2,801	2,225	2,274	1,670	-	-	-	-	41.96	43.1	42.28	0	1,762	0.32
INFIRM														
TEHRI PSP	1,000	200	200	0	200	-	0	-	0.9	0.66	0.88	0	37	-0.02
Sub-Total	1,000	200	200	0	-	-	-	-	0.9	0.66	0.88	0	37	-0.02
NHPC														
BAIRASIUL HPS( 3 * 60 )	180	186	185	120	186	23:30	61.04	15:15	3.7	3.8	3.76	0	157	0.06
CHAMERA I HPS( 3 * 180 )	540	535	0	0	0	-	0	-	12.81	12.04	12.04	0	502	-0.77
CHAMERA II HPS( 3 * 100 )	300	312	299	300	304	09:00	0	-	7.16	7.21	7.16	0	298	0
CHAMERA III HPS( 3 * 77 )	231	240	231	232	236	02:00	0	-	5.51	5.59	5.53	-0.03	230	0.05
DHAULIGANGA HPS( 4 * 70 )	280	292	281	278	284	06:00	269.9	13:00	6.69	6.75	6.73	0	280	0.04
DULHASTI HPS( 3 * 130 )	390	385	378	373	379	18:00	371.5	08:00	8.93	9.01	8.9	0	371	-0.03
KISHANGANGA( 3 * 110 )	330	336	335	326	335	22:00	0	-	7.85	7.89	7.86	0	328	0.01
PARBATI III HEP( 4 * 130 )	520	200	392	229	392	22:00	224.7	13:00	3.96	6.51	6.47	0	270	2.51
PARBATI-II( 4 * 200 )	800	-	201	173	202	22:00	168.4	02:00	-	4.25	4.13	0	172	-
SALAL HPS( 6 * 115 )	690	720	661	582	700	21:00	472	12:00	14.23	14.47	14.31	0	596	0.08
SEWA-II HPS( 3 * 40 )	120	126	125	122	126	19:00	0	-	2.85	2.94	2.91	0	121	0.06
TANAKPUR HPS( 1 * 31.42 + 2 * 31.4 )	94	93	103	102	104	04:00	0	-	2.14	2.35	2.31	0	96	0.17
URI HPS( 4 * 120 )	480	440	447	456	466	11:45	368	11:15	10.66	10.93	10.85	0	452	0.19
URI-II HPS( 4 * 60 )	240	195	223	223	223	16:00	222.38	02:00	4.82	5.35	5.31	0	221	0.49
Sub-Total	5,195	4,060	3,861	3,516	-	-	-	-	91.31	99.09	98.27	-0.03	4,094	2.86
NPCL														
NAPS( 2 * 220 )	440	191	210	216	218	04:00	210	19:00	4.58	5.11	4.53	0	189	-0.05
RAPP-D	700	260	0	0	0	-	0	-	6.24	7.42	6.17	0	257	-0.07
RAPS-B( 2 * 220 )	440	363	405	415	417	-	403	19:00	8.71	9.85	8.73	0	364	0.02
RAPS-C( 2 * 220 )	440	405	449	448	449	07:00	448	15:00	9.72	10.8	9.69	0	404	-0.03
Sub-Total	2,020	1,219	1,064	1,079	-	-	-	-	29.25	33.18	29.12	0	1,214	-0.13
NTPC														
