



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-Sep-2025

Date of Reporting:30-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
80,798	0	80,798	50.08	70,682	0	70,682	50.03	1,828	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	86.79	17.88	0	4.04	0	1.72	110.43	189.02	187.2	-1.82	297.63	0	297.63
HARYANA	57.27	0.79	0	1.08	0	0.83	59.97	207.11	206.37	-0.74	266.34	0	266.34
RAJASTHAN	150.99	3.57	1.95	39.89	21.24	5.67	223.31	124.42	125.21	0.79	348.52	0	348.52
DELHI	0	0	5.27	0	0	1.49	6.76	140	140.37	0.37	147.13	0	147.13
UTTAR PRADESH	301.3	29.2	0	13.1	0	0.6	344.2	255.8	265	9.2	609.2	0	609.2
UTTARAKHAND	0	24.04	0	0.52	0	0	24.56	27.71	27.98	0.27	52.54	0	52.54
HIMACHAL PRADESH	0	31.67	0	0.13	0	0	31.8	7.62	7.19	-0.43	38.99	0	38.99
J&K(UT) & Ladakh(UT)	0	21.99	0	0	0	0	21.99	33.92	33.81	-0.11	55.8	0	55.8
CHANDIGARH	0	0	0	0	0	0	0	6.74	7.03	0.29	7.03	0	7.03
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.97	4.43	0.46	4.43	0	4.43
Region	596.35	129.14	7.22	58.76	21.24	10.31	823.02	996.31	1,004.59	8.28	1,827.61	0	1,827.61

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	12,195	0	-314	975	12,314	10,163	0	-138	1,464
HARYANA	11,821	0	-296	1,871	11,186	10,610	0	71	2,635
RAJASTHAN	14,074	0	47	928	14,508	13,499	0	133	1,263
DELHI	6,404	0	16	1,466	6,124	5,658	0	251	1,712
UTTAR PRADESH	28,968	0	848	6,143	24,277	25,283	0	-110	2,724
UTTARAKHAND	2,507	0	-9	129	2,188	1,962	0	34	98
HIMACHAL PRADESH	1,665	0	-19	-30	1,623	1,280	0	-28	20
J&K(UT) & Ladakh(UT)	2,630	0	34	-184	2,325	1,796	0	90	-780
CHANDIGARH	333	0	22	-52	293	235	0	7	0
RAILWAYS_NR ISTS	202	0	33	68	185	196	0	27	58
Region	80,799	0	362	11,314	75,023	70,682	0	337	9,194

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	13,714	16:00	0	13,714	13,714	16:00	0	13,714	10,163	3:00	-	-	-	-
HARYANA	12,682	14:00	0	12,682	12,682	14:00	0	12,682	9,980	1:00	-	-	-	-
RAJASTHAN	15,821	14:00	0	15,821	15,821	14:00	0	15,821	13,395	4:00	-	-	-	-
DELHI	7,001	15:00	0	7,001	7,001	15:00	0	7,001	4,959	8:00	-	-	-	-
UP	28,968	20:00	0	28,968	28,968	20:00	0	28,968	19,063	7:00	-	-	-	-
UTTARAKHA ..	2,559	18:00	0	2,559	2,559	18:00	0	2,559	1,912	12:00	-	-	-	-
HP	1,896	7:00	0	1,896	1,896	7:00	0	1,896	1,280	3:00	-	-	-	-
J&K(UT)&Lad ..	2,667	7:00	0	2,667	2,667	7:00	0	2,667	1,768	4:00	-	-	-	-
CHANDIGARH	350	15:00	0	350	350	15:00	0	350	220	5:00	-	-	-	-
RAILWAYS_NR ISTS	211	22:00	0	211	211	22:00	0	211	128	13:00	-	-	-	-
NR	81,000	22:00	0	81,000	81,000	22:00	0	81,000	67,655	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	0	0	0	00:00	0	00:00	0	0	0
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	37	38	37.69	02:00	35	12:00	0.88	0.83	35
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	273	149	275.09	23:00	144	13:00	4.57	4.44	185
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	310	187					5.45	5.27	220
WIND	0	0	0	0		0				
BIOMASS(52)	52	60	60	61.74	02:00	57	15:00	1.71	1.49	62
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	370	247					7.16	6.76	282

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	501	344	501	20:00	342	16:00	9.78	8.82	368
JHAJJAR(CLP)(2 * 660)	1,320	1,207	749	1,230	00:00	738	08:00	22.72	21.25	885
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	459	358	459	20:00	356	02:00	9.99	9.03	376
RGTPP(KHEDAR)(2 * 600)	1,200	948	714	94	21:00	705	05:00	18.71	18.16	757
Total THERMAL	3,855	3,115	2,165					61.2	57.26	2,386
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	35	28	36	21:00	26	05:00	0.8	0.79	33
Total HYDEL	65	35	28					0.8	0.79	33
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		0.83	0.83	35
SOLAR(196)	196	0	0	0		0		1.08	1.08	45
Total HARYANA	4,654	3,150	2,193					63.91	59.96	2,499

