



GRID CONTROLLER OF INDIA (GRID-INDIA)

NORTHERN REGIONAL LOAD DESPATCH CENTRE

DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 29-Jul-2025

Date of Reporting:30-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
77,485	0	77,485	49.89	70,680	0	70,680	49.98	1,728	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	96.38	19.17	0	4.46	0	1.85	121.86	215.21	212.91	-2.3	334.77	0	334.77
HARYANA	54.54	1.01	0	0.95	0	0.85	57.35	212.19	208.68	-3.51	266.03	0	266.03
RAJASTHAN	109.24	5.1	1.74	34.52	50.75	5.31	206.65	104.81	91.53	-13.28	298.18	0	298.18
DELHI	0	0	10.68	0	0	1.59	12.27	129.02	127.79	-1.23	140.06	0	140.06
UTTAR PRADESH	249.1	22.9	0	10.2	0	0.8	283	255.16	254.02	-1.14	537.02	0	537.02
UTTARAKHAND	0	21.97	0	0.26	0	0	22.23	28.89	29.38	0.49	51.61	0	51.61
HIMACHAL PRADESH	0	40.71	0	0.18	0	0	40.89	-3.31	-3.68	-0.37	37.21	0	37.21
J&K(UT) & Ladakh(UT)	0	24.88	0	0	0	0	24.88	28.12	27.48	-0.64	52.36	0	52.36
CHANDIGARH	0	0	0	0	0	0	0	7.03	7.15	0.12	7.15	0	7.15
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.73	4.03	0.3	4.03	0	4.03
Region	509.26	135.74	12.42	50.57	50.75	10.4	769.13	980.85	959.29	-21.56	1,728.42	0	1,728.42

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	13,021	0	-197	1,762	13,966	13,164	0	-251	3,354
HARYANA	11,676	0	-272	2,723	11,233	11,304	0	-51	3,231
RAJASTHAN	13,140	0	212	782	12,540	11,461	0	-125	557
DELHI	5,895	0	-103	1,150	5,826	5,786	0	167	1,341
UTTAR PRADESH	26,835	0	173	3,384	22,255	23,650	0	-41	1,845
UTTARAKHAND	2,422	0	-29	18	2,154	1,913	0	17	68
HIMACHAL PRADESH	1,533	0	-36	-601	1,549	1,369	0	39	-480
J&K(UT) & Ladakh(UT)	2,480	0	-78	-344	2,182	1,549	0	-67	-1,262
CHANDIGARH	296	0	-5	-46	298	294	0	15	-26
RAILWAYS_NR ISTS	187	0	18	61	168	189	0	20	61
Region	77,485	0	-317	8,889	72,171	70,679	0	-277	8,689

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	15,180	15:00	0	15,180	15,180	15:00	0	15,180	12,724	23:00	1,103.94	18:29:00	-744.5	09:47:00
HARYANA	11,790	14:00	0	11,790	11,790	14:00	0	11,790	10,343	7:00	824.13	10:46:00	-300.78	16:44:00
RAJASTHAN	13,654	22:00	0	13,654	13,654	22:00	0	13,654	11,145	4:00	2,727.98	08:59:00	-984.59	19:59:00
DELHI	6,939	0:00	0	6,939	6,939	0:00	0	6,939	5,096	9:00	473.6	09:17:00	-276.09	11:29:00
UP	27,050	21:00	0	27,050	27,050	21:00	0	27,050	17,187	7:00	2,423.04	19:01:00	-919.36	06:01:00
UTTARAKHA ..	2,428	19:00	0	2,428	2,428	19:00	0	2,428	1,886	4:00	338.39	15:23:00	-307.41	06:35:00
HP	1,722	10:00	0	1,722	1,722	10:00	0	1,722	1,312	4:00	105.16	20:32:00	-126.53	04:29:00
J&K(UT)&Lad ..	2,550	16:00	0	2,550	2,550	16:00	0	2,550	1,536	4:00	457.23	22:58:00	-248.4	07:00:00
CHANDIGARH	316	0:00	0	316	316	0:00	0	316	281	5:00	33.04	15:01:00	-35.21	04:48:00
RAILWAYS_NR ISTS	203	23:00	0	203	203	23:00	0	203	109	13:00	0	-	0	-
NR	78,346	21:00	0	78,346	78,346	21:00	0	78,346	65,111	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	266	266	270.43	14:00	0		6.68	6.31	263
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	37	37	38.52	15:00	0		0.91	0.85	35
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	147	147	148.54		0		3.62	3.52	147
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	450	450					11.21	10.68	445
WIND	0	0	0	0		0				
BIOMASS(52)	52	53	51	0		0		1.61	1.59	66
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	503	501					12.82	12.27	511