ANTA GPS( 1 * 153.2 + 3 * 88.71 )	419	376	209	0	239	20:14	0	-	0.77	0.78	0.69	0	29	-0.08
AURAIYA GPS( 2 * 109.3 + 4 * 111.19 )	663	610	263	0	263	20:00	0	-	1.23	1.18	1.1	0	46	-0.13
DADRI GPS( 2 * 154.51 + 4 * 130.19 )	830	780	0	0	391	-	0	-	1.58	1.45	1.35	0	56	-0.23
DADRI-I TPS( 4 * 210 )	840	576	0	0	0	-	0	-	7.84	9.26	8.34	0	348	0.5
DADRI-II TPS( 2 * 490 )	980	919	0	0	0	-	0	-	14.09	15.13	14.02	0	584	-0.07
KOLDAM HPS( 4 * 200 )	800	871	859	869	871	14:00	0	-	20.91	21	20.88	0	870	-0.03
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	2.17	1.22	1.22	0	51	-0.95
RIHAND-I STPS( 2 * 500 )	1,000	920	982	920	1,002	01:00	551	13:00	20.25	21.85	19.89	-0.09	829	-0.27
RIHAND-II STPS( 2 * 500 )	1,000	943	971	934	1,009	01:00	546	13:00	20.63	21.11	19.77	-0.15	824	-0.71
RIHAND-III STPS( 2 * 500 )	1,000	943	985	922	1,010	07:00	544	13:00	20.94	21.94	20.67	-0.17	861	-0.1
SINGRAULI HYDRO( 1 * 8 )	8	0	0	0	0	-	0	-	0	0	0	0	0	0
SINGRAULI STPS( 2 * 500 + 5 * 200 )	2,000	915	1,012	992	1,012	20:00	587	14:00	19.91	22.14	19.46	0	811	-0.45
TANDA TPS STAGE-II( 2 * 660 )	1,320	1,244	1,317	751	1,317	20:00	0	-	21.97	23.5	21.85	0	910	-0.12
UNCHAHAH II TPS( 2 * 210 )	420	379	377	260	377	20:00	0	-	6.11	7.01	6.22	0.26	259	-0.15
UNCHAHAH III TPS( 1 * 210 )	210	191	206	122	206	20:00	0	-	3.18	3.59	3.21	0.09	134	-0.06
UNCHAHAH IV TPS( 1 * 500 )	500	466	461	286	461	20:00	0	-	7.92	8.57	7.87	0.18	328	-0.23
UNCHAHAH TPS( 2 * 210 )	420	365	391	244	391	20:00	0	-	5.87	6.69	5.7	0	238	-0.17
Sub-Total	12,655	10,498	8,033	6,300	-	-	-	-	175.37	186.42	172.24	0.12	7,178	-3.25
SJVNL														
NATHPA-JHAKRI HPS( 6 * 250 )	1,500	1,630	1,634	1,629	1,649	11:00	1,621	22:00	38.81	39.45	39.16	0	1,632	0.35
RAMPUR HEP( 6 * 68.67 )	412	449	450	451	451	01:00	443	17:00	10.54	10.88	10.8	0	450	0.26
Sub-Total	1,912	2,079	2,084	2,080	-	-	-	-	49.35	50.33	49.96	0	2,082	0.61
THDC														
KOTESHWAR HPS( 4 * 100 )	400	396	396	179	396	20:00	89	08:00	4.43	4.55	4.54	0.06	189	0.05