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	74	91	107	22:00	38	07:00	1.9	1.9	79
BASPA (IPP) HPS(3 * 100)	300	299	185	299	20:00	185	03:00	5.7	5.63	235
MALANA (IPP) HPS(2 * 43)	86	76	53	80	18:00	33	11:00	1.35	1.35	56
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	37	111	07:00	37	03:00	1.35	1.35	56
OTHER HYDRO HP(503.75)	504	308	162	0		0		6.18	6.16	257
Total HYDEL	1,281	868	528					16.48	16.39	683
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	828	619	0		0		15.3	15.28	637
Total SMALL HYDRO	765	828	619					15.3	15.28	637
Total HP	2,065	1,696	1,147					31.91	31.8	1,325

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		18.25	18.25	760
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		3.74	3.74	156
Total HYDEL	1,208	0	0					21.99	21.99	916
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					21.99	21.99	916

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	145	491	18:00	145	02:00	7.52	6.65	277
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	444	425	444	17:00	425	03:00	11.51	10.28	428
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	823	616	824	19:00	608	15:00	18.45	16.91	705
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	660	1,320	18:00	660	01:00	23.12	21.88	912
TALWANDI SABO TPS(3 * 660)	1,980	1,770	1,138	1,800	22:00	924	08:00	33.39	31.08	1,295
Total THERMAL	5,680	4,848	2,984					93.99	86.8	3,617
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	108	108	108	01:00	108	01:00	2.67	2.67	111
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	186	183	188	13:00	167	23:45	4.47	4.46	186
RANJIT SAGAR POWER PLANT (4 * 150)	600	602	240	612	23:00	120	14:00	7.2	7.17	299
SHANAN(4 * 15 + 1 * 50)	110	70	70	70	01:00	70	01:00	1.71	1.71	71
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	966	601					17.92	17.88	745
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.72	1.72	72
SOLAR(881)	881	55	55	458	12:00	54	05:00	4.04	4.04	168
Total PUNJAB	8,025	5,869	3,640					117.67	110.44	4,602

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	207	110	215	00:00	109	08:00	3.77	3.98	166
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,754	1,648	1,770	22:00	1,224	13:00	40.57	37.52	1,563
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	956	988	1,002	01:00	641	11:00	22.06	20.36	848
KAWAI TPS(2 * 660)	1,320	620	611	620	20:00	365	11:00	13.38	12.53	522
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	1,036	968	1,061	07:00	740	10:00	24.34	21.71	905
RAJWEST (IPP) LTPS(8 * 135)	1,080	749	806	808	04:00	651	13:00	20.33	17.62	734
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	1,711	1,533	1,716	22:00	1,160	12:00	38.05	35.23	1,468
VSLPP (IPP)(1 * 135)	135	27	107	108	01:00	106.83	14:00	2.34	2.04	85
Total THERMAL	10,615	7,060	6,771					164.84	150.99	6,291
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	79	81	81	04:00	79	18:00	2.01	1.95	81
Total GAS/NAPTHA/DIESEL	601	79	81					2.01	1.95	81
RAPS-A(1 * 100 + 1 * 200)	300	176	177	177	04:00	175	14:00	4.64	4.3	179
Total NUCLEAR	300	176	177					4.64	4.3	179
TOTAL HYDRO RAJASTHAN(550)	550	146	142	160	00:00	142	06:00	3.58	3.57	149
Total HYDEL	550	146	142					3.58	3.57	149
WIND(1 * 4328)	4,328	986	1,155	1,392	19:00	245	09:00	21.24	21.24	885
BIOMASS(102)	102	57	57	57	01:00	57	06:00	1.38	1.38	58
SOLAR(6560)	6,560	0	0	5,504	14:00	0		39.89	39.89	1,662
Total RAJASTHAN	23,056	8,504	8,383					237.58	223.32	9,305

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	1,307	1,347	1,368	01:00	1,033	08:00	32.7	30.3	1,263
ANPARA-C TPS(2 * 600)	1,200	1,096	1,105	1,110	21:00	592	08:00	27.6	25.5	1,063
ANPARA-D TPS(2 * 500)	1,000	936	905	943	09:00	696	08:00	23.3	21.9	913
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	309	366	366	02:00	203	01:00	7.8	7	292
BARA PPGCL TPS(3 * 660)	1,980	1,533	942	1,557	23:59	810	08:00	31.6	29.2	1,217
GHATAMPUR TPS (2*660)	1,320	568	555	577	18:00	308	08:00	14	12.6	525
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	1,003	637	1,007	19:00	569	17:00	20	18.1	754
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	839	644	842	19:00	624	23:59	19.1	17.2	717
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(2 * 660)	1,320	600	594	608	15:00	326	08:00	14.6	13.2	550
LALITPUR TPS(3 * 660)	1,980	1,842	1,822	1,846	23:00	994	10:00	42.6	39.9	1,663
MEJA TPS(2 * 660)	1,320	1,181	1,225	1,236	23:00	670	07:00	27.9	26.2	1,092
OBRA TPS (5 * 200+2*660)	2,320	841	885	905	04:00	660	08:00	22.6	20.3	846
PANKI_I TPS(1 * 660)	660	276	0	336	23:00	0	01:00	2.5	2.3	96
PARICHA TPS(2 * 210 + 2 * 250)	920	723	728	758	12:00	480	08:00	16	14.5	604
ROSA TPS(4 * 300)	1,200	1,073	1,091	1,099	23:00	587	08:00	25.3	23.1	963
Total THERMAL	20,730	14,127	12,846					327.6	301.3	12,558
ALAKHANANDA HEP(4 * 82.5)	330	333	352	366	06:00	298	23:00	8	8	333
RIHAND HPS(6 * 50)	300	280	280	280	01:00	280	01:00	6.8	6.8	283
VISHNUPARYAG HPS(4 * 110)	440	436	436	436	01:00	376	09:00	10.1	10.1	421
OTHER HYDRO UP(227)	227	172	180	187	01:00	167	23:59	4.3	4.3	179
Total HYDEL	1,297	1,221	1,248					29.2	29.2	1,216
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2729)	2,729	0	0	1,854	11:00	0	01:00	13.1	13.1	546
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	15,373	14,119					370.5	344.2	14,345

