



GRID CONTROLLER OF INDIA (GRID-INDIA)

NORTHERN REGIONAL LOAD DESPATCH CENTRE

DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 25-Sep-2025

Date of Reporting:26-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
79,355	41	79,396	50.04	69,146	0	69,146	50	1,772	0.97

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	95.85	18.2	0	4.62	0	1.72	120.4	176.65	175.28	-1.37	295.68	0	295.68
HARYANA	56.13	0.57	0.44	1.25	0	0.9	59.29	199.54	198.14	-1.4	257.43	0	257.43
RAJASTHAN	145.86	6.73	1.96	47.24	13.14	5.32	220.25	125.57	125.3	-0.27	345.55	0	345.55
DELHI	0	0	7.4	0	0	1.7	9.1	126.63	125.79	-0.84	134.89	0	134.89
UTTAR PRADESH	316	29.5	0	15.7	0	0.6	361.8	220.86	221.17	0.31	583.94	0.97	582.97
UTTARAKHAND	0	25.34	1.18	0.55	0	0	27.07	24.05	25.11	1.06	52.18	0	52.18
HIMACHAL PRADESH	0	34.08	0	0.13	0	0	34.21	4.23	4.24	0.01	38.45	0	38.45
J&K(UT) & Ladakh(UT)	0	22.26	0	0	0	0	22.26	31.91	31.36	-0.55	53.62	0	53.62
CHANDIGARH	0	0	0	0	0	0	0	6.59	6.65	0.06	6.65	0	6.65
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	4.02	4.31	0.29	4.31	0	4.31
Region	613.84	136.68	10.98	69.49	13.14	10.24	854.38	920.05	917.35	-2.7	1,772.7	0.97	1,771.73

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	11,538	0	280	388	12,261	10,247	0	-276	985
HARYANA	11,143	0	-187	1,438	10,831	10,448	0	118	2,761
RAJASTHAN	14,448	0	-161	1,343	14,392	13,455	0	-256	1,070
DELHI	5,943	0	-72	1,107	5,613	5,158	0	219	1,145
UTTAR PRADESH	29,237	41	-17	4,241	24,218	24,512	0	-84	579
UTTARAKHAND	2,515	0	35	111	2,177	1,983	0	14	129
HIMACHAL PRADESH	1,656	0	10	-184	1,602	1,325	0	-55	-256
J&K(UT) & Ladakh(UT)	2,392	0	-88	-171	2,234	1,608	0	-5	-950
CHANDIGARH	313	0	8	-46	277	223	0	12	0
RAILWAYS_NR ISTS	170	0	0	61	180	187	0	17	65
Region	79,355	41	-192	8,288	73,785	69,146	0	-296	5,528

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	13,778	16:00	0	13,778	13,778	16:00	0	13,778	10,205	2:00	-	-	-	-
HARYANA	12,187	14:00	0	12,187	12,187	14:00	0	12,187	9,732	1:00	-	-	-	-
RAJASTHAN	15,569	15:00	0	15,569	15,569	15:00	0	15,569	13,176	4:00	-	-	-	-
DELHI	6,370	16:00	0	6,370	6,370	16:00	0	6,370	4,587	8:00	-	-	-	-
UP	29,788	21:00	0	29,788	29,788	21:00	0	29,788	18,598	7:00	-	-	-	-
UTTARAKHA ..	2,604	18:00	0	2,604	2,604	18:00	0	2,604	1,902	10:00	-	-	-	-
HP	1,833	7:00	0	1,833	1,833	7:00	0	1,833	1,312	2:00	-	-	-	-
J&K(UT)&Lad ..	2,572	7:00	0	2,572	2,572	7:00	0	2,572	1,608	3:00	-	-	-	-
CHANDIGARH	334	15:00	0	334	334	15:00	0	334	217	5:00	-	-	-	-
RAILWAYS_NR ISTS	205	0:00	0	205	205	0:00	0	205	141	13:00	-	-	-	-
NR	80,516	22:00	0	80,516	80,516	22:00	0	80,516	66,665	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	-2	-1.06	01:00	0		0	-0.05	-2
DELHI GAS TURBINES( 3 * 34 + 6 * 30 )	282	37	38	38.49	03:00	0		0.89	0.84	35
PRAGATI GAS TURBINES( 1 * 121.2 + 2 * 104.6 )	331	275	279	279.84	13:00	0		6.76	6.61	275
RITHALA GPS( 3 * 36 )	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	309	315					7.65	7.4	308
WIND	0	0	0	0		0				
BIOMASS( 52 )	52	64	64	0		0		1.72	1.7	71
SOLAR( 2 )	2	0	0	0		0				
Total DELHI	2,145	373	379					9.37	9.1	379

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	524	351	524	20:00	346	08:00	9.69	8.76	365
JHAJJAR(CLP)( 2 * 660 )	1,320	1,146	750	1,182	19:00	739	10:00	21.91	20.42	851
MAGNUM DIESEL (IPP)( 4 * 6.3 )	25	0	0	0		0				
PANIPAT TPS( 1 * 210 + 2 * 250 )	710	456	359	459	22:00	358	07:00	9.84	8.93	372
RGTPP( KHEDAR)( 2 * 600 )	1,200	986	722	986	20:00	695	14:00	18.56	18.02	751
Total THERMAL	3,855	3,112	2,182					60	56.13	2,339
FARIDABAD GPS( 1 * 156.07 + 2 * 137.75 )	432	151	0	234	19:00	0	17:00	0.44	0.44	18
Total GAS/NAPTHA/DIESEL	432	151	0					0.44	0.44	18
TOTAL HYDRO HARYANA(64.8)	65	25	23	25	20:00	21	06:00	0.58	0.57	24
Total HYDEL	65	25	23					0.58	0.57	24
WIND	0	0	0	0		0				
BIOMASS( 106 )	106	0	0	0		0		0.9	0.9	38
SOLAR(196)	196	0	0	0		0		1.25	1.25	52
Total HARYANA	4,654	3,288	2,205					63.17	59.29	2,471