TEHRI HPS( 4 * 250 )	1,000	880	873	858	885	23:00	0	08:00	11.67	11.88	11.83	0.01	493	0.15
Sub-Total	1,400	1,276	1,269	1,037	-	-	-	-	16.1	16.43	16.37	0.07	682	0.2
Total	28,483	22,968	20,273	16,504					426.07	452.77	430.96	0.29	17,959	0.47

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	104	111	113	211	01:00	0	-	4.04	2.84	2.82	118	-1.22
BUDHIL HPS (IPP)( 2 * 35 )	70	69	78	77	78	20:00	65.01	13:00	1.79	1.81	1.8	75	0.01
KARCHAM WANGTOO HPS( 4 * 261.25 )	1,045	1,126	1,140	1,140	1,140	20:00	1,140	11:00	27.03	27.19	27.01	1,125	-0.02
SAINJ HEP( 2 * 50 )	100	0	0	0	0	-	0	00:00	0	0	0	0	0
SHREE CEMENT (IPP) TPS( 2 * 150 )	300	336	0	0	0	-	0	-	3.79	4.02	3.7	154	-0.09
SINGOLI BHATWARI HEP( 3 * 33 )	99	107	107	107	107	19:00	0	-	2.32	2.61	2.59	108	0.27
SORANG HYDROELECTRIC PROJECT( 2 * 50 )	100	100	103	108	108	01:00	0	-	2.41	2.35	2.34	98	-0.07
Sub-Total	1,906	1,842	1,539	1,545	-	-	-	-	41.38	40.82	40.26	1,678	-1.12
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.43	1.5	1.5	63	-0.93
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.4	1.42	1.42	59	0.02
ACME CHITTORGARH SOLAR ENERGY PVT LTD( 1 * 250 )	250	0	0	0	197	15:13	0	-	1.09	1.03	1.03	43	-0.06
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	0	-	0	-	1.27	1.11	1.11	46	-0.16
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	1.52	1.66	1.66	69	0.14
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	1.28	1.11	1.11	46	-0.17
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	0	-	0	-	1.19	1.1	1.1	46	-0.09
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.49	1.45	1.45	60	-0.04
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	0	-	0	-	1.2	1.1	1.1	46	-0.1
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.51	0.49	0.49	20	-0.02
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.49	0.48	0.48	20	-0.01
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	0	-	0	-	2.14	1.51	1.51	63	-0.63
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)( 1 * 200 )	200	0	0	0	206	13:18	0	-	0.84	0.95	0.95	40	0.11
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	154	13:00	0	-	1	1.16	1.16	48	0.16
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	141	11:15	0	-	0.95	1.12	1.12	47	0.17
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.24	0.24	0.24	10	0
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	14:26	0	-	0.54	0.71	0.71	30	0.17
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	73	16:33	0	-	0.65	0.47	0.46	19	-0.19
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	115	14:51	0	-	0.65	0.66	0.66	28	0.01
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	1.25	1.06	1.06	44	-0.19
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.51	0.48	0.48	20	-0.03
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	92	14:49	0	-	0.54	0.61	0.6	25	0.06
AURAIYA SOLAR( 1 * 40 )	40	0	0	0	0	-	0	-	0.17	0.16	0.16	7	-0.01
AVAADA RIJN PRIVATE LIMITED(1*240)	240	0	0	0	243	12:30	0	-	1.51	1.71	1.71	71	0.2
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER( 1 * 350 )	350	0	0	0	353	11:45	0	-	2.18	2.5	2.5	104	0.32
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	326	12:12	0	-	1.68	1.88	1.87	78	0.19
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	304	12:10	0	-	1.98	2.15	2.15	90	0.17
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	301	11:24	0	-	1.98	2.26	2.26	94	0.28
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	267	15:12	0	-	1.57	1.75	1.75	73	0.18
AZURE POWER FORTY THREE PRIVATE LIMITED( 1 * 150 + 1 * 150 + 1 * 300 )	600	0	0	0	587	13:45	0	-	3.96	3.97	3.97	165	0.01
AZURE POWER INDIA PVT LTD.( 4 * 50 )	200	0	0	0	176	14:51	0	-	0.73	0.79	0.79	33	0.06
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	276	13:10	0	-	1.21	1.43	1.43	60	0.22
AZURE POWER THIRTY FOUR PRIVATE LTD( 1 * 130 )	130	0	0	0	118	13:37	0	-	0.53	0.62	0.62	26	0.09
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1.03	1.64	1.64	68	0.61
CLEAN SOLAR POWER (BHADLA) PVT LTD( 1 * 300 )	300	0	0	0	296	14:30	0	-	1.31	1.41	1.41	59	0.1
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	150	16:37	0	-	1.11	1	1	42	-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	-	0.92	0.6	0.6	25	-0.32
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	156	15:45	0	-	0.81	0.96	0.95	40	0.14
