



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

Power Supply Position in Northern Region For 30-Jul-2025

Date of Reporting:31-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
75,503	0	75,503	50.07	67,405	0	67,405	49.99	1,684	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	86.82	18.55	0	3.51	0	1.85	110.73	199.69	199.25	-0.44	309.98	0	309.98
HARYANA	55.5	1.07	0.66	0.49	0	0.97	58.69	196.59	193.99	-2.6	252.68	0	252.68
RAJASTHAN	116.13	5.31	1.75	29.12	33.24	5.8	191.34	121.17	115.69	-5.48	307.03	0	307.03
DELHI	0	0	10.87	0	0	1.4	12.27	123.8	122.75	-1.05	135.02	0	135.02
UTTAR PRADESH	246.04	25.2	0	9.1	0	0.8	281.14	247.46	248.62	1.16	529.76	0	529.76
UTTARAKHAND	0	24.69	0.6	0.55	0	0	25.84	25.55	26.17	0.62	52.01	0	52.01
HIMACHAL PRADESH	0	33.38	0	0.17	0	0	33.55	4.29	4.5	0.21	38.05	0	38.05
J&K(UT) & Ladakh(UT)	0	25.07	0	0	0	0	25.07	24.14	23.65	-0.49	48.72	0	48.72
CHANDIGARH	0	0	0	0	0	0	0	7.02	7.07	0.05	7.07	0	7.07
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.69	4.05	0.36	4.05	0	4.05
Region	504.49	133.27	13.88	42.94	33.24	10.82	738.63	953.4	945.74	-7.66	1,684.37	0	1,684.37

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	12,140	0	-73	1,662	12,901	11,646	0	-393	2,920
HARYANA	11,309	0	-409	2,135	10,682	10,521	0	-178	3,185
RAJASTHAN	12,887	0	-267	181	12,709	11,966	0	-56	555
DELHI	5,870	0	-83	1,140	5,612	5,079	0	109	1,171
UTTAR PRADESH	26,774	0	-365	3,976	22,019	22,722	0	-204	1,880
UTTARAKHAND	2,158	0	-264	28	2,166	2,027	0	81	-286
HIMACHAL PRADESH	1,569	0	27	-130	1,580	1,412	0	22	-268
J&K(UT) & Ladakh(UT)	2,275	0	-261	-543	2,030	1,630	0	31	-1,260
CHANDIGARH	341	0	-3	0	295	227	0	4	-95
RAILWAYS_NR ISTS	180	0	11	61	169	175	0	6	61
Region	75,503	0	-1,687	8,510	70,163	67,405	0	-578	7,863

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	14,707	15:00	0	14,707	14,707	15:00	0	14,707	11,492	23:00	634.07	00:31:00	-682.16	07:59:00
HARYANA	11,491	14:00	0	11,491	11,491	14:00	0	11,491	9,606	7:00	578.99	22:20:00	-290.42	02:59:00
RAJASTHAN	13,389	15:00	0	13,389	13,389	15:00	0	13,389	11,783	4:00	1,930.27	10:34:00	-1,126.43	12:24:00
DELHI	6,367	15:00	0	6,367	6,367	15:00	0	6,367	4,632	6:00	307.18	09:32:00	-213.71	19:14:00
UP	26,774	20:00	0	26,774	26,774	20:00	0	26,774	17,219	6:00	1,853.86	19:01:00	-933.99	05:01:00
UTTARAKHA ..	2,352	19:00	0	2,352	2,352	19:00	0	2,352	2,004	4:00	405.72	20:53:00	-206.14	23:13:00
HP	1,800	9:00	0	1,800	1,800	9:00	0	1,800	1,347	4:00	49.45	06:01:00	-343.5	09:01:00
J&K(UT)&Lad ..	2,441	21:00	0	2,441	2,441	21:00	0	2,441	1,580	4:00	574.19	08:29:00	-213.02	20:14:00
CHANDIGARH	366	16:00	0	366	366	16:00	0	366	221	5:00	68.41	23:55:00	-40.95	14:59:00
RAILWAYS_NR ISTS	204	0:00	0	204	204	0:00	0	204	124	15:00	0	-	0	-
NR	75,503	20:00	0	75,503	75,503	20:00	0	75,503	63,221	6:00	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	289	265	296.8	21:00	265	02:00	6.76	6.48	270
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	38	38	38.22	03:00	36	15:00	0.9	0.85	35
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	147	148	148.85	04:00	143	14:00	3.64	3.54	148
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	474	451					11.3	10.87	453
WIND	0	0	0	0		0				
BIOMASS(52)	52	47	40	52.94	01:00	35	07:00	1.57	1.4	58
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	521	491					12.87	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	423	342	528	21:00	0		9.78	8.83	368
JHAJJAR(CLP)(2 * 660)	1,320	1,028	768	1,222	23:00	0		21.83	20.39	850
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	405	351	437	21:00	0		9.19	8.25	344
RGTPP(KHEDAR)(2 * 600)	1,200	803	717	1,069	22:00	0		18.63	18.03	751
Total THERMAL	3,855	2,659	2,178					59.43	55.5	2,313
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	177	0	237	21:00	0		0.66	0.66	28
Total GAS/NAPTHA/DIESEL	432	177	0					0.66	0.66	28
TOTAL HYDRO HARYANA(64.8)	65	45	45	46	17:00	0		1.08	1.07	45
Total HYDEL	65	45	45					1.08	1.07	45
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		0.97	0.97	40
SOLAR(196)	196	0	0	0		0		0.49	0.49	20
Total HARYANA	4,654	2,881	2,223					62.63	58.69	2,446