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	113	90	113	20:00	39	11:00	2.1	2.1	88
BASPA (IPP) HPS( 3 * 100 )	300	300	300	300	01:00	195	10:00	6.44	6.35	265
MALANA (IPP) HPS( 2 * 43 )	86	80	58	83	17:00	36	11:00	1.46	1.45	60
MALANA2( 2 * 50 )	100	0	0	0		0				
SAWARA KUDDU( 3 * 37 )	111	111	37	111	08:00	37	02:00	1.51	1.51	63
OTHER HYDRO HP( 503.75 )	504	310	293	0		0		6.98	6.96	290
Total HYDEL	1,281	914	778					18.49	18.37	766
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	642	606	0		0		15.73	15.71	655
Total SMALL HYDRO	765	642	606					15.73	15.71	655
Total HP	2,065	1,556	1,384					34.35	34.21	1,426

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	891	742	891		0		18.41	18.41	767
OTHER HYDRO/IPP J&K( 308 )	308	178	167	184	21:00	0		3.85	3.85	160
Total HYDEL	1,208	1,069	909					22.26	22.26	927
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR	0	0	0	0		0				
SMALL HYDRO( 98 )	98	0	0	0		0				
Total SMALL HYDRO	98	0	0					0	0	0
Total J&K(UT)&Ladakh(UT)	1,496	1,069	909					22.26	22.26	927

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	307	290	491	06:00	183	23:45	8.71	7.93	330
GURU GOBIND SINGH TPS (ROPAR)( 4 * 210 )	840	458	398	462	22:00	384	06:00	11.21	10.05	419
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)( 2 * 210 + 2 * 250 )	920	824	639	826	17:00	635	10:00	18.79	17.21	717
RAJPURA(NPL) TPS( 2 * 700 )	1,400	1,320	1,320	1,320	01:00	660	12:00	29.47	28.17	1,174
TALWANDI SABO TPS( 3 * 660 )	1,980	1,770	924	1,793	07:00	924	02:00	34.84	32.5	1,354
Total THERMAL	5,680	4,679	3,571					103.02	95.86	3,994
ANANADPUR SAHIB HYDRO PLANT( 2 * 33.5 + 2 * 33.5 )	134	108	108	109	06:00	108	01:00	2.67	2.66	111
MUKERIAN HYDRO PLANT( 6 * 15 + 6 * 19.5 + 2 * 9 )	225	170	170	170	01:00	170	01:00	4.07	4.06	169
RANJIT SAGAR POWER PLANT ( 4 * 150 )	600	582	241	602	21:00	0	13:00	7.69	7.67	320
SHANAN( 4 * 15 + 1 * 50 )	110	80	80	80	01:00	80	01:00	1.95	1.95	81
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	940	599					18.25	18.21	759
WIND	0	0	0	0		0				
BIOMASS( 303 )	303	0	0	0		0		1.72	1.72	72
SOLAR( 881 )	881	55	55	491	12:00	55	01:00	4.62	4.62	193
Total PUNJAB	8,025	5,674	4,225					127.61	120.41	5,018

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	112	110	113	19:00	110	17:00	2.96	2.53	105
CHHABRA TPS( 2 * 660 + 4 * 250 )	2,320	1,841	1,768	1,859	22:00	1,143	14:00	40.85	37.76	1,573
GIRAL (IPP) LTPS( 2 * 125 )	250	0	0	0		0				
KALISINDH TPS( 2 * 600 )	1,200	1,019	1,032	1,042	02:00	652	11:00	24.79	20.01	834
KAWAI TPS( 2 * 660 )	1,320	615	590	625	18:00	358	10:00	13.07	12.43	518
KOTA TPS( 2 * 110 + 2 * 195 + 3 * 210 )	1,240	1,019	1,002	1,045	23:00	742	10:00	24.18	21.41	892
RAJWEST (IPP) LTPS( 8 * 135 )	1,080	709	697	709	20:00	575	11:00	17.89	15.42	643
SURATGARH TPS ( 6 * 250 + 2 * 660(SSCTPS))	2,820	1,601	1,700	1,721	01:00	1,163	16:00	37.69	35.19	1,466
VSLPP (IPP)( 1 * 135 )	135	121	0	121	20:00	0	06:00	1.57	1.13	47
Total THERMAL	10,615	7,037	6,899					163	145.88	6,078
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	15:00	2.03	1.96	82
Total GAS/NAPTHA/DIESEL	601	77	78					2.03	1.96	82
RAPS-A( 1 * 100 + 1 * 200 )	300	177	176	177	02:00	174	09:00	4.65	4.31	180
Total NUCLEAR	300	177	176					4.65	4.31	180
TOTAL HYDRO RAJASTHAN( 550 )	550	341	259	342	21:00	258	14:00	6.74	6.73	280
Total HYDEL	550	341	259					6.74	6.73	280
WIND( 1 * 4328 )	4,328	307	935	1,106	02:00	102	09:00	13.14	13.14	548
BIOMASS( 102 )	102	42	42	42	01:00	42	06:00	1.01	1.01	42
SOLAR(6560)	6,560	0	0	6,013	13:00	0		47.24	47.24	1,968
Total RAJASTHAN	23,056	7,981	8,389					237.81	220.27	9,178