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	341	340	462	18:00	332	08:30	9.07	8.2	342
JHAJJAR(CLP)(2 * 660)	1,320	862	759	1,176	22:00	729	13:15	21.4	19.98	833
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	364	527	541	01:00	344	09:45	10.39	9.17	382
RGTPP(KHEDAR)(2 * 600)	1,200	734	715	860	18:00	707	07:00	17.79	17.2	717
Total THERMAL	3,855	2,301	2,341					58.65	54.55	2,274
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	41	42	44	00:00	30	17:15	1.01	1.01	42
Total HYDEL	65	41	42					1.01	1.01	42
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		0.85	0.85	35
SOLAR(196)	196	0	0	0		0		0.95	0.95	40
Total HARYANA	4,654	2,342	2,383					61.46	57.36	2,391

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	199	180	199	20:00	100	16:00	3.85	3.85	160
BASPA (IPP) HPS(3 * 100)	300	314	315	316	01:00	314	20:00	7.57	7.47	311
MALANA (IPP) HPS(2 * 43)	86	95	91	95	01:00	40	11:00	1.69	1.69	70
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	94	37	111	08:00	37	03:00	1.78	1.78	74
OTHER HYDRO HP(503.75)	504	414	377	0		0		8.94	8.91	371
Total HYDEL	1,281	1,116	1,000					23.83	23.7	986
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	752	745	0		0		17.03	17.02	709
Total SMALL HYDRO	765	752	745					17.03	17.02	709
Total HP	2,065	1,868	1,745					41.04	40.9	1,703

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		21.31	21.31	888
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		3.57	3.57	149
Total HYDEL	1,208	0	0					24.88	24.88	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					24.88	24.88	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	479	491	01:00	290	09:00	10.1	9.25	385
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	565	544	608	22:00	392	14:00	13.81	12.42	518
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	816	828	833	21:00	616	14:00	18.89	17.15	715
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	1,320	1,320	01:00	795	10:00	30.37	29.01	1,209
TALWANDI SABO TPS(3 * 660)	1,980	1,783	1,160	1,841	21:00	625	10:00	30.81	28.56	1,190
Total THERMAL	5,680	4,975	4,331					103.98	96.39	4,017
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	115	116	117	06:00	112	18:00	2.76	2.76	115
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	207	208	208	01:00	121	14:00	4.29	4.28	178
RANJIT SAGAR POWER PLANT (4 * 150)	600	420	0	420	13:00	0	02:00	5.9	5.88	245
SHANAN(4 * 15 + 1 * 50)	110	60	60	110	22:00	60	01:00	1.59	1.59	66
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	884	466					19.21	19.18	799
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.85	1.85	77
SOLAR(881)	881	61	43	454	12:00	39	02:00	4.46	4.46	186
Total PUNJAB	8,025	5,920	4,840					129.5	121.88	5,079

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	221	221	223	02:00	144	14:00	5.48	4.83	201
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,247	1,133	1,247	20:00	1,111	16:00	29.08	26.36	1,098
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	136	325	430	01:00	271	15:00	6.76	6.19	258
KAWAI TPS(2 * 660)	1,320	735	739	1,184	22:00	719	10:00	20.78	19.46	811
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	748	738	919	23:00	728	11:00	21.09	18.71	780
RAJWEST (IPP) LTPS(8 * 135)	1,080	648	721	749	02:00	524	14:00	16.43	14.25	594
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	1,001	639	1,356	22:00	665	06:00	25	19.43	810
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	4,736	4,516					124.62	109.23	4,552
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	71	69	71	00:00	69	07:00	1.8	1.74	73
Total GAS/NAPTHA/DIESEL	601	71	69					1.8	1.74	73
RAPS-A(1 * 100 + 1 * 200)	300	147	150	151	09:00	149	17:00	3.9	3.61	150
Total NUCLEAR	300	147	150					3.9	3.61	150
TOTAL HYDRO RAJASTHAN(550)	550	216	207	217	21:00	207	06:00	5.11	5.1	213
Total HYDEL	550	216	207					5.11	5.1	213
WIND(1 * 4328)	4,328	2,275	1,743	2,612	10:00	1,646	15:00	50.75	50.75	2,115
BIOMASS(102)	102	71	71	71	01:00	71	06:00	1.7	1.7	71
SOLAR(4568)	4,568	50	0	4,336	13:00	0	06:00	34.52	34.52	1,438
Total RAJASTHAN	21,064	7,566	6,756					222.4	206.65	8,612