HIMACHAL PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAJOLI HOLI(3*60)	180	198	150	198	12:00	0	05:00	3.5	3.5	146
BASPA (IPP) HPS(3 * 100)	300	217	314	314	01:00	217	14:00	6.36	6.35	265
MALANA (IPP) HPS(2 * 43)	86	94	94	94	01:00	71	11:00	2.19	2.18	91
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	111	111	01:00	37	10:00	2.54	2.54	106
OTHER HYDRO HP(503.75)	504	131	363	0		0		6.02	5.99	250
Total HYDEL	1,281	751	1,032					20.61	20.56	858
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR(1 * 19)	19	0	0	0		0		0.17	0.17	7
SMALL HYDRO(765.25)	765	609	526	0		0		12.83	12.82	534
Total SMALL HYDRO	765	609	526					12.83	12.82	534
Total HP	2,065	1,360	1,558					33.61	33.55	1,399

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	887	881	890		0		21.28	21.28	887
OTHER HYDRO/IPP J&K(308)	308	158	155	174		0		3.8	3.8	158
Total HYDEL	1,208	1,045	1,036					25.08	25.08	1,045
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	1,045	1,036					25.08	25.08	1,045

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	290	491	20:00	290	03:00	9.46	8.43	351
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	595	572	613	23:00	567	01:00	15.33	13.82	576
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	785	621	833	07:00	621	02:00	17.92	16.25	677
RAJPURA(NPL) TPS(2 * 700)	1,400	1,008	660	1,320	22:00	330	13:00	18.85	17.68	737
TALWANDI SABO TPS(3 * 660)	1,980	1,730	1,455	1,822	18:00	616	11:00	33.07	30.63	1,276
Total THERMAL	5,680	4,609	3,598					94.63	86.81	3,617
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	112	112	113	08:00	108	15:00	2.68	2.68	112
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	157	180	207	08:00	153	17:00	4.25	4.24	177
RANJIT SAGAR POWER PLANT (4 * 150)	600	560	0	560	20:00	0	02:00	6.77	6.74	281
SHANAN(4 * 15 + 1 * 50)	110	0	50	110	01:00	0	04:00	0.23	0.23	10
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	911	424					18.6	18.56	775
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.85	1.85	77
SOLAR(881)	881	60	60	347	11:00	60	03:00	3.51	3.51	146
Total PUNJAB	8,025	5,580	4,082					118.59	110.73	4,615

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	220	221	222	10:00	170	13:00	5.74	5.04	210
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	1,469	1,139	1,475	23:00	1,104	13:00	32.46	29.6	1,233
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	334	251	348	23:00	263	06:00	7.84	7.02	293
KAWAI TPS(2 * 660)	1,320	1,128	850	1,226	21:00	721	12:00	22.67	21.29	887
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	820	747	909	23:00	740	12:00	21.58	19.05	794
RAJWEST (IPP) LTPS(8 * 135)	1,080	591	715	715	03:00	463	13:00	15.78	13.67	570
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	902	1,191	1,291	01:00	608	08:00	22.32	20.46	853
VSLPP (IPP)(1 * 135)	135	0	0	0	01:00	0	06:00	0	0	0
Total THERMAL	10,615	5,464	5,114					128.39	116.13	4,840
DHOLPUR GPS(3 * 110)	330	0	0	0		0				
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	71	71	72	00:00	71	15:00	1.81	1.75	73
Total GAS/NAPTHA/DIESEL	601	71	71					1.81	1.75	73
RAPS-A(1 * 100 + 1 * 200)	300	149	149	151	08:00	148	15:00	3.93	3.6	150
Total NUCLEAR	300	149	149					3.93	3.6	150
TOTAL HYDRO RAJASTHAN(550)	550	217	215	217	20:00	210	13:00	5.32	5.31	221
Total HYDEL	550	217	215					5.32	5.31	221
WIND(1 * 4328)	4,328	1,025	1,753	1,850	01:00	784	14:00	33.24	33.24	1,385
BIOMASS(102)	102	92	92	92	01:00	92	06:00	2.2	2.2	92
SOLAR(4568)	4,568	52	1,753	3,765	12:00	0	06:00	29.12	29.12	1,213
Total RAJASTHAN	21,064	7,070	9,147					204.01	191.35	7,974