UTTAR PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
ANPARA TPS( 2 * 500 + 3 * 210 )	1,630	1,380	1,382	1,391	23:00	1,364	13:00	35.2	32.7	1,363
ANPARA-C TPS( 2 * 600 )	1,200	1,101	1,110	1,110	02:00	1,050	09:00	28.4	26.2	1,092
ANPARA-D TPS( 2 * 500 )	1,000	942	937	942	20:00	923	15:00	23.9	22.4	933
BAJAJ ENERGY PVT LTD (IPP) TPS( 10 * 45 )	450	366	309	366	06:00	203	04:00	7.7	7	292
BARA PPGCL TPS( 3 * 660 )	1,980	1,094	1,696	1,706	05:00	1,045	13:00	36.2	33.5	1,396
GHATAMPUR TPS (2*660)	1,320	517	558	558	03:00	310	06:00	11.9	10.7	446
HARDUAGANJ TPS( 1 * 110 + 2 * 250 + 1*660)	1,270	1,057	626	1,061	18:00	625	04:00	20.4	18.5	771
INFIRM POWER	660	461	471	476	22:00	385	11:00	11.9	10.7	446
JAWAHARPUR TPS(2*660)	1,320	596	644	1,002	06:00	315	08:00	16.3	14.7	613
JP CHURK( 3 * 60 )	180	0	0	0		0				
KHURJA TPS(2 * 660)	1,320	594	598	604	01:00	338	08:00	14.7	13.2	550
LALITPUR TPS( 3 * 660 )	1,980	1,827	1,763	1,848	16:00	1,231	09:00	44.6	41.9	1,746
MEJA TPS( 2 * 660 )	1,320	1,205	1,144	1,235	23:00	680	08:00	25.6	24	1,000
OBRA TPS ( 5 * 200+2*660 )	2,320	970	975	1,023	08:00	912	07:00	25.9	23.4	975
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS( 2 * 210 + 2 * 250 )	920	763	659	797	06:00	472	08:00	16.6	15.1	629
ROSA TPS( 4 * 300 )	1,200	1,077	927	1,113	16:00	592	08:00	24	22	917
Total THERMAL	20,730	13,950	13,799					343.3	316	13,169
ALAKHANANDA HEP( 4 * 82.5 )	330	352	353	355	01:00	347	23:59	8.5	8.5	354
RIHAND HPS( 6 * 50 )	300	280	280	280	01:00	280	01:00	6.7	6.7	279
VISHNUPARYAG HPS( 4 * 110 )	440	436	436	436	01:00	396	13:00	10.3	10.3	429
OTHER HYDRO UP( 227 )	227	170	165	176	08:00	130	13:00	4	4	167
Total HYDEL	1,297	1,238	1,234					29.5	29.5	1,229
WIND	0	0	0	0		0				
BIOMASS( 26 )	26	0	0	0		0				
SOLAR( 2729)	2,729	0	0	2,119	12:00	0	01:00	15.7	15.7	654
CO-GENERATION( 1360 )	1,360	25	25	25	01:00	0		0.6	0.6	25
Total OTHERs	1,360	25	25					0.6	0.6	25
Total UP	26,142	15,213	15,058					389.1	361.8	15,077

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	50	48	92	18:00	0	00:00	1.23	1.18	49
SARAVANTI	450	0	0	0		0				
Total GAS/NAPTHA/DIESEL	675	50	48					1.23	1.18	49
OTHER HYDRO UK( 1250 )	1,250	1,057	1,059	1,068	04:00	1,024	00:00	25.42	25.34	1,056
Total HYDEL	1,250	1,057	1,059					25.42	25.34	1,056
WIND	0	0	0	0		0				
BIOMASS( 127 )	127	0	0	0		0				
SOLAR( 278)	278	0	0	93	12:00	5	07:00	0.55	0.55	23
SMALL HYDRO( 180 )	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,107	1,107					27.2	27.07	1,128