EDEN RENEWABLE CITE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	139	13:11	0	-	1.13	0.96	0.96	40	-0.17
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	210	16:08	0	-	1.41	1.09	1.07	45	-0.34
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.46	1.38	1.38	58	-0.08
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	90	14:49	0	-	0.54	0.59	0.58	24	0.04
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	88	15:11	0	-	0.53	0.53	0.53	22	0
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.29	1.22	1.22	51	-0.07
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	44	14:58	0	-	0.26	0.25	0.25	10	-0.01
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	179	14:38	0	-	0.98	1.12	1.11	46	0.13
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.47	1.28	1.28	53	-0.19
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	2.77	2.77	2.77	115	0
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED( 1 * 50 )	50	0	0	0	45	15:09	0	-	0.21	0.23	0.23	10	0.02
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED( 1 * 50 )	50	0	0	0	46	13:22	0	-	0.26	0.24	0.24	10	-0.02
M/S AZURE POWER FORTY ONE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	188	16:00	0	-	1.31	1.13	1.13	47	-0.18
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	90	14:46	0	-	0.54	0.6	0.6	25	0.06
MEGA SOILS RENEWABLE PRIVATE LIMITED( 1 * 250 )	250	0	0	0	0	-	0	-	1.09	1.24	1.24	52	0.15
MEGA SURYAURJA PVT LTD( 1*250 )	250	0	0	0	0	-	0	-	1.22	1.22	1.22	51	0
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.29	0.44	0.44	18	0.15
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.79	0.54	0.54	23	-0.25
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.38	1.3	1.3	54	-0.08
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)( 1 * 300 )	300	0	0	0	183	16:49	0	-	1.19	0.94	0.94	39	-0.25
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	242	14:53	0	-	1.46	1.71	1.71	71	0.25
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	185	16:50	0	-	0.9	0.96	0.96	40	0.06
RENEW SOLAR POWER PVT LTD( 50 )	50	0	0	0	239	12:58	0	-	0.21	0.25	0.25	10	0.04
RENEW SOLAR POWER PVT LTD. BIKANER( 1 * 250 )	250	0	0	0	0	-	0	-	1.57	1.68	1.68	70	0.11
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	162	16:23	0	-	1	0.96	0.96	40	-0.04
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	167	13:33	0	-	1.06	0.83	0.83	35	-0.23
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	0.85	0.58	0.58	24	-0.27
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	136	14:08	0	-	0.73	0.58	0.58	24	-0.15
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.44	1.14	1.14	48	-0.3
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	72	14:08	0	-	0.36	0.28	0.28	12	-0.08
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	0	-	0	-	0.76	0.87	0.87	36	0.11
SB ENERGY FOUR PVT LTD( 2 * 100 )	200	0	0	0	180	13:44	0	-	0.83	0.84	0.84	35	0.01
SB ENERGY SIX PRIVATE LIMITED( 1 * 300 )	300	0	0	0	270	14:48	0	-	1.21	1.35	1.35	56	0.14
SJVN GREEN ENERGY LIMITED	242	0	0	0	436	14:34	0	-	2.03	2.79	2.75	115	0.72
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED _BKN2	168	0	0	0	0	-	0	-	1.05	1.09	1.09	45	0.04
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	231	15:21	0	-	1.41	1.43	1.43	60	0.02
SINGRAULI SOLAR( 15 )	15	0	0	0	0	-	0	-	0.04	0.04	0.04	2	0
SOLZEN URJA PRIVATE LIMITED( 1 * 300 )	300	0	0	0	121	14:23	0	-	0.87	0.75	0.75	31	-0.12
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	86	14:53	0	-	0.15	0.52	0.52	22	0.37
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	229	11:12	0	-	1.43	1.53	1.53	64	0.1
TATA POWER RENEWABLE ENERGY LTD( 1 * 300 )	300	0	0	0	140	16:59	0	-	1.17	0.9	0.9	38	-0.27
TATA POWER SAURYA LIMITED	110	0	0	0	93	09:42	0	-	0.56	0.6	0.6	25	0.04
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	297	10:35	0	-	1.97	2.18	2.18	91	0.21
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.37	0.54	0.54	23	0.17
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	105	15:04	0	-	0.59	0.61	0.61	25	0.02
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	53	15:17	0	-	0.29	0.31	0.31	13	0.02
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.35	0.28	0.28	12	-0.07
UNCHAHAR SOLAR( 10 )	10	0	0	0	0	-	0	-	0.02	0.02	0.02	1	0
XL XERGI POWER PRIVATE LIMITED	400	0	0	0	152	13:52	0	-	1.2	0.67	0.66	28	-0.54