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	788	703	804	16:00	569	09:00	19.1	17.7	738
ANPARA-C TPS(2 * 600)	1,200	1,101	657	1,110	06:00	648	12:00	26.4	24.4	1,017
ANPARA-D TPS(2 * 500)	1,000	923	928	940	18:00	809	12:00	23.7	22.2	925
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	226	226	343	19:00	226	01:00	6.1	5.5	229
BARA PPGCL TPS(3 * 660)	1,980	1,129	828	1,438	23:59	701	13:00	26.9	24.9	1,038
GHATAMPUR TPS (1*660)	660	559	338	560	22:00	305	04:00	10.7	9.6	400
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	651	576	799	19:00	560	13:00	16.2	14.6	608
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	630	657	687	04:07	353	16:47	14.57	13.34	556
LALITPUR TPS(3 * 660)	1,980	1,558	1,266	1,842	23:00	1,008	09:00	34.9	32.7	1,363
MEJA TPS(2 * 660)	1,320	1,145	1,125	1,165	01:00	674	10:00	22.6	21.2	883
OBRA TPS (5 * 200+1*660)	1,660	1,242	1,212	1,314	04:00	1,175	16:00	32.7	29.5	1,229
PANKI_I TPS(1 * 660)	660	0	0	0		0				
PARICHA TPS(2 * 210 + 2 * 250)	920	614	544	681	19:00	475	23:59	14	12.8	533
ROSA TPS(4 * 300)	1,200	862	707	1,082	19:00	581	11:00	19.3	17.6	733
TANDA TPS(4 * 110)	440	0	0	0		0				
Total THERMAL	19,190	11,428	9,767					267.17	246.04	10,252
ALAKHANANDA HEP(4 * 82.5)	330	345	339	346	18:00	336	01:00	8.2	8.2	342
RIHAND HPS(6 * 50)	300	285	285	285	01:00	195	14:00	6.6	6.6	275
VISHNUPARYAG HPS(4 * 110)	440	0	396	436	04:00	0	01:00	6.4	6.4	267
OTHER HYDRO UP(227)	227	164	168	175	01:00	152	11:00	4	4	167
Total HYDEL	1,297	794	1,188					25.2	25.2	1,051
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	1,396	11:00	0	01:00	9.1	9.1	379
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	12,257	10,990					302.27	281.14	11,715

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	97	0	97	20:00	7	10:00	0.63	0.6	25
SARAVANTI	450	0	0	0		0				
Total GAS/NAPTHA/DIESEL	675	97	0					0.63	0.6	25
OTHER HYDRO UK(1250)	1,250	1,012	1,077	1,079	13:00	642	00:00	24.77	24.69	1,029
Total HYDEL	1,250	1,012	1,077					24.77	24.69	1,029
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	80	10:00	4	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	1,109	1,077					25.95	25.84	1,077