(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	1,405	884	1,499	22:30	821	13:45	22.33	24.29	22.43	0	935	0.1
Sub-Total	1,500	1,406	1,405	884	-	-	-	-	22.33	24.29	22.43	0	935	0.1
BBMB														
BHAKRA HPS( 5 * 126 + 5 * 157 )	1,415	1,204	1,237	1,404	1,404	15:00	1,237	17:00	31.6	32.58	32.13	0	1,339	0.53
DEHAR HPS( 6 * 165 )	990	480	495	495	495	15:00	495	17:00	11.52	11.94	11.6	0	483	0.08
PONG HPS( 6 * 66 )	396	352	360	360	360	15:00	360	17:00	8.45	8.67	8.47	0	353	0.02
Sub-Total	2,801	2,036	2,092	2,259	-	-	-	-	51.57	53.19	52.2	0	2,175	0.63
NHPC														
BAIRASIUL HPS( 3 * 60 )	180	186	182	62	185	19:15	60	06:15	2.34	2.46	2.44	0	102	0.1
CHAMERA I HPS( 3 * 180 )	540	540	423	422	452	15:00	360	23:00	10.15	10.15	9.99	0	416	-0.16
CHAMERA II HPS( 3 * 100 )	300	312	303	300	303	20:00	100	11:00	5.1	5.15	5.11	0	213	0.01
CHAMERA III HPS( 3 * 77 )	231	240	214	76	216	19:00	0	09:00	1.75	1.58	1.56	0	65	-0.19
DHAULIGANGA HPS( 4 * 70 )	280	292	274	212	280	21:00	199.8	18:00	5.29	5.38	5.37	0	224	0.08
DULHASTI HPS( 3 * 130 )	390	257	272	360	369	10:00	257.2	11:00	7.69	7.6	7.5	0	313	-0.19
KISHANGANGA( 3 * 110 )	330	326	328	111	328	22:00	108.4	15:00	3.47	3.56	3.27	0	136	-0.2
PARBATI III HEP( 4 * 130 )	520	190	189	104	193	19:00	0	-	1.85	1.75	1.73	0	72	-0.12
PARBATI-II( 4 * 200 )	800	0	0	0	20	23:00	0	01:00	0	0.05	0.02	0	1	0.02
SALAL HPS( 6 * 115 )	690	590	600	607	687	01:00	577	07:00	14.79	15.14	14.96	0	623	0.17
SEWA-II HPS( 3 * 40 )	120	119	108	41	123	23:00	23.7	14:00	1.28	1.28	1.27	0	53	-0.01
TANAKPUR HPS( 1 * 31.42 + 2 * 31.4 )	94	93	105	105	105	10:59	104.15	10:00	2.26	2.51	2.48	0	103	0.22
URI HPS( 4 * 120 )	480	410	432	415	471	00:45	343	18:15	10	10.39	10.32	0	430	0.32
URI-II HPS( 4 * 60 )	240	210	231	237	237	05:00	188.92	16:00	5.16	5.39	5.35	0	223	0.19
Sub-Total	5,195	3,765	3,661	3,052	-	-	-	-	71.13	72.39	71.37	0	2,974	0.24
NPCL														
NAPS( 2 * 220 )	440	189	217	216	218	04:00	207	13:00	4.54	5.09	4.49	0	187	-0.05
RAPP-D	700	186	0	0	0	-	0	-	3	4.58	3.27	0	136	0.27
RAPS-B( 2 * 220 )	440	342	390	392	394	05:00	379	10:00	8.21	9.42	8.31	0	346	0.1
RAPS-C( 2 * 220 )	440	406	450	450	454	09:00	0	-	9.74	10.84	9.79	0	408	0.05
Sub-Total	2,020	1,123	1,057	1,058	-	-	-	-	25.49	29.93	25.86	0	1,077	0.37
NTPC														
ANTA GPS( 1 * 153.2 + 3 * 88.71 )	419	256	0	0	157	19:26	0	-	0.24	0.22	0.19	0	8	-0.05
AURAIYA GPS( 2 * 109.3 + 4 * 111.19 )	663	636	0	0	204	19:00	0	-	0.24	0.3	0.24	0	10	0
DADRI GPS( 2 * 154.51 + 4 * 130.19 )	830	770	40	0	243	19:30	0	-	0.94	0.42	0.37	0	15	-0.57
DADRI-I TPS( 4 * 210 )	840	769	457	467	756	22:45	0	-	11.36	13.13	11.88	0	495	0.52
DADRI-II TPS( 2 * 490 )	980	919	768	497	921	22:45	0	-	14.25	15.6	14.51	0	605	0.26
KOLDAM HPS( 4 * 200 )	800	871	866	839	869	19:00	0	-	14.5	14.75	14.66	0	611	0.16
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.1	3.96	3.96	0	165	-0.14
RIHAND-I STPS( 2 * 500 )	1,000	460	487	499	499	03:00	273	09:00	9.45	10.36	9.2	0	383	-0.25
RIHAND-II STPS( 2 * 500 )	1,000	943	969	1,002	1,002	01:00	540	09:00	19.45	20.68	19.31	0	805	-0.14
RIHAND-III STPS( 2 * 500 )	1,000	943	971	1,005	1,012	01:00	534	13:00	19.34	20.64	19.45	0	810	0.11
SINGRAULI HYDRO( 1 * 8 )	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS( 2 * 500 + 5 * 200 )	2,000	1,680	1,795	1,771	1,798	07:00	1,046	11:00	34.26	37.18	34.08	0	1,420	-0.18
TANDA TPS( 4 * 110 )	440	-	0	0	0	-	0	-	-	-	-	-	-	-
TANDA TPS STAGE-II( 2 * 660 )	1,320	619	606	355	626	23:30	341	08:45	11.1	12.28	11.29	0	470	0.19
UNCHAHAH II TPS( 2 * 210 )	420	375	377	247	377	20:00	241	08:00	6.08	7	6.18	0	258	0.1
UNCHAHAH III TPS( 1 * 210 )	210	189	180	125	208	17:30	117	07:30	3.07	3.51	3.15	0	131	0.08
UNCHAHAH IV TPS( 1 * 500 )	500	466	476	306	493	17:30	270	07:30	7.64	8.4	7.8	0	325	0.16
UNCHAHAH TPS( 2 * 210 )	420	189	185	123	185	20:00	115	07:30	3.06	3.44	3	0	125	-0.06
Sub-Total	13,095	10,085	8,177	7,236	-	-	-	-	159.08	171.87	159.27	0	6,636	0.19
SJVNL														
NATHPA-JHAKRI HPS( 6 * 250 )	1,500	1,482	1,482	1,362	1,529	23:00	1,186	18:00	32.82	33.38	33.12	0	1,380	0.3
RAMPUR HEP( 6 * 68.67 )	412	408	420	387	424	19:00	342	18:00	9.14	9.51	9.44	0	393	0.3
Sub-Total	1,912	1,890	1,902	1,749	-	-	-	-	41.96	42.89	42.56	0	1,773	0.6
THDC														
KOTESHWAR HPS( 4 * 100 )	400	380	386	99	392	21:00	90	17:00	3.28	3.46	3.46	0	144	0.18
TEHRI HPS( 4 * 250 )	1,000	1,072	1,034	0	1,064	22:00	0	03:00	10.14	10.28	10.27	0	428	0.13
TEHRI PSP( 4 * 250 )	1,000	500	500	526	500	20:00	0	-	0.89	3.93	0.7	0	29	-0.19