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	968	1,064	19:00	936	16:00	24.12	24.04	1,002
Total HYDEL	1,250	1,063	968					24.12	24.04	1,002
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	81	12:00	7	07:00	0.52	0.52	22
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	1,063	968					24.64	24.56	1,024

(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	1,442	851	1,486	20:45	830	06:00	24.01	25.76	23.89	0.07	995	-0.19
Sub-Total	1,500	1,406	1,442	851	-	-	-	-	24.01	25.76	23.89	0.07	995	-0.19
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,370	1,394	1,080	1,394	20:00	1,080	14:00	27.03	27.74	27.35	0	1,140	0.32
DEHAR HPS(6 * 165)	990	480	495	495	495	20:00	495	14:00	11.52	11.93	11.61	0	484	0.09
PONG HPS(6 * 66)	396	352	360	360	360	20:00	300	14:00	8.36	8.56	8.35	0	348	-0.01
Sub-Total	2,801	2,202	2,249	1,935	-	-	-	-	46.91	48.23	47.31	0	1,972	0.4
NHPC														
BAIRASIUL HPS(3 * 60)	180	186	182	62	185	19:15	58.4	12:15	2.16	2.26	2.23	0	93	0.07
CHAMERA I HPS(3 * 180)	540	540	421	361	434	23:00	0	-	6.54	6.41	6.37	0	265	-0.17
CHAMERA II HPS(3 * 100)	300	312	301	200	304	19:00	0	-	4.4	4.44	4.41	0	184	0.01
CHAMERA III HPS(3 * 77)	231	240	221	76	224	19:00	0	08:00	1.54	1.49	1.47	-0.04	61	-0.03
DHAULIGANGA HPS(4 * 70)	280	292	279	143	281	22:00	133.7	17:00	4.28	4.32	4.3	0	179	0.02
DULHASTI HPS(3 * 130)	390	333	336	341	346	15:00	333.3	10:00	7.99	8.2	8.09	0	337	0.1
KISHANGANGA(3 * 110)	330	326	331	0	331	20:00	0	-	1.66	1.72	1.71	0	71	0.05
PARBATI III HEP(4 * 130)	520	370	315	188	315	20:00	0	-	4.1	4.21	4.17	0	174	0.07
PARBATI-II(4 * 200)	800	500	527	344	527	20:00	170.3	09:00	7.58	8.05	7.61	0	317	0.03
SALAL HPS(6 * 115)	690	575	580	704	704	04:00	576	23:00	14.43	14.6	14.43	0	601	0
SEWA-II HPS(3 * 40)	120	119	88	41	122	19:00	0	-	0.91	0.96	0.94	0	39	0.03
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	104	104	105	07:59	104.17	14:00	2.26	2.51	2.48	0	103	0.22
URI HPS(4 * 120)	480	280	287	288	469	09:15	52.58	13:45	6.63	7.07	7.01	0	292	0.38
URI-II HPS(4 * 60)	240	145	155	157	239	00:00	120.53	10:00	3.64	3.87	3.83	0	160	0.19
Sub-Total	5,195	4,311	4,127	3,009	-	-	-	-	68.12	70.11	69.05	-0.04	2,876	0.97
NPCL														
NAPS(2 * 220)	440	185	212	215	216	07:00	0	-	4.44	5.08	4.47	0	186	0.03
RAPP-D	700	115	0	0	0	-	0	-	2.76	4.04	2.81	0	117	0.05
RAPS-B(2 * 220)	440	335	382	384	391	09:00	0	-	8.04	9.23	8.15	0	340	0.11
RAPS-C(2 * 220)	440	405	448	447	448	08:00	447	20:00	9.72	10.8	9.73	0	405	0.01
Sub-Total	2,020	1,040	1,042	1,046	-	-	-	-	24.96	29.15	25.16	0	1,048	0.2
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	256	0	0	0	-	0	-	0.01	0	0.03	0	1	0.02
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	638	0	0	0	-	0	-	0.02	0	0.04	0	2	0.02
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	795	0	0	0	-	0	-	0.03	0	0.03	0	1	0
DADRI-I TPS(4 * 210)	840	769	0	0	0	-	0	-	12.86	14.4	13.03	0	543	0.17
DADRI-II TPS(2 * 490)	980	919	0	0	0	-	0	-	16.33	17.46	16.29	0	679	-0.04
KOLDAM HPS(4 * 200)	800	871	866	655	870	19:00	0	-	10.5	10.67	10.6	0	442	0.1
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	4.18	4.18	4.18	0	174	0
RIHAND-I STPS(2 * 500)	1,000	450	492	488	506	00:00	275	11:00	9.27	10.12	9.07	-0.03	378	-0.17
RIHAND-II STPS(2 * 500)	1,000	943	951	978	1,015	23:00	550	11:00	19.36	20.5	19.14	-0.02	798	-0.2
RIHAND-III STPS(2 * 500)	1,000	943	947	967	1,003	23:00	549	11:00	19.33	20.35	19.19	-0.08	800	-0.06
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,670	1,807	1,786	1,807	20:00	0	-	34.37	37.21	34.17	0	1,424	-0.2
TANDA TPS(4 * 110)	440	-	0	0	0	-	0	-	-	-	-	-	-	-
TANDA TPS STAGE-II(2 * 660)	1,320	0	0	391	391	03:00	0	-	7.73	7.42	6.66	0	278	-1.07
UNCHAHAH II TPS(2 * 210)	420	375	392	250	392	20:00	0	-	6.47	7.3	6.52	0.07	272	-0.02
UNCHAHAH III TPS(1 * 210)	210	189	194	173	194	20:00	0	-	3.56	3.99	3.63	0.06	151	0.01
UNCHAHAH IV TPS(1 * 500)	500	466	453	303	453	20:00	0	-	8.1	8.85	8.16	0.29	340	-0.23
UNCHAHAH TPS(2 * 210)	420	189	203	189	203	20:00	0	-	3.65	3.94	3.45	0	144	-0.2
Sub-Total	13,095	9,473	6,305	6,180	-	-	-	-	155.77	166.39	154.19	0.29	6,427	-1.87
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,482	1,331	1,188	1,372	19:00	1,130	16:00	29.54	30.02	29.78	0	1,241	0.24
RAMPUR HEP(6 * 68.67)	412	372	379	347	392	07:00	316	02:00	8.15	8.68	8.61	0	359	0.46
Sub-Total	1,912	1,854	1,710	1,535	-	-	-	-	37.69	38.7	38.39	0	1,600	0.7
THDC														
KOTESHWAR HPS(4 * 100)	400	360	372	100	382	21:00	98	14:00	3.24	3.51	3.5	0.23	146	0.03
TEHRI HPS(4 * 250)	1,000	1,072	1,035	247	1,085	22:00	0	04:00	10.13	10.31	10.27	0	428	0.14
TEHRI PSP(4 * 250)	1,000	500	500	0	500	-	0	-	1.39	3.99	1.2	0	50	-0.19