(B) Regional Entities Generation														
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy				AVG. MW	UI(Actual-Schedule-(+- AGC))
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen ACT (MU)	Net Gen ACT MU)	AGC(MU)		
Aravali Power Company Private Ltd														
ISTPP (JHAJJAR)(3 * 500)	1,500	1,411	1,277	884	1,497	19:30	820	11:00	21.75	23.72	21.8	0.34	908	-0.29
Sub-Total	1,500	1,411	1,277	884	-	-	-	-	21.75	23.72	21.8	0.34	908	-0.29
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,392	1,420	834	1,420	20:00	713	05:00	20.87	21.48	21.19	0	883	0.32
DEHAR HPS(6 * 165)	990	0	0	495	495	01:00	0	16:00	6.88	7.16	6.96	0	290	0.08
PONG HPS(6 * 66)	396	239	244	124	244	20:00	124	16:00	4.23	4.39	4.28	0	178	0.05
Sub-Total	2,801	1,631	1,664	1,453	-	-	-	-	31.98	33.03	32.43	0	1,351	0.45
INFIRM														
TEHRI PSP	1,000	426	426	0	426	20:00	0	-	0.58	1.98	0.51	0	21	-0.07
Sub-Total	1,000	426	426	0	-	-	-	-	0.58	1.98	0.51	0	21	-0.07
NHPC														
BAIRASIUL HPS(3 * 60)	180	0	0	185	185	01:15	0	08:45	0.98	0.75	0.75	0	31	-0.23
CHAMERA I HPS(3 * 180)	540	535	538	535	542	12:00	534	15:00	12.81	12.96	12.82	0	534	0.01
CHAMERA II HPS(3 * 100)	300	312	305	301	305	20:00	298.01	18:00	7.16	7.21	7.16	0.01	298	-0.01
CHAMERA III HPS(3 * 77)	231	240	232	232	238	07:00	224.2	16:00	5.51	5.57	5.51	-0.18	230	0.18
DHAULIGANGA HPS(4 * 70)	280	292	278	281	284	17:00	270	12:00	6.69	6.74	6.72	0	280	0.03
DULHASTI HPS(3 * 130)	390	385	376	377	377	17:00	375.3	12:00	8.93	9.03	8.92	0	372	-0.01
KISHANGANGA(3 * 110)	330	336	332	153	333	22:00	0	-	4.47	4.56	4.53	0	189	0.06
PARBATI III HEP(4 * 130)	520	400	0	330	389	09:00	0	10:00	5.81	5.93	5.89	0	245	0.08
PARBATI-II(4 * 200)	800	-	404	373	406	22:00	0	10:00	-	6.16	6.01	0	250	-
SALAL HPS(6 * 115)	690	440	506	684	690	01:00	264	15:00	13.48	13.65	13.49	0	562	0.01
SEWA-II HPS(3 * 40)	120	126	126	82	126	21:00	81.93	03:00	2.69	2.85	2.83	0	118	0.14
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	103	103	103	01:59	102.3	11:00	2.26	2.47	2.44	0	102	0.18
URI HPS(4 * 120)	480	445	454	448	463	14:15	291	13:15	10.68	10.83	10.75	0	448	0.07
URI-II HPS(4 * 60)	240	200	225	222	226	18:00	221.55	05:00	4.92	5.37	5.33	0	222	0.41
Sub-Total	5,195	3,804	3,879	4,306	-	-	-	-	86.39	94.08	93.15	-0.17	3,881	0.92
NPCL														
NAPS(2 * 220)	440	189	216	218	219	04:00	0	-	4.54	5.18	4.63	0	193	0.09
RAPP-D	700	260	0	0	0	-	0	-	6.24	7.47	6.22	0	259	-0.02
RAPS-B(2 * 220)	440	362	415	417	420	09:00	415	19:00	8.69	10.06	8.94	0	373	0.25
RAPS-C(2 * 220)	440	404	449	448	449	08:00	0	-	9.7	10.79	9.69	0	404	-0.01
Sub-Total	2,020	1,215	1,080	1,083	-	-	-	-	29.17	33.5	29.48	0	1,229	0.31
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	376	242	0	247	20:44	0	-	0.64	0.54	0.47	0	20	-0.17
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	610	0	0	0	-	0	-	1.04	0.91	0.83	0	35	-0.21
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	800	410	0	410	20:00	0	-	1.33	1.1	1.05	0	44	-0.28
DADRI-I TPS(4 * 210)	840	576	547	360	563	19:45	0	-	7.62	9.65	8.71	0	363	1.09
DADRI-II TPS(2 * 490)	980	919	905	523	933	19:15	0	-	14.15	15.47	14.4	0	600	0.25
KOLDAM HPS(4 * 200)	800	871	868	864	879	00:00	0	-	20.91	20.97	20.86	0	869	-0.05
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	3.39	3.89	3.89	0	162	0.5
RIHAND-I STPS(2 * 500)	1,000	920	993	986	1,007	20:00	560	12:00	19.79	21.27	19.35	0.19	806	-0.63
RIHAND-II STPS(2 * 500)	1,000	943	994	1,007	1,013	07:00	549	12:00	20.29	21.5	20.12	0	838	-0.17
RIHAND-III STPS(2 * 500)	1,000	943	984	992	1,015	22:00	923	12:00	20.29	21.41	20.14	0.14	839	-0.29
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	1,206	1,279	1,512	1,512	03:00	840	13:00	28.55	30.6	27.62	0	1,151	-0.93
TANDA TPS STAGE-II(2 * 660)	1,320	1,244	1,224	1,127	1,224	20:00	0	-	23.2	24.88	23.15	0	965	-0.05
UNCHAHAH II TPS(2 * 210)	420	379	404	261	409	23:00	246	08:30	6.14	7.18	6.38	0.33	266	-0.09
UNCHAHAH III TPS(1 * 210)	210	191	211	127	211	20:00	117	08:00	3.13	3.55	3.21	0.14	134	-0.06
UNCHAHAH IV TPS(1 * 500)	500	466	474	312	501	23:00	285	07:30	7.68	8.62	7.94	0.33	331	-0.07
UNCHAHAH TPS(2 * 210)	420	365	402	244	402	20:00	238	11:00	5.89	6.79	5.86	0	244	-0.03
Sub-Total	12,655	10,809	9,937	8,315	-	-	-	-	184.04	198.33	183.98	1.13	7,667	-1.19
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,625	1,648	1,649	06:00	1,607	12:00	38.81	39.44	39.13	0	1,630	0.32
RAMPUR HEP(6 * 68.67)	412	449	448	451	451	03:00	445	11:00	10.54	10.88	10.8	0	450	0.26
Sub-Total	1,912	2,079	2,073	2,099	-	-	-	-	49.35	50.32	49.93	0	2,080	0.58
THDC														
KOTESHWAR HPS(4 * 100)	400	390	389	189	392	22:00	97	08:00	4.15	4.35	4.34	0.14	181	0.05

TEHRI HPS(4 * 250)	1,000	908	889	881	920	18:00	0	09:00	11.94	12.16	12.11	0	505	0.17
Sub-Total	1,400	1,298	1,278	1,070	-	-	-	-	16.09	16.51	16.45	0.14	686	0.22
Total	28,483	22,673	21,614	19,210					419.35	451.47	427.73	1.44	17,823	0.93