Sub-Total	2,400	1,952	1,920	625	-	-	-	-	14.31	17.67	14.43	0	601	0.12
Total	28,923	22,257	20,214	16,863					385.87	412.23	388.12	0	16,171	2.25

IPP/JV													
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy			AVG. MW	UI
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen(MU)	Net Gen(MU)		
IPP													
ADHPL(IPP) HPS( 2 * 96 )	192	189	193	94	193	20:00	0	-	2.57	2.62	2.6	108	0.03
BUDHIL HPS (IPP)( 2 * 35 )	70	28	70	51	72	18:00	0	-	1.1	1.13	1.12	47	0.02
KARCHAM WANGTOO HPS( 4 * 261.25 )	1,045	1,087	1,100	750	1,100	18:45	500	15:00	18.7	18.99	18.87	786	0.17
SAINJ HEP( 2 * 50 )	100	0	0	0	0	-	0	-	0	0	0	0	0
SHREE CEMENT (IPP) TPS( 2 * 150 )	300	338	340	92	342	21:00	0	-	3.92	4.16	3.85	160	-0.07
SINGOLI BHATWARI HEP( 3 * 33 )	99	107	108	108	108	20:00	0	-	2.37	2.57	2.53	105	0.16
SORANG HYDROELECTRIC PROJECT( 2 * 50 )	100	62	79	64	79	20:00	0	-	1.53	1.6	1.59	66	0.06
Sub-Total	1,906	1,811	1,890	1,159	-	-	-	-	30.19	31.07	30.56	1,272	0.37
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	500	0	0	0	0	-	0	-	3.07	3.15	3.15	131	0.08
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.61	1.61	1.61	67	0
ACME CHITTORGARH SOLAR ENERGY PVT LTD( 1 * 250 )	250	0	0	0	226	14:09	0	-	1.52	1.59	1.59	66	0.07
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	309	14:01	0	-	2.24	2.2	2.2	92	-0.04
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	2.22	2.16	2.16	90	-0.06
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	303	14:16	0	-	2.24	2.18	2.18	91	-0.06
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	306	14:00	0	-	2.24	2.19	2.18	91	-0.06
ACME SIKAR SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.45	1.52	1.52	63	0.07
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	303	14:16	0	-	2.24	2.18	2.18	91	-0.06
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.63	0.69	0.69	29	0.06
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.62	0.67	0.67	28	0.05
ADANI GREEN ENERGY TWENTY FOUR LIMITED	500	0	0	0	0	-	0	-	2.47	2.48	2.48	103	0.01
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)( 1 * 200 )	200	0	0	0	188	11:21	0	-	1.37	1.43	1.43	60	0.06
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	154	11:45	0	-	1.13	1.14	1.14	48	0.01
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	136	13:30	0	-	1.07	1.09	1.09	45	0.02
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.32	0.32	0.32	13	0
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	11:34	0	-	1.09	1.17	1.17	49	0.08
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	175	12:19	0	-	1.56	1.52	1.52	63	-0.04
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	99	09:37	0	-	0.69	0.65	0.65	27	-0.04
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	2.65	2.49	2.49	104	-0.16
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	1.11	1.36	1.36	57	0.25
AMP ENERGY GREEN FOUR PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.57	0.62	0.62	26	0.05
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	88	09:32	0	-	0.63	0.63	0.62	26	-0.01
AURAIYA SOLAR( 1 * 40 )	40	0	0	0	0	-	0	-	0.16	0.15	0.14	6	-0.02
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	243	14:20	0	-	1.73	1.77	1.77	74	0.04
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER( 1 * 350 )	350	0	0	0	313	14:15	0	-	2.33	2.36	2.36	98	0.03
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	317	14:16	0	-	2.25	2.28	2.27	95	0.02
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	277	14:17	0	-	1.99	1.83	1.83	76	-0.16
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	286	14:47	0	-	2.02	1.98	1.98	83	-0.04
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	224	15:05	0	-	1.45	1.35	1.35	56	-0.1
AZURE POWER FORTY THREE PRIVATE LIMITED( 1 * 150 + 1 * 150 + 1 * 300 )	600	0	0	0	433	14:35	0	-	3.26	3.32	3.32	138	0.06
AZURE POWER INDIA PVT LTD.( 4 * 50 )	200	0	0	0	182	12:42	0	-	1.27	1.33	1.33	55	0.06
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	271	12:19	0	-	2.05	1.95	1.95	81	-0.1
AZURE POWER THIRTY FOUR PRIVATE LTD( 1 * 130 )	130	0	0	0	132	11:59	0	-	0.94	0.97	0.97	40	0.03
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1.07	1.55	1.55	65	0.48
CLEAN SOLAR POWER (BHADLA) PVT LTD( 1 * 300 )	300	0	0	0	292	11:18	0	-	2.06	1.97	1.97	82	-0.09
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	250	11:04	0	-	1.74	1.75	1.74	73	0