Sub-Total	18,398	0	0	0	-	-	-	-	91.88	91.63	91.5	3,817	-0.38
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	395	17:08	0	-	3.45	2.2	2.19	91	-1.26
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	4.99	5.3	5.3	221	0.31
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	211	16:29	0	-	1.16	1.24	1.24	52	0.08
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	44	43	84	05:15	0	-	0.94	1.26	1.26	53	0.32
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	273	-	0	-	1.02	1.21	1.21	50	0.19
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	27	35	70	08:00	0	-	0.77	0.93	0.93	39	0.16
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	234	17:15	0	-	0.98	1.23	1.23	51	0.25
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	29	32	64	07:15	0	-	0.78	1.05	1.05	44	0.27
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	187	13:50	0	-	1.44	1.12	1.12	47	-0.32
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	37	82	102	02:15	0	-	1.02	1.36	1.36	57	0.34
Sub-Total	2,846	0	137	192	-	-	-	-	16.55	16.9	16.89	705	0.34
Total	23,150	1,842	1,676	1,737					149.81	149.35	148.65	6,200	-1.16

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	32,485	30,111	848.51	801.04	33,379
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6,527	6,895	467.31	467.31	14,790
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-2	-31	0.34	0.34	-6
Total Regional Availability(Gross)	118,107	60,959	55,216	1,918.28	1,848.3	72,322

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,086	10,717	267.41	265.2	11,051
State Control Area Hydro	7,855	4,548	4,483	140.9	140.63	5,859
Total Regional Hydro	22,577	16,634	15,200	408.31	405.83	16,910

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,489	137	192	109.75	109.61	4,573
State Control Area Renewable	13,630	1,105	1,383	73.57	73.54	3,065
Total Regional Renewable	35,119	1,242	1,575	183.32	183.15	7,638

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,623	0	0	99.85	99.71	4,159
State Control Area Solar	8,586	84	57	37.94	37.94	1,581
Total Solar	29,209	84	57	137.79	137.65	5,740

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	137	192	9.9	9.9	414
State Control Area Wind	4,328	875	1,175	28.98	28.98	1,208
Total Wind	5,194	1,012	1,367	38.88	38.88	1,622

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)	30	29	-	32	0	0.62	-0.62
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.42	0	1.42
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	1.05	0	1.05
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0.9	0	0.9
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	2.17	0	2.17
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	8.7	0	8.7
10	400KV-Gorakhpur (UP)-Motihari(DMT)	314	360	420	0	5.72	0	5.72
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	546	713	789	0	12.22	0	12.22
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	2.88	0	2.88

Import/Export between EAST REGION and NORTH REGION								
13	400KV-Varanasi (PG)-Sasaram(PG)	-52	-49	93	0	1.54	0	1.54
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	13.44	0	13.44
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	2.73	0	2.73
16	765KV-Varanasi (PG)-Gaya(PG)	-475	-605	-710	215	5.77	0	5.77
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	16.71	0	16.71
Sub-Total EAST REGION		363	448	592	247	75.25	0.62	74.63
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	8.35	0	8.35
Sub-Total NORTH_EAST REGION		0	0	0	0	8.35	0	8.35
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)	-25	105	-	51	0.97	0	0.97
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	102	65	107	-	2.11	0	2.11
6	220KV-Ranpur (RS)-Bhanpura(MP)	89	76	98	-	2.01	0	2.01
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-377	-709	-905	7	10.04	0	10.04
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	5.28	0	5.28
10	400KV-RAPS C (NP)-Sujalpur	508	636	725	121	8.42	0	8.42
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-486	-450	0	-518	0	9.16	-9.16
13	765KV-0rai-Jabalpur	2,453	2,668	2,998	0	49.86	0	49.86
14	765KV-0rai-Satna	1,054	1,024	1,144	0	21.75	0	21.75
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	55.23	0	55.23
16	765KV-Chittorgarh-Banaskata D/C	-726	-1,224	-2,213	-297	28.01	0	28.01
17	765KV-Phagi (RJ)-Gwalior(PG)	1,473	1,560	1,839	-332	25.03	0	25.03
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-3,049	-2,552	3,431	0	62.72	0	62.72
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	998	998	2,003	0	24.92	0	24.92
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	150	250	250	0	4.67	0	4.67
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	4,000	4,000	4,000	0	92.47	0	92.47
Sub-Total WEST REGION		6,164	6,447	13,477	-968	393.49	9.16	384.33
TOTAL IR EXCHANGE		6,527	6,895	14,069	-721	477.09	9.78	467.31

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS+GNA+URS schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NR-NORTH_EAST REGION	113.93	11.61	0	2.91	0	119.81	74.63	-45.18
	0	0	0	0	0	0	8.35	8.35
NR-WR	181.06	118.24	0	52.19	0	364.48	384.33	19.85
Total	294.99	129.85	0	55.1	0	484.29	467.31	-16.98

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)	-2	-31	50.136	56	0.47	0.13	0.34	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	.27	3.33	40.32	74.35	18.38	3.75	.19	22.31

<-----Frequency (Hz)----->

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk		Freq Dev Index (% of Time)
Frequency	Time	Frequency	Time				Max.	Min.	
50.21	13:04:10	49.75	14:14:10	50.01	0.032	0.056	50.15	49.83	25.65