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	226	104	227	21:00	0	-	3.31	3.45	3.42	143	0.11
BUDHIL HPS (IPP)(2 * 35)	70	69	78	70	78	07:00	60.42	01:00	1.76	1.81	1.8	75	0.04
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,140	1,140	1,140	20:00	1,140	11:00	27.03	27.19	27.04	1,127	0.01
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	00:00	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	336	339	87	342	21:00	0	-	3.75	4.03	3.72	155	-0.03
SINGOLI BHATWARI HEP(3 * 33)	99	107	101	99	106	23:12	0	-	2.24	2.38	2.36	98	0.12
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	100	102	0	104	19:00	0	-	1.76	1	1	42	-0.76
Sub-Total	1,906	1,842	1,986	1,500	-	-	-	-	39.85	39.86	39.34	1,640	-0.51
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.99	2.69	2.69	112	-0.3
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.66	1.73	1.73	72	0.07
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	205	11:54	0	-	1.5	1.4	1.4	58	-0.1
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	0	-	0	-	1.91	1.89	1.89	79	-0.02
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	1.97	2.5	2.5	104	0.53
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	2.03	1.88	1.88	78	-0.15
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	0	-	0	-	1.97	1.59	1.59	66	-0.38
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.46	1.68	1.68	70	0.22
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	0	-	0	-	1.92	1.99	1.99	83	0.07
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.58	0.6	0.6	25	0.02
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.58	0.58	0.58	24	0
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	0	-	0	-	2.56	2.62	2.62	109	0.06
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	192	12:18	0	-	1.21	1.24	1.24	52	0.03
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	143	11:30	0	-	0.92	0.93	0.93	39	0.01
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	127	11:30	0	-	0.98	0.91	0.91	38	-0.07
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.3	0.3	0.3	13	0
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	150	11:15	0	-	0.75	0.75	0.75	31	0
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	178	11:42	0	-	1.14	1.13	1.1	46	-0.04
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	108	10:14	0	-	0.67	0.69	0.69	29	0.02
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	381	12:12	0	-	2.02	1.93	1.92	80	-0.1
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.55	0.5	0.5	21	-0.05
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	90	10:01	0	-	0.55	0.62	0.62	26	0.07
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.15	0.13	0.15	6	0
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	231	13:10	0	-	1.43	1.57	1.57	65	0.14
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	327	12:15	0	-	2.03	2.19	2.19	91	0.16
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	326	14:31	0	-	2.07	2.43	2.42	101	0.35
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	287	12:30	0	-	1.85	1.87	1.87	78	0.02
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	300	13:48	0	-	1.87	2.02	2.02	84	0.15
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	295	14:48	0	-	1.5	1.72	1.72	72	0.22
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	567	11:00	0	-	3.7	3.76	3.76	157	0.06
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	166	11:50	0	-	0.99	1.07	1.07	45	0.08
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	277	12:05	0	-	1.79	1.77	1.77	74	-0.02
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	131	12:18	0	-	0.74	0.81	0.81	34	0.07
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	1	1.33	1.33	55	0.33
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	292	12:48	0	-	1.83	1.91	1.91	80	0.08
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	240	12:39	0	-	1.54	1.59	1.59	66	0.05
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	-	1.28	1.47	1.47	61	0.19
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.87	0.85	0.85	35	-0.02
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	300	11:28	0	-	1.77	1.77	1.77	74	0
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	302	12:40	0	-	2.13	1.91	1.87	78	-0.26
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.58	1.94	1.94	81	0.36
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	89	10:01	0	-	0.55	0.61	0.6	25	0.05
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	95	14:47	0	-	0.54	0.54	0.54	23	0
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.22	1.55	1.55	65	0.33
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	44	14:47	0	-	0.26	0.26	0.26	11	0
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	157	09:36	0	-	0.84	1	1	42	0.16
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.42	1.37	1.37	57	-0.05
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.09	3.61	3.61	150	0.52
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	49	12:23	0	-	0.3	0.32	0.32	13	0.02
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	49	12:18	0	-	0.29	0.32	0.32	13	0.03
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	279	12:00	0	-	1.81	1.81	1.81	75	0
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	86	09:57	0	-	0.56	0.59	0.58	24	0.02
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.55	1.7	1.7	71	0.15
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.66	1.93	1.93	80	0.27
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.14	0.16	0.16	7	0.02
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.87	0.82	0.82	34	-0.05
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.65	1.8	1.8	75	0.15
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	261	11:33	0	-	1.25	1.55	1.55	65	0.3
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	227	15:52	0	-	1.42	1.52	1.52	63	0.1
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	296	12:54	0	-	1.6	1.6	1.6	67	0
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	233	14:00	0	-	0.31	0.31	0.31	13	0
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.53	1.42	1.42	59	-0.11
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	282	12:47	0	-	1.7	1.51	1.51	63	-0.19
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	291	11:12	0	-	1.52	1.44	1.44	60	-0.08
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	0.85	0.82	0.82	34	-0.03
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	166	12:02	0	-	1.03	0.99	0.98	41	-0.05
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.79	1.44	1.44	60	-0.35
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	76	11:48	0	-	0.54	0.47	0.47	20	-0.07
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	193	11:12	0	-	1.22	1.3	1.3	54	0.08
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	178	11:32	0	-	1.13	1.17	1.17	49	0.04
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	269	12:58	0	-	1.58	1.39	1.39	58	-0.19
SJVN GREEN ENERGY LIMITED	242	0	0	0	422	14:39	0	-	2.29	2.63	2.59	108	0.3
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED _BKN2	168	0	0	0	0	-	0	-	0.99	0.91	0.91	38	-0.08
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	225	16:08	0	-	1.3	1.49	1.49	62	0.19
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.04	0.04	0.04	2	0
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	273	13:03	0	-	1.5	1.48	1.48	62	-0.02
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	82	10:15	0	-	0.15	0.53	0.53	22	0.38
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	217	13:46	0	-	1.3	1.36	1.36	57	0.06
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	285	12:18	0	-	1.64	1.66	1.66	69	0.02
TATA POWER SAURYA LIMITED	110	0	0	0	80	15:39	0	-	0.54	0.54	0.54	23	0
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	301	13:39	0	-	1.85	1.87	1.87	78	0.02
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.36	0.37	0.37	15	0.01
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	98	10:15	0	-	0.56	0.64	0.64	27	0.08
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	49	10:15	0	-	0.33	0.32	0.32	13	-0.01
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.34	0.33	0.33	14	-0.01
UNCHAHAR SOLAR(10)	10	0	0	0	5	10:00	0.33	07:00	0.01	0.02	0.02	1	0.01
XL XERGI POWER PRIVATE LIMITED	400	0	0	0	194	12:00	0	-	1.57	1.19	1.17	49	-0.4