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	-	1.5	1.48	1.48	62	-0.02
EDEN RENEWABLE ALMA PRIVATE LIMITED	300	0	0	0	233	15:16	0	-	1.55	1.55	1.54	64	-0.01
EDEN RENEWABLE CITE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	299	14:43	0	-	2.13	2.15	2.15	90	0.02
GORBEA SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.65	1.62	1.62	68	-0.03
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	87	09:29	0	-	0.63	0.63	0.62	26	-0.01
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	84	09:44	0	-	0.57	0.55	0.55	23	-0.02
JUNA RENEWABLE ENERGY PRIVATE LIMITED	335	0	0	0	0	-	0	-	2.04	1.84	1.84	77	-0.2
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	39	09:44	0	-	0.27	0.26	0.26	11	-0.01
KARNISAR SOLAR PLANT NHPC LIMITED	214	0	0	0	111	15:54	0	-	0.47	0.29	0.29	12	-0.18
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.58	1.57	1.57	65	-0.01
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.06	3.06	3.06	128	0
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED( 1 * 50 )	50	0	0	0	49	12:17	0	-	0.35	0.37	0.37	15	0.02
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED( 1 * 50 )	50	0	0	0	48	12:17	0	-	0.35	0.35	0.35	15	0
M/S AZURE POWER FORTY ONE PRIVATE LIMITED( 1 * 300 )	300	0	0	0	294	12:30	0	-	2.03	2.06	2.06	86	0.03
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	86	09:36	0	-	0.63	0.62	0.61	25	-0.02
MEGA SOILS RENEWABLE PRIVATE LIMITED( 1 * 250 )	250	0	0	0	0	-	0	-	1.65	1.68	1.68	70	0.03
MEGA SURYAURJA PVT LTD( 1*250 )	250	0	0	0	0	-	0	-	1.65	1.65	1.65	69	0
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	0	-	0	-	2.03	2.02	2.02	84	-0.01
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	200	0	0	0	0	-	0	-	1.04	1.03	1.03	43	-0.01
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.36	1.44	1.44	60	0.08
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)( 1 * 300 )	300	0	0	0	286	14:04	0	-	2.05	2.02	2.02	84	-0.03
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	225	15:01	0	-	1.45	1.41	1.41	59	-0.04
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	283	14:22	0	-	2.06	2.03	2.03	85	-0.03
RENEW SOLAR POWER PVT LTD( 50 )	50	0	0	0	51	11:00	0	-	0.37	0.38	0.38	16	0.01
RENEW SOLAR POWER PVT LTD. BIKANER( 1 * 250 )	250	0	0	0	0	-	0	-	1.56	1.51	1.51	63	-0.05
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	276	14:15	0	-	2.03	2	2	83	-0.03
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	285	13:59	0	-	2.05	1.94	1.94	81	-0.11
RENEW SURYA JYOTI PRIVATE LIMITED	210	0	0	0	0	-	0	-	1.12	1.11	1.11	46	-0.01
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	205	11:23	0	-	1.54	1.59	1.58	66	0.04
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.96	1.94	1.94	81	-0.02
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	98	12:55	0	-	0.74	0.75	0.75	31	0.01
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	205	12:06	0	-	1.42	1.49	1.49	62	0.07
SB ENERGY FOUR PVT LTD( 2 * 100 )	200	0	0	0	196	11:20	0	-	1.44	1.37	1.37	57	-0.07
SB ENERGY SIX PRIVATE LIMITED( 1 * 300 )	300	0	0	0	303	13:07	0	-	2.01	2.07	2.07	86	0.06
SJVN GREEN ENERGY LIMITED	501	0	0	0	443	09:33	0	-	2.14	2.38	2.38	99	0.24
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED_BKN2	168	0	0	0	0	-	0	-	1.07	1.11	1.11	46	0.04
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	232	0	0	0	225	09:10	0	-	1.48	1.35	1.35	56	-0.13
SINGRAULI SOLAR( 15 )	15	0	0	0	0	-	0	-	0.06	0.06	0.06	3	0
SOLZEN URJA PRIVATE LIMITED( 1 * 300 )	300	0	0	0	260	10:55	0	-	1.94	1.93	1.93	80	-0.01
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	73	09:37	0	-	0.17	0.49	0.49	20	0.32
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	220	12:05	0	-	1.57	1.56	1.56	65	-0.01
TATA POWER RENEWABLE ENERGY LTD( 1 * 300 )	300	0	0	0	263	14:18	0	-	1.88	1.92	1.88	78	0
TATA POWER SAURYA LIMITED	110	0	0	0	82	09:41	0	-	0.57	0.54	0.54	23	-0.03
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	278	14:16	0	-	1.99	1.84	1.84	77	-0.15
TRANSITION ENERGY SERVICES PRIVATE LIMITED	60	0	0	0	0	-	0	-	0.39	0.5	0.49	20	0.1
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	95	09:36	0	-	0.64	0.62	0.62	26	-0.02
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	46	09:38	0	-	0.32	0.3	0.3	13	-0.02
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.36	0.27	0.27	11	-0.09
UNCHAHAHAR SOLAR( 10 )	10	0	0	0	0	-	0	-	0.04	0	0	0	-0.04