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	761	1,174	1,174	03:00	533	12:00	22.4	20.8	867
ANPARA-C TPS(2 * 600)	1,200	1,101	1,105	1,110	01:00	652	09:00	25.7	23.7	988
ANPARA-D TPS(2 * 500)	1,000	936	935	942	02:00	669	12:00	23	21.6	900
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	287	226	287	20:00	224	13:00	6	5.4	225
BARA PPGCL TPS(3 * 660)	1,980	1,117	1,713	1,726	02:00	705	16:00	31.3	28.9	1,204
GHATAMPUR TPS (1*660)	660	559	564	567	02:00	307	10:00	11.9	10.7	446
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	684	575	771	22:00	554	10:00	16.3	14.7	613
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	591	590	608	20:00	346	13:00	13.7	12.4	517
LALITPUR TPS(3 * 660)	1,980	1,431	1,040	1,803	07:00	1,001	08:00	32.4	30.3	1,263
MEJA TPS(2 * 660)	1,320	1,197	1,130	1,241	01:00	678	07:00	23.9	22.4	933
OBRA TPS (5 * 200+1*660)	1,660	1,499	1,157	1,499	20:00	1,143	01:00	32.7	29.5	1,229
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS(2 * 210 + 2 * 250)	920	606	497	738	22:00	482	19:00	13.6	12.3	513
ROSA TPS(4 * 300)	1,200	597	615	1,013	22:00	577	09:00	17.9	16.4	683
TANDA TPS(4 * 110)	440	0	0	0		0				
Total THERMAL	19,190	11,366	11,321					270.8	249.1	10,381
ALAKHANANDA HEP(4 * 82.5)	330	343	345	347	07:00	341	23:59	8.3	8.3	346
RIHAND HPS(6 * 50)	300	280	255	285	22:00	250	09:00	6.4	6.4	267
VISHNUPARYAG HPS(4 * 110)	440	0	0	436	05:00	0	01:00	3.9	3.9	163
OTHER HYDRO UP(227)	227	174	178	182	01:00	163	13:00	4.3	4.3	179
Total HYDEL	1,297	797	778					22.9	22.9	955
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	1,404	13:00	0	01:00	10.2	10.2	425
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	12,198	12,134					304.7	283	11,794

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	1,063	690	1,081	12:00	690	02:00	22.03	21.97	915
Total HYDEL	1,250	1,063	690					22.03	21.97	915
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	46	14:00	4	18:00	0.26	0.26	11
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,063	690					22.29	22.23	926