Sub-Total	18,398	0	0	0	-	-	-	-	109.34	112.97	112.81	4,703	3.47
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	0	-	0	-	4.31	4.32	4.32	180	0.01
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	5.24	6.01	6.01	250	0.77
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	357	12:16	0	-	2.33	2.32	2.32	97	-0.01
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	0	0	0	-	0	-	0.98	1.21	1.21	50	0.23
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	290	-	0	-	2.12	2.02	2.02	84	-0.1
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	0	0	0	-	0	-	0.78	1.01	1.01	42	0.23
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	281	11:45	0	-	1.71	1.84	1.84	77	0.13
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	0	0	0	-	0	-	0.76	1.01	1.01	42	0.25
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	415	12:04	0	-	1.81	2.27	2.27	95	0.46
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	39	70	91	05:15	0	-	1.46	1.27	1.27	53	-0.19
Sub-Total	2,846	0	39	70	-	-	-	-	21.5	23.28	23.28	970	1.78
Total	23,150	1,842	2,025	1,570					170.69	176.11	175.43	7,313	4.74

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	31,823	30,604	785.01	738.65	30,782
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		4,071	5,326	356.96	356.96	13,534
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		3	13	0.11	0.11	-4
Total Regional Availability(Gross)	118,107	59,536	56,723	1,769.66	1,698.88	69,448

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	11,835	11,205	252.72	248.95	10,373
State Control Area Hydro	7,855	5,384	5,543	133.49	133.29	5,558
Total Regional Hydro	22,577	17,219	16,748	386.21	382.24	15,931

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,489	39	70	140.14	139.98	5,835
State Control Area Renewable	13,630	1,276	3,698	82.77	82.6	3,440
Total Regional Renewable	35,119	1,315	3,768	222.91	222.58	9,275

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,623	0	0	129.63	129.47	5,398
State Control Area Solar	8,586	112	1,813	42.94	42.94	1,788
Total Solar	29,209	112	1,813	172.57	172.41	7,186

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	39	70	10.51	10.51	437
State Control Area Wind	4,328	1,025	1,753	33.24	33.24	1,385
Total Wind	5,194	1,064	1,823	43.75	43.75	1,822

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)	24	32	-	37	0	0.58	-0.58
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	-	-	-
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	1.3	0	1.3
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	1.65	0	1.65
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	0.03	0	0.03
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	1.25	0	1.25
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	6	0	6
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-326	-372	454	136	4.85	0	4.85
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-367	-319	420	44	5.08	0	5.08
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	1.87	0	1.87