XL XERGI POWER PRIVATE LIMITED	400	0	0	0	264	10:15	0		1.85	1.86	1.85	77	0
Sub-Total	20,131	0	0	0	-	-	-	-	124.53	124.86	124.71	5,198	0.18
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	573	09:36	0	-	5.28	4.99	4.98	208	-0.3
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	70	242	382	-	0	-	3.01	3.19	3.19	133	0.18
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	368	13:27	0	-	2.78	2.88	2.88	120	0.1
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	26	59	63	11:15	0	-	0.83	0.66	0.66	28	-0.17
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	288	-	0	-	2.53	2.49	2.49	104	-0.04
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	24	50	60	12:00	0	-	0.62	0.54	0.54	23	-0.08
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	301	09:30	0	-	2.54	2.59	2.59	108	0.05
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	23	42	61	11:30	0	-	0.63	0.49	0.49	20	-0.14
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	413	14:05	0	-	2.95	3.02	3.02	126	0.07
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	34	62	93	22:30	0	-	0.96	0.82	0.82	34	-0.14
Sub-Total	2,846	0	177	455	-	-	-	-	22.13	21.67	21.66	904	-0.47
Total	24,883	1,811	2,067	1,614					176.85	177.6	176.93	7,374	0.08

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	70,093	36,261	33,656	910.87	854.41	35,604
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		15,255	9,468	377	377	17,576
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		12	-20	0.29	0.29	14
Total Regional Availability(Gross)	123,899	73,809	61,581	1,877.99	1,796.75	76,739

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	11,991	9,591	227.8	221.93	9,246
State Control Area Hydro	7,855	6,226	5,467	136.97	136.69	5,696
Total Regional Hydro	22,577	18,217	15,058	364.77	358.62	14,942

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	23,222	177	455	150.49	150.33	6,267
State Control Area Renewable	15,709	468	1,096	87.98	87.96	3,666
Total Regional Renewable	38,931	645	1,551	238.47	238.29	9,933

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	22,356	0	0	144.79	144.63	6,029
State Control Area Solar	10,665	55	55	69.49	69.49	2,895
Total Solar	33,021	55	55	214.28	214.12	8,924

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	177	455	5.7	5.7	238
State Control Area Wind	4,328	307	935	13.14	13.14	548
Total Wind	5,194	484	1,390	18.84	18.84	786

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	0.13	-0.13
2	132KV-Chandauli (UP)-Karmnasa(PG)	-	-	-	-	-	-	-
3	132KV-Rihand (UP)-Garhwa(CG)	-	-	-	-	0	0.54	-0.54
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.38	0	1.38
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.89	0	0.89
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0	1.85	-1.85
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	3.34	0	3.34
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	11.88	0	11.88
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-222	-596	696	102	7.88	0	7.88
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-401	-895	967	204	10.38	0	10.38

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	2.3	0	2.3
13	400KV-Varanasi (PG)-Sasaram(PG)	63	42	109	0	1.56	0	1.56
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	14.1	0	14.1
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	2.02	0	2.02
16	765KV-Varanasi (PG)-Gaya(PG)	312	667	859	668	4.37	0	4.37
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	11.64	0	11.64
Sub-Total EAST REGION		-248	-782	2,631	974	71.74	2.52	69.22
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	16.34	0	16.34
Sub-Total NORTH_EAST REGION		0	0	0	0	16.34	0	16.34
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	5	-	115	0	0.08	-0.08
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	91	93	110	74	2.27	0	2.27
6	220KV-Ranpur (RS)-Bhanpura(MP)	107	94	113	89	2.43	0	2.43
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-512	-656	-831	7	10.19	0	10.19
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	7.46	-7.46
10	400KV-RAPS C (NP)-Sujalpur	-301	-484	681	296	4.5	0	4.5
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-666	-684	0	-792	0	13.1	-13.1
13	765KV-0rai-Jabalpur	2,629	2,432	2,932	0	44.67	0	44.67
14	765KV-0rai-Satna	1,027	1,076	1,182	0	20.03	0	20.03
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	40.56	0	40.56
16	765KV-Chittorgarh-Banaskata D/C	1,414	482	-77	1,816	0	18.33	-18.33
17	765KV-Phagi (RJ)-Gwalior(PG)	1,922	1,878	2,059	-349	27.59	0	27.59
18	765KV-Varanasi (PG)-Vindhyachal(PG)	3,752	2,815	3,752	0	65.61	0	65.61
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,251	599	2,254	0	30.37	0	30.37
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	250	100	500	0	5.71	0	5.71
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	4,500	2,500	4,500	0	76.48	0	76.48
Sub-Total WEST REGION		15,503	10,250	17,175	1,256	330.41	38.97	291.44
TOTAL IR EXCHANGE		15,255	9,468	19,806	2,230	418.49	41.49	377