(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	907	874	1,476	21:45	816	04:15	20.21	21.9	20.19	0.28	841	-0.3
Sub-Total	1,500	1,411	907	874	-	-	-	-	20.21	21.9	20.19	0.28	841	-0.3
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,392	1,425	952	1,425	20:00	0	-	21.53	22.17	21.86	0	911	0.33
DEHAR HPS(6 * 165)	990	480	495	495	495	20:00	0	-	11.52	11.94	11.67	0	486	0.15
PONG HPS(6 * 66)	396	303	310	310	360	10:00	0	-	6.79	6.99	6.83	0	285	0.04
Sub-Total	2,801	2,175	2,230	1,757	-	-	-	-	39.84	41.1	40.36	0	1,682	0.52
INFIRM														
TEHRI PSP	1,000	200	200	0	200	-	0	-	0.9	0.67	0.9	0	38	0
Sub-Total	1,000	200	200	0	-	-	-	-	0.9	0.67	0.9	0	38	0
NHPC														
BAIRASIUL HPS(3 * 60)	180	186	187	184	187	19:45	0	17:15	2.31	2.16	2.14	0	89	-0.17
CHAMERA I HPS(3 * 180)	540	535	537	536	541	13:00	534	22:00	12.81	12.96	12.8	0	533	-0.01
CHAMERA II HPS(3 * 100)	300	312	306	301	306	21:00	298.8	15:00	7.16	7.22	7.17	0.01	299	0
CHAMERA III HPS(3 * 77)	231	240	234	232	237	02:00	0	-	5.51	5.6	5.54	-0.03	231	0.06
DHAULIGANGA HPS(4 * 70)	280	292	284	284	285	06:00	211.8	01:00	6.69	6.75	6.73	0	280	0.04
DULHASTI HPS(3 * 130)	390	385	378	374	379	16:00	369.2	08:00	8.93	9.01	8.9	0	371	-0.03
KISHANGANGA(3 * 110)	330	336	336	328	336	20:00	0	-	6.71	6.79	6.77	0	282	0.06
PARBATI III HEP(4 * 130)	520	200	390	253	394	22:00	223.9	12:00	4.4	6.79	6.75	0	281	2.35
PARBATI-II(4 * 200)	800	-	224	185	408	22:00	168.4	11:00	-	4.93	4.77	0	199	-
SALAL HPS(6 * 115)	690	680	700	702	702	03:00	685	05:00	16.23	16.57	16.39	0	683	0.16
SEWA-II HPS(3 * 40)	120	126	126	121	127	21:00	0	-	2.82	2.92	2.88	0	120	0.06
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	103	104	104	03:00	0	-	2.26	2.48	2.45	0	102	0.19
URI HPS(4 * 120)	480	430	441	456	458	00:00	344	10:15	10.33	10.53	10.45	0	435	0.12
URI-II HPS(4 * 60)	240	200	223	223	223	17:00	221.83	00:00	4.89	5.33	5.29	0	220	0.4
Sub-Total	5,195	4,015	4,469	4,283	-	-	-	-	91.05	100.04	99.03	-0.02	4,125	3.23
NPCL														
NAPS(2 * 220)	440	190	214	216	220	12:00	211	10:00	4.56	5.18	4.6	0	192	0.04
RAPP-D	700	260	0	0	0	-	0	-	6.24	7.43	6.18	0	258	-0.06
RAPS-B(2 * 220)	440	365	416	412	418	15:00	407	01:00	8.76	9.97	8.83	0	368	0.07
RAPS-C(2 * 220)	440	404	444	446	446	01:00	444	20:00	9.7	10.78	9.67	0	403	-0.03
Sub-Total	2,020	1,219	1,074	1,074	-	-	-	-	29.26	33.36	29.28	0	1,221	0.02
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	376	0	0	0	-	0	-	0	0	0.08	0	3	0.08
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	610	0	0	0	-	0	-	0	0	0.07	0	3	0.07
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	800	0	0	0	-	0	-	0	0	0.04	0	2	0.04
DADRI-I TPS(4 * 210)	840	576	353	348	434	22:15	0	-	6.63	9.11	8.94	0	373	2.31
DADRI-II TPS(2 * 490)	980	919	562	532	906	22:15	0	-	12.81	13.9	12.93	0	539	0.12
KOLDAM HPS(4 * 200)	800	871	868	868	879	00:00	0	-	20.91	21	20.89	0	870	-0.02
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	3.56	3.51	3.51	0	146	-0.05
RIHAND-I STPS(2 * 500)	1,000	920	996	1,004	1,005	21:00	558	16:00	19.15	20.73	18.87	-0.09	786	-0.19
RIHAND-II STPS(2 * 500)	1,000	943	1,013	1,007	1,018	21:00	556	16:00	19.75	20.94	19.55	-0.09	815	-0.11
RIHAND-III STPS(2 * 500)	1,000	943	991	996	1,015	22:00	923	12:00	19.76	20.67	19.46	-0.1	811	-0.2
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	915	1,097	1,000	1,461	00:00	587	15:00	19.65	22.07	19.33	0	805	-0.32
TANDA TPS STAGE-II(2 * 660)	1,320	1,244	1,224	810	1,224	20:00	0	-	23.23	24.67	22.99	0	958	-0.24
UNCHAHAH II TPS(2 * 210)	420	379	364	258	417	21:30	241	08:30	6	7.02	6.21	0.35	259	-0.14
UNCHAHAH III TPS(1 * 210)	210	191	176	126	210	23:00	120	04:00	3.05	3.48	3.12	0.13	130	-0.06
UNCHAHAH IV TPS(1 * 500)	500	466	494	313	502	19:30	294	15:00	7.76	8.59	7.94	0.3	331	-0.12
UNCHAHAH TPS(2 * 210)	420	365	246	244	392	22:00	237	13:00	5.46	6.37	5.46	0	228	0
Sub-Total	12,655	10,518	8,384	7,506	-	-	-	-	167.72	182.06	169.39	0.5	7,059	1.17
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,649	1,649	1,650	21:00	1,626	04:00	38.81	39.44	39.14	0	1,631	0.33
RAMPUR HEP(6 * 68.67)	412	449	449	450	451	10:00	437	13:00	10.54	10.88	10.8	0	450	0.26
Sub-Total	1,912	2,079	2,098	2,099	-	-	-	-	49.35	50.32	49.94	0	2,081	0.59
THDC														
KOTESHWAR HPS(4 * 100)	400	396	395	191	396	21:00	90	06:00	4.29	4.4	4.38	0.06	183	0.03

TEHRI HPS(4 * 250)	1,000	892	904	890	904	20:00	0	08:00	11.79	11.96	11.91	0.01	496	0.11
Sub-Total	1,400	1,288	1,299	1,081	-	-	-	-	16.08	16.36	16.29	0.07	679	0.14
Total	28,483	22,905	20,661	18,674					414.41	445.81	425.38	0.83	17,726	5.37