Import/Export between EAST REGION and NORTH REGION								
13	400KV-Varanasi (PG)-Sasaram(PG)	-59	-46	114	0	0.35	0	0.35
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	11.65	0	11.65
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	1.25	0	1.25
16	765KV-Varanasi (PG)-Gaya(PG)	-500	-342	617	759	1.65	0	1.65
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	17	0	17
Sub-Total EAST REGION		-1,228	-1,047	1,605	976	53.93	0.58	53.35
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	8.44	0	8.44
Sub-Total NORTH_EAST REGION		0	0	0	0	8.44	0	8.44
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)	1	65	-	39	0.62	0	0.62
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	102	96	116	-	2.4	0	2.4
6	220KV-Ranpur (RS)-Bhanpura(MP)	97	89	97	-	2.09	0	2.09
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-415	-482	-605	244	5.85	0	5.85
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0.85	0	0.85
10	400KV-RAPS C (NP)-Sujalpur	403	410	517	284	4.08	0	4.08
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-574	-505	0	-641	0	9.3	-9.3
13	765KV-0rai-Jabalpur	2,548	2,161	2,698	0	39.44	0	39.44
14	765KV-0rai-Satna	985	974	1,075	0	13.24	0	13.24
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	45.35	0	45.35
16	765KV-Chittorgarh-Banaskata D/C	-74	-404	-1,604	167	13.55	0	13.55
17	765KV-Phagi (RJ)-Gwalior(PG)	1,608	1,386	1,709	-745	19.55	0	19.55
18	765KV-Varanasi (PG)-Vindhyachal(PG)	-3,033	-2,565	3,095	0	62.1	0	62.1
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	1,501	1,998	2,005	0	38.75	0	38.75
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	150	150	150	-	3.05	0	3.05
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	2,000	3,000	3,000	0	53.55	0	53.55
Sub-Total WEST REGION		5,299	6,373	12,253	-652	304.47	9.3	295.17
TOTAL IR EXCHANGE		4,071	5,326	13,858	324	366.84	9.88	356.96

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	101.86	14.91	0	0	0	102.25	53.35	-48.9
NR-NORTH_EAST REGION	0	0	0	0	0	0	8.44	8.44
NR-WR	173.26	109.64	0	6.57	0	292.01	295.17	3.16
Total	275.12	124.55	0	6.57	0	394.26	356.96	-37.3

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)	3	13	44.184	48	0.27	0.16	0.11	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	.44	6.13	44.46	72.87	16.68	4.32	0	21

<-----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.	
50.2	11:05:30	49.77	14:40:50	50	0.037	0.06	50.15	49.85	27.13

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	418	23:55	403	14:40	0	0	0	0	0
Amritsar(PG) - 400KV	412	03:55	395	12:20	0	0	0	0	0
Ballabgarh(PG) - 400KV	416	05:00	397	14:40	0	0	0	0	0
Bareilly II(PG) - 400KV	417	07:45	401	19:40	0	0	0	0	0

Bareilly(UP) - 400KV	418	07:45	402	19:40	0	0	0	0	0
Baspa(HP) - 400KV	408	00:20	381	18:40	5.56	5.9	0	0	5.56
Bassi(PG) - 400KV	418	04:00	406	14:40	0	0	0	0	0
Bawana(DTL) - 400KV	416	05:00	402	14:40	0	0	0	0	0
Dadri HVDC(PG). - 400KV	416	07:45	402	14:40	0	0	0	0	0
Gorakhpur(PG) - 400KV	414	07:50	391	21:30	0	0	0	0	0
Hisar(PG) - 400KV	419	04:00	400	14:45	0	0	0	0	0
Kanpur(PG) - 400KV	417	08:00	403	19:40	0	0	0	0	0
Kashipur(UT) - 400KV	418	07:45	411	19:45	0	0	0	0	0
Kishenpur(PG) - 400KV	417	05:30	407	14:45	0	0	0	0	0
Moga(PG) - 400KV	413	23:55	396	12:15	0	0	0	0	0
Nallagarh(PG) - 400KV	408	00:20	381	18:40	5.56	5.9	0	0	5.56
Rihand HVDC(PG) - 400KV	400	10:35	393	19:40	0	0	0	0	0
Rihand(NT) - 400KV	402	13:05	395	00:00	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	791	09:05	0	18:45	3.13	3.13	0	0	3.13
Balia(PG) - 765KV	782	07:50	750	20:30	0	0	0	0	0
Bareilly II(PG) - 765KV	794	07:45	761	19:40	0	0	0	0	0
Bhiwani(PG) - 765KV	794	02:00	0	18:45	1.04	1.39	0	0	1.04
Fatehpur(PG) - 765KV	786	13:05	755	00:00	0	0	0	0	0
Jhatikara(PG) - 765KV	791	05:00	764	11:50	0	0	0	0	0
Lucknow II(PG) - 765KV	787	08:00	751	19:40	0	0	0	0	0
Meerut(PG) - 765KV	805	07:45	767	14:40	0	0	2.43	0	2.43
Moga(PG) - 765KV	799	04:00	768	09:10	0	0	0	0	0
Phagi(RJ) - 765KV	799	02:25	775	12:20	0	0	0	0	0
Unnao(UP) - 765KV	778	08:00	750	19:40	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	1,108.37	0	0	0	1,761.99	0	-100	0	0	0	0
HARYANA	2,918.46	74.02	0	192.76	0	0	0	3,225.92	1.26	0	-1,091.9	0	0	0
RAJASTHAN	597.56	-2.22	-40.62	0	0	0	0	836.7	-28.36	-109.8	-517.44	0	0	0
DELHI	1,023.62	0	-75	222.15	0	0	0	1,051.28	0	-146.5	235.09	0	0	0
UTTAR PRADESH	1,134.02	135.57	170.16	440.46	0	0	0	2,704.84	308.4	617.25	345.23	0	0	0
UTTARAKHA ..	-430	-4.2	100.24	48.19	0	0	0	-231.81	-10.4	176.77	93.87	0	0	0
HIMACHAL PRADESH	-137	-85.2	-91.9	46.12	0	0	0	-189.75	-84.9	-51.3	195.97	0	0	0
J&K(UT) & LADAKH(UT)	-465	0	-14.4	-781	0	0	0	-528	-46.8	-16.3	48.19	0	0	0
CHANDIGARH	60.33	0	-109.5	-46	0	0	0	109.66	0	-110	0	0	0	0
RAILWAYS_NRI	36.1	25.06	0	0	0	0	0	36.1	3.39	0	21.2	0	0	0
TOTAL	6,545.91	147.17	-61.02	1,231.05	0	0	0	8,776.93	142.59	260.12	-669.79	0	0	0