### 5. Inter National Exchange with Nepal [Import (+ve)/Export(-ve)] [Linkwise]

## 5. Frequency Profile

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.	
50.14	18:02:50	49.81	14:39:30	49.99	0.026	0.049	50.07	49.88	14.34

### 6.1 Voltage Profile: 765kV

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	2.42	0	0	0	0	0	1,028.77	0	-43.1	-497.63	0	-50	-50
HARYANA	2,190.49	119.29	233.6	217.51	0	0	0	2,318.96	0	13.97	-264.15	0	-630.85	0
RAJASTHAN	870.08	-40.7	34.36	206.58	0	0	0	746.15	-25.6	-19.74	465.02	0	0	177.23
DELHI	716.67	0.77	248.44	178.64	0	0	0	762.43	66.09	60.24	218.41	0	0	0
UTTAR PRADESH	249.65	28.03	294.62	6.58	0	0	0	1,831.23	488.32	1,756.68	164.4	0	0	0
UTTARAKHA ..	-245	-3.2	376.92	0	0	0	0	-245	-5.2	196.03	165.33	0	0	0
HIMACHAL PRADESH	-17.55	-64.6	-22.83	-151.29	0	0	0	-18.66	-64.5	-69	-32.31	0	0	0
J&K(UT) & LADAKH(UT)	-300	0	0	-650	0	0	0	-313	-48.3	-16.3	206.67	0	0	0
CHANDIGARH	39.83	0	-40	0	0	0	0	58.52	0	-105	0	0	0	0
RAILWAYS_NR ISTS	36.21	0	29	0	0	0	0	36.21	0	17.25	7.09	0	0	0
TOTAL	4,522.48	42.01	1,154.11	-191.98	0	0	0	6,205.61	410.81	1,791.03	432.83	0	-680.85	127.23

State	Day Energy (MU)					
	GNA schedule		T-GNA Bilateral (MW)	GDAM Schedule		Total (MU)
PUNJAB	121.13		26.17	0.43		176.65
HARYANA	139.99		57.7	1.59		199.54
RAJASTHAN	98.99		18.34	-0.24		125.57
DELHI	95.98		18.3	0.63		126.63
UTTAR PRADESH	192.27		11.44	3.48		220.86
UTTARAKHAND	24.85		-5.5	-0.07		24.12
HIMACHAL PRADESH	10.95		-3.61	-1.14		4.23
J&K(UT) & LADAKH(UT)	41.03		-3.06	-0.37		31.91
CHANDIGARH	6.48		0.79	0.24		6.59
RAILWAYS_NR ISTS	2.63		0.87	0.13		4.02
TOTAL	734.3		121.44	4.68		920.12

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	5,399.13	4,553.63	1,441.28	932.1	202.04	0	0	0
HARYANA	6,527.9	4,995.69	2,784.1	2,190.39	119.29	0	0	0
RAJASTHAN	5,016.57	2,564.12	982.22	539.65	39.44	-45.9	0	0
DELHI	4,586.06	3,497.27	906.47	546.53	189.96	0	0	0
UTTAR PRADESH	10,033.14	5,711.32	1,831.66	-40.36	584.85	-4.8	9.18	0
UTTARAKHAND	1,344.81	776.03	-202.46	-245	-0.49	-7.2	0	0
HIMACHAL PRADESH	1,034.88	84.38	9.16	-478.89	28.88	-64.6	0	0
J&K(UT) & Ladakh(UT)	1,852.83	1,640.76	0	-313	0	-48.3	0	0
CHANDIGARH	355.1	207.28	58.52	0	58	0	0	0
RAILWAYS_NR ISTS	122.3	103.25	36.21	36.21	27.07	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	676.69	-189.97	0	-150	3,286.78	-700	0	-100
HARYANA	494.27	-161.13	0	-630.85	435.02	-623.94	0	0
RAJASTHAN	605.78	-106	0	0	1,271.11	-848.45	193.34	0
DELHI	752.09	-113.33	0	0	725.02	-8.6	0	0
UTTAR PRADESH	2,966.66	-296.4	0	0	347.35	-1,428.42	0	0
UTTARAKHAND	519.5	18.27	0	0	289.43	-280	0	0
HIMACHAL PRADESH	-16.48	-82.18	0	0	125.9	-197.85	0	0
J&K(UT) & LADAKH(UT)	0	-16.3	0	0	232.47	-680	0	0
CHANDIGARH	58	-120	0	0	67.67	-43	0	0
RAILWAYS_NR ISTS	29	0	0	0	7.09	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	510.49	1,575	502.33	1,193	872.02	983.95
Chamera-I	748.75	760	753.95	757.42	10	-	-	216.39	273.82
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.95	5	610.85	5	223	228.2
Pong	384.05	426.72	1,084	423.85	1,082	415.69	706	489.63	483.62
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	524.66	361	498.31	82	285.1	262.95
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	828.66	1,136	828.04	1,123	328.26	219
TOTAL	-	-	-	-	4,169	-	3,109	2,414.4	2,451.54

**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

**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
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**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
No Records Found							

**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	0.97	500.199	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. 224 BUS SECTIONALIZER BAY - 220 KV BIKANER\_2 (PBTSL) - BUS 6 (PBTSL) AND 220 KV BIKANER\_2 (PBTSL) - BUS 4 AT 220 KV BIKANER\_2 (PBTSL) (PBTSL) at 21:19hrs.

**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**