Sub-Total	2,400	1,932	1,907	347	-	-	-	-	14.76	17.81	14.97	0.23	624	-0.02
Total	28,923	22,218	18,782	14,903					372.22	396.15	372.96	0.55	15,542	0.19

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	181	94	192	21:00	0	-	2.25	2.28	2.26	94	0.01
BUDHIL HPS (IPP)(2 * 35)	70	35	71	36	71	20:00	35.56	17:00	1	1.03	1.02	43	0.02
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,087	1,101	700	1,101	20:00	600	12:00	16.94	17.17	17.05	710	0.11
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	-	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	338	0	0	0	-	0	-	4.64	4.95	4.59	191	-0.05
SINGOLI BHATWARI HEP(3 * 33)	99	107	109	109	109	03:56	0	-	2.39	2.6	2.56	107	0.17
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	60	66	54	73	19:00	0	-	1.29	1.38	1.37	57	0.08
Sub-Total	1,906	1,816	1,528	993	-	-	-	-	28.51	29.41	28.85	1,202	0.34
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	500	0	0	0	0	-	0	-	2.96	2.77	2.77	115	-0.19
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.46	1.5	1.5	63	0.04
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	226	14:27	0	-	1.51	1.38	1.38	58	-0.13
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	316	14:24	0	-	2.06	1.86	1.86	78	-0.2
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	2.13	1.93	1.93	80	-0.2
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	316	14:13	0	-	2.04	1.78	1.78	74	-0.26
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	312	14:29	0	-	2.03	1.91	1.9	79	-0.13
ACME SIKAR SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.32	1.33	1.33	55	0.01
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	300	13:45	0	-	2.02	1.8	1.8	75	-0.22
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.56	0.52	0.52	22	-0.04
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.56	0.56	0.56	23	0
ADANI GREEN ENERGY TWENTY FOUR LIMITED	500	0	0	0	388	15:19	0	-	2.24	2.25	2.23	93	-0.01
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	190	13:38	0	-	1.31	1.15	1.15	48	-0.16
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	154	12:00	0	-	1.06	1.04	1.03	43	-0.03
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	133	12:00	0	-	1.07	0.98	0.98	41	-0.09
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.31	0.32	0.32	13	0.01
ADANI SOLAR ENERGY RJ TWO PVT LTD. BHADLA(1*150)	150	0	0	0	150	11:50	0	-	1.06	1	1	42	-0.06
ADANI SOLAR ENERGY RJ TWO PVT LTD. FATEGARH 2(1*180)	180	0	0	0	172	13:22	0	-	1.32	1.24	1.24	52	-0.08
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	103	14:59	0	-	0.62	0.61	0.61	25	-0.01
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	284	14:05	0	-	2.11	1.93	1.92	80	-0.19
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	1.03	1.02	1.02	43	-0.01
AMP ENERGY GREEN FOUR PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.53	0.5	0.5	21	-0.03
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	87	15:47	0	-	0.58	0.57	0.57	24	-0.01
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.15	0.12	0.11	5	-0.04
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	242	12:19	0	-	1.64	1.66	1.66	69	0.02
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	341	12:03	0	-	2.26	2.27	2.27	95	0.01
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	0	-	0	-	2.18	2	2	83	-0.18
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	301	12:28	0	-	1.91	1.94	1.94	81	0.03
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	298	14:08	0	-	1.91	2.02	2.02	84	0.11
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	225	15:10	0	-	1.34	1.37	1.37	57	0.03
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	410	12:15	0	-	3.19	3.15	1.98	83	-1.21
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	182	12:40	0	-	1.22	1.24	1.24	52	0.02
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	271	12:46	0	-	1.92	1.71	1.71	71	-0.21
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	132	13:14	0	-	0.89	0.79	0.79	33	-0.1
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.98	1.5	1.5	63	0.52
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	265	13:46	0	-	1.81	1.77	1.77	74	-0.04
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	239	13:50	0	-	1.65	1.53	1.52	63	-0.13