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	112.67	42.03	0.11	6.1	38.78	199.69
HARYANA	130.06	77.73	1.19	-0.63	-11	196.69
RAJASTHAN	110.33	13.59	-0.1	-1.33	-1.32	121.17
DELHI	94.33	24.46	0.05	-0.79	5.75	123.8
UTTAR PRADESH	216.97	20.91	2.76	1.63	5.12	247.46
UTTARAKHAND	28.29	-7.2	0.1	3.96	1.07	25.63
HIMACHAL PRADESH	13.31	-7.07	-1.39	-2.32	1.76	4.29
J&K(UT) & LADAKH(UT)	43.45	-5.33	-0.22	-0.21	-13.55	24.14
CHANDIGARH	7.27	1.56	0	-1.47	-0.34	7.02
RAILWAYS_NR ISTS	2.49	0.87	0.22	0.07	0.04	3.69
TOTAL	759.17	161.55	2.72	5.01	26.31	953.58

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	5,020.74	4,190.91	1,929.29	1,645.32	289.14	0	0	0
HARYANA	6,094.52	4,756.78	3,563.63	2,918.36	84.33	0	0	0
RAJASTHAN	5,072.98	3,290.64	886.7	302.42	42.36	-54	0	0
DELHI	4,505.34	3,431.83	1,396.26	773.03	73.25	0	0	0
UTTAR PRADESH	11,203.76	7,028.12	2,858.56	-22.54	465.8	6.81	0	0
UTTARAKHAND	1,436.14	894.83	-231.81	-430	21.28	-11.6	0	0
HIMACHAL PRADESH	1,029.91	201.8	-115.76	-619.51	4.77	-85.2	0	0
J&K(UT) & Ladakh(UT)	1,871.33	1,708.78	0	-578	0	-46.8	0	0
CHANDIGARH	351.39	242.61	110.67	36.44	0	0	0	0
RAILWAYS_NR ISTS	115.51	72.9	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	1,204.75	-100	0	0	3,951.58	-1,000	0	0
HARYANA	13.59	-627.59	0	0	192.76	-1,300	0	0
RAJASTHAN	28.42	-307.24	0	0	620.95	-780.92	0	0
DELHI	249.62	-304	0	0	879.88	-102.66	0	0
UTTAR PRADESH	809.14	-1,937.46	0	0	543.78	-483.64	0	0
UTTARAKHAND	334.25	0	0	0	250.59	-85.98	0	0
HIMACHAL PRADESH	-20.9	-201.9	0	0	273.08	-118.7	0	0
J&K(UT) & LADAKH(UT)	0	-22	0	0	332.15	-1,017	0	0
CHANDIGARH	0	-137.9	0	0	59.76	-57	0	0
RAILWAYS_NR ISTS	25.06	0	0	0	22.32	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	494.09	869	490.08	739	1,387.16	628.83
Chamera-I	748.75	760	753.95	755.52	13	-	-	775.17	350.99
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	610.25	5	610.7	5	305	289.6
Pong	384.05	426.72	1,084	412.73	589	402.31	274	3,489.14	277.76
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	509.3	209	491.21	20	600.98	261.52
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	796	538	793.15	498	694.28	305
TOTAL	-	-	-	-	2,223	-	1,536	7,251.73	2,113.7

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
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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	2	15
DELHI	7	21
HARYANA	5	15
HIMACHAL PRADESH	14	74
J&K(UT) & Ladakh(UT)	10	27
PUNJAB	4	16
RAJASTHAN	8	19
UTTAR PRADESH	4	18
UTTARAKHAND	7	30

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	5,828	3,533	5828	20:00:00	93.38	3,891
NCR_DRAWAL	-	12,790	14,419	16182	00:00:00	333.77	13,907
NCR_DEMAND	-	18,617	17,953	19715	00:00:00	428.82	17,868
LADAKH_DEMAND	-	8	-9	8	19:45:00	-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.Complete generation loss in a generating station :

19.Remarks :

No Records Found

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

Shift In Charge