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	113	105	113	21:00	0	-	2.5	2.56	2.53	105	0.03
BUDHIL HPS (IPP)(2 * 35)	70	69	76	77	77	08:00	75.42	15:00	1.82	1.84	1.83	76	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	27.16	26.98	1,124	-0.05
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	336	334	87	334	20:00	0	-	3.73	3.99	3.7	154	-0.03
SINGOLI BHATWARI HEP(3 * 33)	99	107	0	109	109	03:00	0	-	1.85	1.56	1.54	64	-0.31
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	100	103	103	103	11:00	0	-	2.4	2.32	2.31	96	-0.09
Sub-Total	1,906	1,842	1,766	1,621	-	-	-	-	39.33	39.43	38.89	1,619	-0.44
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.82	2.45	2.45	102	-0.37
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.6	1.71	1.71	71	0.11
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	201	13:17	0	-	1.48	1.5	1.5	63	0.02
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	305	13:19	0	-	2.06	2.09	2.08	87	0.02
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	2.03	2.13	2.13	89	0.1
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	306	13:19	0	-	2.06	2.05	2.04	85	-0.02
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	301	12:01	0	-	2.05	2	1.99	83	-0.06
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.52	1.48	1.48	62	-0.04
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	294	12:49	0	-	2.03	2.04	2.04	85	0.01
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.66	0.71	0.71	30	0.05
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.66	0.68	0.68	28	0.02
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	435	15:06	0	-	2.51	2.6	2.59	108	0.08
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	197	12:40	0	-	1.34	1.46	1.46	61	0.12
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	153	12:15	0	-	1.03	1.1	1.1	46	0.07
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	141	13:15	0	-	0.98	1.04	1.04	43	0.06
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.3	0.29	0.29	12	-0.01
ADANI SOLAR ENERGY RJ TWO PVT LTD. BHADLA(1*150)	150	0	0	0	150	11:37	0	-	1.09	1.15	1.15	48	0.06
ADANI SOLAR ENERGY RJ TWO PVT LTD. FATEGARH 2(1*180)	180	0	0	0	181	12:36	0	-	1.25	1.32	1.31	55	0.06
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	108	14:51	0	-	0.68	0.7	0.7	29	0.02
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	334	14:58	0	-	1.9	1.86	1.85	77	-0.05
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.62	0.62	0.62	26	0
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	93	14:47	0	-	0.63	0.61	0.61	25	-0.02
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.12	0.11	0.1	4	-0.02
AVAADA RIJN PRIVATE LIMITED(1*240)	240	0	0	0	241	12:30	0	-	1.58	1.63	1.63	68	0.05
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	329	15:10	0	-	2.11	2.16	2.16	90	0.05
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	311	11:04	0	-	2.13	2.27	2.26	94	0.13
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	283	15:05	0	-	1.88	1.86	1.86	78	-0.02
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	298	10:52	0	-	1.89	1.87	1.87	78	-0.02
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	241	15:01	0	-	1.49	1.48	1.48	62	-0.01
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	568	11:00	0	-	3.81	3.97	3.97	165	0.16
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	174	12:19	0	-	1.12	1.26	1.26	53	0.14
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	267	12:13	0	-	2.04	2.1	2.1	88	0.06
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	132	12:40	0	-	0.84	0.96	0.96	40	0.12
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1.09	1.65	1.65	69	0.56
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	289	11:38	0	-	1.91	2.06	2.06	86	0.15
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	241	12:51	0	-	1.57	1.68	1.68	70	0.11
DADRI SOLAR(5)	5	0	0	0	3	-	0	-	0.01	0.01	0.01	0	0

DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.55	1.42	1.42	59	-0.13
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	218	12:38	0	-	0.93	1.53	1.52	63	0.59
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	293	11:11	0	-	1.95	2.02	2.02	84	0.07
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	283	10:54	0	-	1.98	2.13	2.09	87	0.11
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.61	1.81	1.81	75	0.2
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	92	14:48	0	-	0.56	0.6	0.6	25	0.04
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	90	14:46	0	-	0.55	0.56	0.56	23	0.01
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.29	1.27	1.27	53	-0.02
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	44	14:36	0	-	0.25	0.27	0.27	11	0.02
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	175	14:35	0	-	0.99	1.1	1.09	45	0.1
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.56	1.51	1.51	63	-0.05
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.13	3.28	3.28	137	0.15
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	50	12:45	0	-	0.35	0.38	0.38	16	0.03
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	50	12:43	0	-	0.35	0.38	0.38	16	0.03
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	270	11:15	0	-	1.88	1.96	1.96	82	0.08
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	88	14:47	0	-	0.6	0.6	0.59	25	-0.01
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.57	1.65	1.65	69	0.08
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.62	1.66	1.66	69	0.04
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.18	0.18	0.18	8	0
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.89	0.9	0.9	38	0.01
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.51	1.62	1.62	68	0.11
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	261	11:33	0	-	1.56	1.72	1.72	72	0.16
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	242	14:56	0	-	1.41	1.45	1.45	60	0.04
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	267	10:57	0	-	1.84	1.84	1.84	77	0
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	219	10:58	0	-	0.36	0.31	0.31	13	-0.05
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.5	1.48	1.48	62	-0.02
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	255	11:11	0	-	1.86	1.87	1.87	78	0.01
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	265	14:48	0	-	1.61	1.44	1.44	60	-0.17
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	1.04	0.94	0.94	39	-0.1
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	198	14:28	0	-	1.21	1.18	1.17	49	-0.04
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.88	1.66	1.66	69	-0.22
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	95	14:28	0	-	0.6	0.56	0.5	21	-0.1
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	199	12:33	0	-	1.41	1.46	1.45	60	0.04
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	181	13:44	0	-	1.26	1.43	1.43	60	0.17
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	298	11:04	0	-	1.96	2.06	2.06	86	0.1
SJVN GREEN ENERGY LIMITED	242	0	0	0	445	14:55	0	-	2.26	2.53	2.5	104	0.24
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED _BKN2	168	0	0	0	0	-	0	-	1.02	1.12	1.12	47	0.1
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	227	15:28	0	-	1.39	1.46	1.46	61	0.07
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.03	0.03	0.03	1	0
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	233	11:04	0	-	1.63	1.57	1.57	65	-0.06
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	83	14:48	0	-	0.15	0.54	0.54	23	0.39
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	220	12:25	0	-	1.53	1.5	1.5	63	-0.03
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	257	11:01	0	-	1.67	1.77	1.77	74	0.1
TATA POWER SAURYA LIMITED	110	0	0	0	87	14:18	0	-	0.58	0.57	0.57	24	-0.01
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	287	10:48	0	-	1.88	1.87	1.87	78	-0.01
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.37	0.55	0.55	23	0.18
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	98	14:48	0	-	0.62	0.64	0.64	27	0.02
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	49	14:48	0	-	0.33	0.32	0.32	13	-0.01
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.35	0.29	0.29	12	-0.06
UNCHAHAR SOLAR(10)	10	0	0	0	7	13:00	0.442	07:00	0.02	0.03	0.03	1	0.01
XL XERGI POWER PRIVATE LIMITED	400	0	0	0	213	14:56	0	-	1.85	1.33	1.31	55	-0.54