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	-	1.29	1.31	1.31	55	0.02
EDEN RENEWABLE ALMA PRIVATE LIMITED	300	0	0	0	229	15:34	0	-	1.31	1.32	1.32	55	0.01
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	0	-	0	-	1.97	1.95	1.95	81	-0.02
GORBEA SOLAR PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.45	1.38	1.38	58	-0.07
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	87	15:27	0	-	0.58	0.59	0.58	24	0
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	81	09:42	0	-	0.48	0.49	0.49	20	0.01
JUNA RENEWABLE ENERGY PRIVATE LIMITED	335	0	0	0	0	-	0	-	1.9	1.9	1.9	79	0
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	39	15:25	0	-	0.24	0.25	0.25	10	0.01
KARNISAR SOLAR PLANT NHPC LIMITED	214	0	0	0	207	09:36	0	-	0.89	1.11	1.11	46	0.22
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	300	0	0	0	0	-	0	-	1.49	1.43	1.43	60	-0.06
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	2.89	2.72	2.72	113	-0.17
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	50	13:28	0	-	0.35	0.29	0.29	12	-0.06
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	49	13:43	0	-	0.31	0.3	0.3	13	-0.01
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	265	13:30	0	-	1.96	1.8	1.8	75	-0.16
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	85	15:29	0	-	0.58	0.57	0.56	23	-0.02
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.57	1.41	1.41	59	-0.16
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.57	1.48	1.48	62	-0.09
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.48	0.48	0.48	20	0
NTPC NIDAN SOLAR(1*296)	296	0	0	0	0	-	0	-	1.86	-	-	-	-
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	200	0	0	0	0	-	0	-	0.86	0.84	0.84	35	-0.02
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.37	1.24	1.24	52	-0.13
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	287	14:25	0	-	1.69	1.69	1.69	70	0
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	220	09:51	0	-	1.41	1.32	1.32	55	-0.09
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	287	14:26	0	-	1.74	1.72	1.72	72	-0.02
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	216	14:01	0	-	0.36	1.42	1.42	59	1.06
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.59	1.41	1.41	59	-0.18
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	289	14:05	0	-	1.66	1.68	1.68	70	0.02
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	299	13:48	0	-	1.6	1.56	1.56	65	-0.04
RENEW SURYA JYOTI PRIVATE LIMITED	210	0	0	0	0	-	0	-	1.08	0.89	0.89	37	-0.19
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	205	13:04	0	-	1.22	1.22	1.21	50	-0.01
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.8	1.52	1.52	63	-0.28
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	99	12:34	0	-	0.59	0.57	0.57	24	-0.02
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	203	12:56	0	-	1.35	1.26	1.26	53	-0.09
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	189	13:16	0	-	1.31	1.32	1.32	55	0.01
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	303	12:34	0	-	1.98	1.94	1.94	81	-0.04
SJVN GREEN ENERGY LIMITED	501	0	0	0	354	09:24	0	-	2.08	2.31	2.28	95	0.2
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	1.05	1.05	1.05	44	0
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	232	0	0	0	235	09:29	0	-	1.44	1.41	1.41	59	-0.03
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	271	14:36	0	-	1.62	1.66	1.66	69	0.04
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	22	15:21	0	-	0.16	0.13	0.13	5	-0.03
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	218	12:09	0	-	1.43	1.39	1.39	58	-0.04
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	266	12:14	0	-	1.92	1.77	1.74	73	-0.18
TATA POWER SAURYA LIMITED	110	0	0	0	77	09:43	0	-	0.52	0.5	0.5	21	-0.02
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	288	12:05	0	-	1.91	1.98	1.98	83	0.07
TRANSITION ENERGY SERVICES PRIVATE LIMITED	60	0	0	0	0	-	0	-	0.35	0.46	0.46	19	0.11
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	96	15:26	0	-	0.59	0.57	0.57	24	-0.02
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	46	15:02	0	-	0.3	0.28	0.28	12	-0.02
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.32	0.26	0.26	11	-0.06
UNCHAHAH SOLAR(10)	10	0	0	0	0	-	0	-	0.03	0.04	0.04	2	0.01