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	417	18:45	395	09:35	0	0	0	0	0
Amritsar(PG) - 400KV	408	18:50	387	14:40	0	14.93	0	0	0
Ballabgarh(PG) - 400KV	411	05:00	385	14:40	0	9.38	0	0	0
Bareilly II(PG) - 400KV	417	07:00	397	21:35	0	0	0	0	0

Bareilly(UP) - 400KV	418	07:00	398	21:35	0	0	0	0	0
Baspa(HP) - 400KV	405	00:00	392	09:15	0	0	0	0	0
Bassi(PG) - 400KV	416	05:00	394	14:45	0	0	0	0	0
Bawana(DTL) - 400KV	411	05:00	394	14:50	0	0	0	0	0
Dadri HVDC(PG). - 400KV	411	07:00	391	14:50	0	0	0	0	0
Gorakhpur(PG) - 400KV	418	07:45	394	21:40	0	0	0	0	0
Hisar(PG) - 400KV	416	18:50	388	14:45	0	2.43	0	0	0
Kanpur(PG) - 400KV	415	16:05	400	22:35	0	0	0	0	0
Kashipur(UT) - 400KV	418	07:00	408	11:55	0	0	0	0	0
Kishenpur(PG) - 400KV	413	02:25	402	14:45	0	0	0	0	0
Moga(PG) - 400KV	410	18:50	389	14:40	0	3.13	0	0	0
Nallagarh(PG) - 400KV	405	00:00	392	09:15	0	0	0	0	0
Rihand HVDC(PG) - 400KV	401	14:55	394	22:20	0	0	0	0	0
Rihand(NT) - 400KV	402	15:05	395	21:35	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	792	02:25	4	12:10	3.82	3.82	0	0	3.82
Balia(PG) - 765KV	792	07:45	754	21:35	0	0	0	0	0
Bareilly II(PG) - 765KV	802	07:00	756	21:35	0	0	2.78	0	2.78
Bhiwani(PG) - 765KV	778	19:25	770	21:35	0	0	0	0	0
Fatehpur(PG) - 765KV	788	16:05	756	23:05	0	0	0	0	0
Jhatikara(PG) - 765KV	785	05:00	744	14:45	0	0	0	0	0
Lucknow II(PG) - 765KV	796	07:00	754	21:35	0	0	0	0	0
Meerut(PG) - 765KV	790	07:00	752	14:40	0	0	0	0	0
Moga(PG) - 765KV	794	18:50	754	14:45	0	0	0	0	0
Phagi(RJ) - 765KV	797	18:45	763	14:40	0	0	0	0	0
Unnao(UP) - 765KV	773	07:40	745	21:35	0	0	0	0	0

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

State	Off- Peak Hours (03:00)							Peak Hours (20:00)						
	T-GNA Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)	Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)
PUNJAB	1,807.82	7.32	0	1,869.77	0	0	0	1,761.99	0	-100	289.14	0	0	0
HARYANA	2,920.93	2.02	0	192.76	0	0	0	3,171.83	10.6	0	-200	0	0	0
RAJASTHAN	597.56	15.42	-22.44	0	0	0	0	836.7	20.4	-18.9	-4	0	0	0
DELHI	1,153.98	0	23.89	504.49	0	0	0	1,331.5	0	-152	511.31	0	0	0
UTTAR PRADESH	1,128.75	164.63	279.78	387.3	0	0	0	2,434.03	123.67	493.3	401.06	0	0	0
UTTARAKHA ..	-430	-10.9	0	48.19	0	0	0	-280	-15.2	261.19	-22.07	0	0	0
HIMACHAL PRADESH	-188.75	-86.5	-162.8	-169.24	0	0	0	-189.75	-86.5	-76.2	138.53	0	0	0
J&K(UT) & LADAKH(UT)	-465	0	0	-700	0	0	0	-528	-39	-20.1	385.52	0	0	0
CHANDIGARH	75.65	0	-75.3	-58	0	0	0	105.89	0	-85	-29	0	0	0
RAILWAYS_NRI	36.1	25.06	0	0	0	0	0	36.1	25.06	0	0	0	0	0
TOTAL	6,637.04	117.05	43.13	2,075.27	0	0	0	8,680.29	39.03	302.29	1,470.49	0	0	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	117.26	40.58	2.26	1.91	58.24	220.25
HARYANA	144.78	75.29	0.88	2.57	-0.46	222.32
RAJASTHAN	114.65	13.71	0.55	-0.63	-1.99	126.29
DELHI	98.81	29.42	0.94	2.5	8.7	140.37
UTTAR PRADESH	224.88	19.19	3.35	9	6.91	263.56
UTTARAKHAND	29.15	-7.34	-0.19	3.35	1.79	26.76
HIMACHAL PRADESH	10.93	-7.22	-1.36	-2.44	-2.34	-2.43
J&K(UT) & LADAKH(UT)	43.67	-5.33	-0.23	-0.15	-8.18	29.78
CHANDIGARH	7.35	1.64	0	-1.11	-0.54	7.34
RAILWAYS_NR ISTS	2.51	0.87	0.38	0	0	3.76
TOTAL	793.99	160.81	6.58	15	62.13	1,038