Sub-Total	18,398	0	0	0	-	-	-	-	115.37	119.01	118.73	4,953	3.36
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	585	12:19	0	-	4.44	4.95	4.94	206	0.5
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	6.97	7.46	7.46	311	0.49
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	348	13:05	0	-	2.52	2.75	2.75	115	0.23
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	65	78	97	09:15	0	-	1.25	1.76	1.76	73	0.51
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	283	-	0	-	2.18	2.38	2.38	99	0.2
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	54	54	69	06:15	0	-	0.93	1.12	1.12	47	0.19
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	271	11:15	0	-	2.15	2.4	2.4	100	0.25
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	59	63	72	05:30	0	-	0.94	1.32	1.32	55	0.38
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	377	15:01	0	-	1.98	2.01	2.01	84	0.03
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	96	76	105	10:30	0	-	1.53	1.96	1.96	82	0.43
Sub-Total	2,846	0	274	271	-	-	-	-	24.89	28.11	28.1	1,172	3.21
Total	23,150	1,842	2,040	1,892					179.59	186.55	185.72	7,744	6.13

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	31,460	29,049	819.09	769.17	32,053
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		3,745	5,564	372.67	372.67	11,364
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-8	-20	0.3	0.3	-18
Total Regional Availability(Gross)	118,107	57,898	55,159	1,824.42	1,753.24	68,869

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,596	11,622	264.93	262.6	10,940
State Control Area Hydro	7,855	4,869	3,928	136	135.76	5,656
Total Regional Hydro	22,577	17,465	15,550	400.93	398.36	16,596

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,489	274	271	150.63	150.34	6,271
State Control Area Renewable	13,630	2,510	1,908	107.33	107.31	4,472
Total Regional Renewable	35,119	2,784	2,179	257.96	257.65	10,743

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,623	0	0	137.01	136.72	5,703
State Control Area Solar	8,586	111	43	50.57	50.57	2,108
Total Solar	29,209	111	43	187.58	187.29	7,811

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	274	271	13.62	13.62	568
State Control Area Wind	4,328	2,275	1,743	50.75	50.75	2,115
Total Wind	5,194	2,549	2,014	64.37	64.37	2,683

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)	20	20	-	35	0	0.71	-0.71
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0	0	0
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.2	0	1.2
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.87	0	0.87
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0	0.27	-0.27
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	1.21	0	1.21
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	6.05	0	6.05
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-	-	-	-	3.85	0	3.85
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-	-	-	-	5.37	0	5.37
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	2.57	0	2.57

Import/Export between EAST REGION and NORTH REGION								
13	400KV-Varanasi (PG)-Sasaram(PG)	-43	-52	92	0	1.46	0	1.46
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	11.95	0	11.95
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	1.25	0	1.25
16	765KV-Varanasi (PG)-Gaya(PG)	-474	-464	641	0	1.49	0	1.49
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	17.23	0	17.23
Sub-Total EAST REGION		-497	-496	733	35	54.5	0.98	53.52
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	8.45	0	8.45
Sub-Total NORTH_EAST REGION		0	0	0	0	8.45	0	8.45
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)	80	95	-	114	0.74	0	0.74
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	96	94	118	-	2.48	0	2.48
6	220KV-Ranpur (RS)-Bhanpura(MP)	95	91	97	-	2.1	0	2.1
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-375	-563	711	343	5.02	0	5.02
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0.38	0	0.38
10	400KV-RAPS C (NP)-Sujalpur	-596	-480	625	409	3.41	0	3.41
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-612	-448	0	-612	0	6.78	-6.78
13	765KV-0rai-Jabalpur	2,790	2,327	2,871	0	39.62	0	39.62
14	765KV-0rai-Satna	1,096	1,028	1,116	0	15.06	0	15.06
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	45.27	0	45.27
16	765KV-Chittorgarh-Banaskata D/C	-724	-679	1,186	-113	15.5	0	15.5
17	765KV-Phagi (RJ)-Gwalior(PG)	1,487	1,449	1,750	1,007	14.23	0	14.23
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-3,247	-3,002	-3,312	0	62.43	0	62.43
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	2,002	1,998	2,502	0	46.6	0	46.6
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	150	150	150	0	3.62	0	3.62
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	2,000	4,000	4,000	0	61.02	0	61.02
Sub-Total WEST REGION		4,242	6,060	11,814	1,148	317.48	6.78	310.7
TOTAL IR EXCHANGE		3,745	5,564	12,547	1,183	380.43	7.76	372.67