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	252	14:47	0		1.62	1.52	1.52	63	-0.1
Sub-Total	20,131	0	0	0	-	-	-	-	115.14	110.81	109.48	4,567	-3.8
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	581	10:11	0	-	5.01	4.33	4.32	180	-0.69
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	3.73	2.18	2.18	91	-1.55
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	0	-	0	-	2.73	2.44	2.44	102	-0.29
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	51	73	89	01:30	0	-	0.8	1.02	1.02	43	0.22
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	290	-	0	-	2.4	1.85	1.85	77	-0.55
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	32	69	73	01:45	0	-	0.58	0.79	0.79	33	0.21
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	292	09:15	0	-	2.36	2.09	2.09	87	-0.27
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	34	50	56	02:15	0	-	0.58	0.67	0.67	28	0.09
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	407	13:51	0	-	2.89	2.73	2.73	114	-0.16
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	73	60	77	20:30	0	-	0.9	1.16	1.16	48	0.26
Sub-Total	2,846	0	190	252	-	-	-	-	21.98	19.26	19.25	803	-2.73
Total	24,883	1,816	1,718	1,245					165.63	159.48	157.58	6,572	-6.19

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	70,093	36,025	30,697	875.36	823.03	34,298
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7,235	3,379	488.04	488.04	22,784
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-19	-14	0.42	0.42	-2
Total Regional Availability(Gross)	123,899	63,741	50,210	1,919.45	1,842.03	79,194

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,387	8,474	209.98	204.58	8,525
State Control Area Hydro	7,855	5,127	4,134	129.39	129.14	5,381
Total Regional Hydro	22,577	17,514	12,608	339.37	333.72	13,906

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	23,222	190	252	134.25	132.91	5,544
State Control Area Renewable	15,709	1,158	1,327	85.64	85.42	3,560
Total Regional Renewable	38,931	1,348	1,579	219.89	218.33	9,104

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	22,356	0	0	128.43	127.09	5,301
State Control Area Solar	10,665	55	55	58.76	58.76	2,448
Total Solar	33,021	55	55	187.19	185.85	7,749

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	190	252	5.82	5.82	243
State Control Area Wind	4,328	986	1,155	21.24	21.24	885
Total Wind	5,194	1,176	1,407	27.06	27.06	1,128

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)	28	25	-	23	0	0.62	-0.62
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	2.15	0	2.15
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	0.87	0	0.87
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	1.22	0	1.22
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	3.83	0	3.83
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	13.38	0	13.38
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-546	-514	642	0	9.35	0	9.35
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-942	-805	942	0	16.64	0	16.64

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	3.1	0	3.1
13	400KV-Varanasi (PG)-Sasaram(PG)	-71	-57	95	0	1.51	0	1.51
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	16.35	0	16.35
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	3.62	0	3.62
16	765KV-Varanasi (PG)-Gaya(PG)	-385	-411	840	473	5.12	0	5.12
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	7.2	0	7.2
Sub-Total EAST REGION		-1,916	-1,762	2,519	496	84.34	0.62	83.72
Import/Export between NORTH_ EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	12.06	0	12.06
Sub-Total NORTH_ EAST REGION		0	0	0	0	12.06	0	12.06
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)	85	41	-	93	0	0.89	-0.89
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	86	92	100	-	2.11	0	2.11
6	220KV-Ranpur (RS)-Bhanpura(MP)	110	103	112	-	2.47	0	2.47
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-589	-675	883	-120	12.39	0	12.39
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	2.31	-2.31
10	400KV-RAPS C (NP)-Sujalpur	-534	-567	699	7	8.53	0	8.53
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-720	-649	0	-788	0	13.45	-13.45
13	765KV-0rai-Jabalpur	2,771	2,710	3,071	0	56.82	0	56.82
14	765KV-0rai-Satna	1,066	1,117	1,175	0	22.73	0	22.73
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	55.9	0	55.9
16	765KV-Chittorgarh-Banaskata D/C	1,394	-372	1,185	1,394	0	1.38	-1.38
17	765KV-Phagi (RJ)-Gwalior(PG)	2,066	1,733	2,191	-141	32.01	0	32.01
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-3,582	-3,393	3,786	0	74.5	0	74.5
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,998	501	2,504	0	34.85	0	34.85
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	500	500	500	0	10.47	0	10.47
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	4,500	4,000	5,000	0	97.51	0	97.51
Sub-Total WEST REGION		9,151	5,141	21,206	445	410.29	18.03	392.26
TOTAL IR EXCHANGE		7,235	3,379	23,725	941	506.69	18.65	488.04