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	5,292.5	4,476.22	1,941.72	1,431.25	289.14	0	0	0
HARYANA	6,696.75	5,327.11	3,421.88	2,890.09	98.69	0.29	0	0
RAJASTHAN	5,189.71	4,092.26	886.7	335.4	55.32	3.69	0	0
DELHI	4,803.6	3,575.7	1,530.36	903.39	451.06	0	0	0
UTTAR PRADESH	11,238.94	6,667.75	2,578.31	-27.81	597.77	5.91	0	0
UTTARAKHAND	1,416.19	926.64	-243.37	-430	0.46	-15.7	0	0
HIMACHAL PRADESH	889.91	169.68	-151.04	-617.58	-6.86	-86.5	0	0
J&K(UT) & Ladakh(UT)	1,857.94	1,746.47	0	-578	0	-46.8	0	0
CHANDIGARH	348.42	262.29	105.89	36.44	0	0	0	0
RAILWAYS_NR ISTS	119.67	70.03	36.1	36.1	25.06	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	530.09	-400	0	0	4,337.1	0	0	0
HARYANA	674.66	0	0	0	530.09	-550	0	0
RAJASTHAN	-8.64	-80.94	0	0	670.66	-709.6	0	0
DELHI	582.14	-160	0	0	870.09	-19.64	0	0
UTTAR PRADESH	2,824.51	-544.75	0	0	1,338.64	-674.47	0	0
UTTARAKHAND	376.85	0	0	0	304.46	-150	0	0
HIMACHAL PRADESH	-21.8	-171.5	0	0	138.53	-256.22	0	0
J&K(UT) & LADAKH(UT)	0	-20.1	0	0	460.7	-860	0	0
CHANDIGARH	0	-113.7	0	0	60.72	-73	0	0
RAILWAYS_NR ISTS	0	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	492.93	828	489.26	710	1,264.74	724.57
Chamera-I	748.75	760	753.95	-	-	-	-	-	0
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	609.75	4	610.6	5	303	302.8
Pong	384.05	426.72	1,084	409.8	484	401.7	259	1,153.74	525.5
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	507.27	185	491.75	29	300.5	263.68
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	793.2	485	791.17	470	537.31	303
TOTAL	-	-	-	-	1,986	-	1,473	3,559.29	2,119.55

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	6.25

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

WR	0
ER	0
Simultaneous	3.82
Delhi	0
Rajasthan	0
UP	0
Punjab	0.69

Haryana	17.01
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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	40
HARYANA	7	16
HIMACHAL PRADESH	5	11
J&K(UT) & Ladakh(UT)	8	24
PUNJAB	5	17
RAJASTHAN	12	41
UTTAR PRADESH	1	7
UTTARAKHAND	10	36

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

	Inst Capacity	20:00	03:00	Day Peak			
Station/Constituents	(MW)	Peak MW	Off Peak MW	MW	HRS	Net MU	AVG MW
NCR_GENERATION	9225	5,851	3,819	5877	19:45:00	101.28	4,220
NCR_DRAWAL	-	14,978	15,400	16792	14:45:00	371.71	15,488
NCR_DEMAND	-	20,829	19,219	21671	21:45:00	472.99	19,708
LADAKH_DEMAND	-	9	-7	9	20:15:00	-0.01	0

12. RE/Load Curtailment details

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

13.Grid Disturbance / Any Other Significant Event:

14.Weather Conditions :

15.Synchronisation of new generating units :

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

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

18.Complete generation loss in a generating station :

19.Remarks :

No Records Found

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.  
\*Unscheduled Load Shedding carried out by Uttar Pradesh.

Shift In Charge