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	100.81	14.09	0	0	0	98.43	53.52	-44.91
	0	0	0	0	0	0	8.45	8.45
NR-WR	179.59	110.02	0	15.26	0	305.37	310.7	5.33
Total	280.4	124.11	0	15.26	0	403.8	372.67	-31.13

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)	-8	-20	38.304	56	0.4	0.1	0.3	0
132KV-Nautanwa (UP)-Mainhiya (Nepal)							0	0

5.Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	< 50.0	>= 49.9 - <= 50.05	> 50.05 - <= 50.1	> 50.1 - <= 50.2	> 50.2	> 50.05
%	0	0	0	2.37	40.2	74.47	18.13	4.43	.6	23.16

<-----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.	
50.27	13:05:40	49.81	20:41:10	50.01	0.034	0.057	50.21	49.87	25.53

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	416	02:25	401	14:50	0	0	0	0	0
Amritsar(PG) - 400KV	408	18:45	390	14:45	0	.35	0	0	0
Ballabgarh(PG) - 400KV	415	05:00	392	14:50	0	0	0	0	0
Bareilly II(PG) - 400KV	418	07:00	398	20:45	0	0	0	0	0

Bareilly(UP) - 400KV	419	07:00	399	20:45	0	0	0	0	0
Baspa(HP) - 400KV	404	18:35	392	00:00	0	0	0	0	0
Bassi(PG) - 400KV	417	04:00	397	14:50	0	0	0	0	0
Bawana(DTL) - 400KV	414	05:00	397	14:50	0	0	0	0	0
Dadri HVDC(PG). - 400KV	409	18:45	399	14:50	0	0	0	0	0
Gorakhpur(PG) - 400KV	417	07:25	388	19:20	0	3.47	0	0	0
Hisar(PG) - 400KV	417	03:55	391	14:50	0	0	0	0	0
Kanpur(PG) - 400KV	420	07:00	398	20:40	0	0	0	0	0
Kashipur(UT) - 400KV	419	07:00	408	19:55	0	0	0	0	0
Kishenpur(PG) - 400KV	414	05:00	401	14:50	0	0	0	0	0
Moga(PG) - 400KV	409	18:45	392	14:45	0	0	0	0	0
Nallagarh(PG) - 400KV	404	18:35	392	00:00	0	0	0	0	0
Rihand HVDC(PG) - 400KV	402	15:05	394	20:50	0	0	0	0	0
Rihand(NT) - 400KV	403	13:05	395	22:55	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	795	13:05	774	14:55	0	0	0	0	0
Balia(PG) - 765KV	793	06:50	743	19:55	0	0	0	0	0
Bareilly II(PG) - 765KV	798	07:00	755	19:55	0	0	0	0	0
Bhiwani(PG) - 765KV	796	04:00	760	14:40	0	0	0	0	0
Fatehpur(PG) - 765KV	795	13:05	739	19:55	0	3.82	0	0	0
Jhatikara(PG) - 765KV	791	05:00	744	14:45	0	0	0	0	0
Lucknow II(PG) - 765KV	799	07:00	746	19:55	0	0	0	0	0
Meerut(PG) - 765KV	799	07:00	762	14:50	0	0	0	0	0
Moga(PG) - 765KV	796	03:55	746	14:45	0	0	0	0	0
Phagi(RJ) - 765KV	801	03:55	762	15:20	0	0	.35	0	.35
Unnao(UP) - 765KV	782	08:10	744	19:55	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	4.14	0	1,542.08	0	0	0	1,761.99	0	0	0	0	0	0
HARYANA	2,920.93	68.91	0	240.95	0	0	0	3,197.03	0.14	11.66	-485.98	0	0	0
RAJASTHAN	597.56	-44.78	7.9	-4	0	0	0	857.7	-55.69	-16.3	-4	0	0	0
DELHI	1,153.98	0	-85	272.38	0	0	0	1,147.92	0	-111	113.43	0	0	0
UTTAR PRADESH	1,073.53	65.62	205.24	500.5	0	0	0	2,561.74	9.51	129.08	683.33	0	0	0
UTTARAKHA ..	-430	-10.4	266.97	240.95	0	0	0	-231.81	-12.8	295.89	-33.26	0	0	0
HIMACHAL PRADESH	-188.75	-85.2	-61.9	-143.7	0	0	0	-189.75	-85	-75.3	-250.7	0	0	0
J&K(UT) & LADAKH(UT)	-465	0	-14.4	-782.5	0	0	0	-415	-46.8	-14.4	132.62	0	0	0
CHANDIGARH	48.49	0	-74.1	0	0	0	0	105.89	0	-110	-42	0	0	0
RAILWAYS_NRI	36.1	6.25	18.79	0	0	0	0	36.1	0.3	24.67	0	0	0	0
TOTAL	6,554.66	4.54	263.5	1,866.66	0	0	0	8,831.81	-190.34	134.3	113.44	0	0	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	119.23	41.64	1.05	5.78	47.51	215.21
HARYANA	136.98	75.43	1.35	1.27	-2.84	212.19
RAJASTHAN	107.32	13.77	-1.05	-0.6	-14.63	104.81
DELHI	98.84	27.38	0.22	0.59	1.99	129.02
UTTAR PRADESH	223.81	19.28	0.87	0.32	10.68	255.16
UTTARAKHAND	28.01	-7.19	0.06	5.81	2.2	28.89
HIMACHAL PRADESH	12.78	-7.22	-1.6	-2.57	-4.7	-3.31
J&K(UT) & LADAKH(UT)	44.36	-4.43	-0.24	-0.19	-11.38	28.12
CHANDIGARH	7.06	1.49	0	-1.31	-0.21	7.03
RAILWAYS_NR ISTS	2.52	0.87	0.08	0.26	0	3.73
TOTAL	780.91	161.02	0.74	9.36	28.62	980.85