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

	ISGS+GNA+URS schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NR-ER	109.24	18.21	0	0.16	0	111.96	83.72	-28.24
NR-NORTH_ EAST REGION	0	0	0	0	0	0	12.06	12.06
NR-WR	191.08	79.89	0	119.27	0	374.4	392.26	17.86
Total	300.32	98.1	0	119.43	0	486.36	488.04	1.68

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)	-19	-14	52.392	54	0.51	0.09	0.42	0
132KV-Nautanwa (UP)-Mainhiya (Nepal)						0	0	0

5.Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	< 50.0	>= 49.9 - <= 50.05	> 50.05 - <= 50.1	> 50.1 - <= 50.2	> 50.2	> 50.05
%	0	.07	1.69	8.04	48.47	74.09	14.33	3.54	0	17.87

<-----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.	
50.18	07:58:10	49.69	18:27:00	50	0.047	0.068	50.12	49.78	25.91

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	415	02:45	395	11:10	0	0	0	0	0
Amritsar(PG) - 400KV	417	03:15	394	12:20	0	0	0	0	0
Ballabgarh(PG) - 400KV	414	06:55	384	14:25	0	11.11	0	0	0

Bareilly II(PG) - 400KV	417	06:55	392	09:30	0	0	0	0	0
Bareilly(UP) - 400KV	417	06:55	393	09:35	0	0	0	0	0
Baspa(HP) - 400KV	412	01:30	396	14:30	0	0	0	0	0
Bassi(PG) - 400KV	421	07:55	391	12:20	0	0	.69	0	.69
Bawana(DTL) - 400KV	418	02:25	394	14:25	0	0	0	0	0
Dadri HVDC(PG). - 400KV	411	06:55	388	14:25	0	5.56	0	0	0
Gorakhpur(PG) - 400KV	419	07:50	383	19:30	0	19.1	0	0	0
Hisar(PG) - 400KV	420	02:25	387	12:20	0	7.29	.35	0	.35
Kanpur(PG) - 400KV	417	07:55	395	22:30	0	0	0	0	0
Kashipur(UT) - 400KV	418	06:55	407	11:15	0	0	0	0	0
Kishenpur(PG) - 400KV	417	03:10	399	14:50	0	0	0	0	0
Moga(PG) - 400KV	416	02:25	395	12:20	0	0	0	0	0
Nallagarh(PG) - 400KV	412	01:30	396	14:30	0	0	0	0	0
Rihand HVDC(PG) - 400KV	402	11:20	389	22:35	0	4.86	0	0	0
Rihand(NT) - 400KV	402	10:25	392	19:20	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	08:00	773	22:30	0	0	0	0	0
Balia(PG) - 765KV	792	07:40	742	19:20	0	1.39	0	0	0
Bareilly II(PG) - 765KV	796	07:55	751	09:35	0	0	0	0	0
Bhiwani(PG) - 765KV	796	06:55	752	09:20	0	0	0	0	0
Fatehpur(PG) - 765KV	791	07:35	747	09:15	0	0	0	0	0
Jhatikara(PG) - 765KV	792	07:55	745	09:20	0	0	0	0	0
Lucknow II(PG) - 765KV	799	07:55	745	19:20	0	0	0	0	0
Meerut(PG) - 765KV	794	03:25	748	09:15	0	0	0	0	0
Moga(PG) - 765KV	797	16:15	746	09:20	0	0	0	0	0
Phagi(RJ) - 765KV	799	07:55	761	09:20	0	0	0	0	0
Unnao(UP) - 765KV	788	07:55	741	19:20	0	3.13	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	981.08	0	0	482.85	0	0	0	1,029.36	0	-197.56	193.14	0	-50	0
HARYANA	2,238.26	4.83	6.08	386.28	0	0	0	2,535.66	0	5.76	2.61	0	-673	0
RAJASTHAN	865.97	-24.27	35.47	386.28	0	0	0	908.52	-17.4	17.9	18.83	0	0	0
DELHI	754.87	257.07	351.13	348.97	0	0	0	960.13	19.78	278.05	207.92	0	0	0
UTTAR PRADESH	261.53	4.64	1,967.36	490.67	0	0	0	1,780.53	429.2	3,210.28	723.32	0	0	0
UTTARAKHA ..	-245	-15.2	280.92	77.26	0	0	0	-245	-6.2	285.07	94.93	0	0	0
HIMACHAL PRADESH	-17.55	-77.9	123.61	-8.48	0	0	0	-18.66	-77.6	-64.11	129.99	0	0	0
J&K(UT) & LADAKH(UT)	-300	0	0	-480	0	0	0	-313	-48.3	-16.3	193.14	0	0	0
CHANDIGARH	39.78	0	-40	0	0	0	0	58.48	0	-110	0	0	0	0
RAILWAYS_NRISTS	36.18	0	22.21	0	0	0	0	36.18	0	15.21	16.42	0	0	0
TOTAL	4,615.12	149.17	2,746.78	1,683.83	0	0	0	6,732.2	299.48	3,424.3	1,580.3	0	-723	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	120.41	25.69	1.92	7.07	33.93	189.02
HARYANA	143.49	59.18	0.99	0.28	3.17	207.11
RAJASTHAN	96.66	18.67	-0.01	-0.53	9.63	124.42
DELHI	98.12	19.74	2.96	9.34	9.84	140
UTTAR PRADESH	195.97	11.17	2.27	30.99	14.67	255.8
UTTARAKHAND	24.24	-5.5	0.1	7.31	1.56	27.71
HIMACHAL PRADESH	8.87	-3.64	-1.23	2.24	1.38	7.62
J&K(UT) & LADAKH(UT)	37.47	-3.06	-0.4	-0.15	0.06	33.92
CHANDIGARH	6.3	0.8	0	-0.88	0.52	6.74
RAILWAYS_NR ISTS	2.67	0.87	0.04	0.31	0.08	3.97
TOTAL	734.2	123.92	6.64	55.98	74.84	996.31

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	5,476.74	4,611.01	1,439.79	981.08	341.86	0	0	0
HARYANA	6,620.2	5,241.74	2,710.6	2,237.2	86.91	0	0	0
RAJASTHAN	4,824.57	2,385.94	978	533.06	46.22	-35.46	0	0
DELHI	4,619.53	3,230.58	1,072.53	536.63	570.54	0	0	0
UTTAR PRADESH	9,900.81	5,712.95	1,785.66	-33.65	436.76	-20.93	3.38	0
UTTARAKHAND	1,347.87	726.92	-202.51	-245	23.74	-15.2	0	0
HIMACHAL PRADESH	963.8	-11.9	4.31	-470.69	19.95	-77.9	0	0
J&K(UT) & Ladakh(UT)	1,727.12	1,454.39	0	-313	0	-48.3	0	0
CHANDIGARH	370.63	185.88	58.48	0	0	0	0	0
RAILWAYS_NR ISTS	124.39	100.88	36.18	36.18	22.21	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	1,255.41	-490.76	0	-50	2,897.1	0	0	0
HARYANA	482.85	-477.13	0	-760	917.42	-415	0	0
RAJASTHAN	51.46	-369.45	0	0	1,545.12	-72.75	0	0
DELHI	1,070	69.53	0	0	818.91	115.21	0	0
UTTAR PRADESH	4,477.99	47.36	0	0	3,387.03	-1.95	0	0
UTTARAKHAND	755.37	40.08	0	0	307.48	-92.67	0	0
HIMACHAL PRADESH	243.66	-73.38	0	0	260.9	-128.31	0	0
J&K(UT) & LADAKH(UT)	0	-16.3	0	0	313.85	-510	0	0
CHANDIGARH	43.46	-125	0	0	76.29	0	0	0
RAILWAYS_NR ISTS	22.21	0	0	0	22.21	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	510.16	1,560	502.39	1,193	637.13	802.24
Chamera-I	748.75	760	753.95	755.74	6	-	-	199.18	173.51
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	608.85	4	610.7	5	214.14	236.2
Pong	384.05	426.72	1,084	423.48	1,051	415.62	706	276.91	477.65
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	524.37	351	498.2	82	231.22	290.7
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	829.27	1,149	829.36	1,151	316.42	219
TOTAL	-	-	-	-	4,121	-	3,137	1,875	2,199.3

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	0.69
Simultaneous	0.69
Delhi	0
Rajasthan	3.47
UP	0
Punjab	0

Haryana	0.69
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iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand-Dadri	0
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10. Zero Crossing Violations

State	No. of violations(Maximum 15 in a day)	Maximum number of continuous blocks without sign change
CHANDIGARH	0	0
DELHI	0	0
HARYANA	4	29
HIMACHAL PRADESH	0	6
J&K(UT) & Ladakh(UT)	15	96
PUNJAB	6	20
RAJASTHAN	7	23
UTTAR PRADESH	0	0
UTTARAKHAND	0	0

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

	Inst Capacity	20:00	03:00	Day Peak			
Station/Constituents	(MW)	Peak MW	Off Peak MW	MW	HRS	Net MU	AVG MW
NCR_GENERATION	9225	5,089	3,303	5330	18:30:00	95.22	3,968
NCR_DRAWAL	-	15,833	13,489	17390	15:00:00	354.63	14,776
NCR_DEMAND	-	20,923	16,792	21647	22:15:00	449.84	18,743
LADAKH_DEMAND	-	9	-7	12	18:45:00	-0.03	-1

12. RE/Load Curtailment details

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

13.Grid Disturbance / Any Other Significant Event:

14.Weather Conditions :

15.Synchronisation of new generating units :

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

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

18.Constraints and instances of congestion in the transmission system

19.Remarks :

No Records Found

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

Shift In Charge