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	5,384.55	4,382.23	1,959.99	1,495.48	289.14	0	0	0
HARYANA	6,445.39	5,093.58	3,372.39	2,920.83	87.99	0	0	0
RAJASTHAN	5,060.29	3,833.95	886.7	308.42	10.36	-61.71	0	0
DELHI	4,596.06	3,640.08	1,530.36	903.39	145.53	0	0	0
UTTAR PRADESH	11,447.52	6,859.36	2,713.36	-83.03	99.78	5.81	0	0
UTTARAKHAND	1,397.86	937.96	-231.81	-430	21.28	-12.8	0	0
HIMACHAL PRADESH	1,123.64	170.99	-117.76	-619.51	-42.83	-85.2	0	0
J&K(UT) & Ladakh(UT)	1,899.59	1,745.92	0	-465	0	-46.8	0	0
CHANDIGARH	340.24	254.17	105.89	36.44	0	0	0	0
RAILWAYS_NR ISTS	112.91	83.29	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	993.32	-300	0	0	3,573.1	0	0	0
HARYANA	481.9	-491.63	0	0	240.95	-700	0	0
RAJASTHAN	37.57	-621.62	0	0	574.28	-2,574.94	0	0
DELHI	331.55	-215	0	0	348.24	-292.74	0	0
UTTAR PRADESH	342.86	-2,294.64	0	0	2,141.3	-677.31	0	0
UTTARAKHAND	407.69	67.08	0	0	316.03	-150.22	0	0
HIMACHAL PRADESH	-16.2	-260.54	0	0	37.21	-429.88	0	0
J&K(UT) & LADAKH(UT)	0	-14.4	0	0	185.63	-1,018.8	0	0
CHANDIGARH	0	-120.8	0	0	30.84	-54	0	0
RAILWAYS_NR ISTS	25.06	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	493.54	848	489.74	729	1,455.74	659.13
Chamera-I	748.75	760	753.95	756.02	13	-	-	379.22	350.88
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	609.65	4	610.5	5	303	292.5
Pong	384.05	426.72	1,084	411.26	535	402.04	266	3,422.91	449.59
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	507.92	197	471.74	29	370.4	322.09
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	794.47	516	792.25	485	414.89	303
TOTAL	-	-	-	-	2,113	-	1,514	6,346.16	2,377.19

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	2.43

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	1	8
DELHI	9	20
HARYANA	9	30
HIMACHAL PRADESH	4	14
J&K(UT) & Ladakh(UT)	7	25
PUNJAB	5	12
RAJASTHAN	9	36
UTTAR PRADESH	1	7
UTTARAKHAND	8	23

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	3,898	3,684	4979	22:15:00	88.07	3,669
NCR_DRAWAL	-	15,972	15,062	16645	23:30:00	352.34	14,681
NCR_DEMAND	-	19,870	18,746	21061	22:15:00	440.4	18,350
LADAKH_DEMAND	-	10	-7	23	09:15:00	0.15	6

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 :

1. First time charging of 400/33 kV 75 MVA ST 1 at Bara(UP) at 19:53 hrs

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