



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 10th June 2022

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 09.06.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जून-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 09th June 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 10-Jun-2022

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	65332	58731	45384	22782	3035	195264
Peak Shortage (MW)	210	0	0	368	0	578
Energy Met (MU)	1604	1432	1064	557	56	4712
Hydro Gen (MU)	311	31	70	112	30	554
Wind Gen (MU)	78	160	181	-	-	419
Solar Gen (MU)*	112.40	52.77	113.10	5.43	0.38	284
Energy Shortage (MU)	12.62	0.00	0.00	8.11	0.02	20.75
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	71296	64782	49632	25049	3057	210793
Time Of Maximum Demand Met (From NLDC SCADA)	13:53	15:19	15:24	00:17	19:40	15:00

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.066	1.15	2.06	4.39	7.59	71.52	20.89

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	10561	0	234.0	124.9	-1.1	88	0.00
	Haryana	10374	0	219.7	146.8	0.2	165	0.00
	Rajasthan	15391	20	323.8	79.6	0.2	358	2.19
	Delhi	7048	0	142.4	130.3	0.1	240	0.00
	UP	25378	0	537.0	270.0	1.1	628	7.53
	Uttarakhand	2460	0	52.2	31.6	1.2	195	1.45
	HP	1703	0	36.2	7.6	0.1	69	0.00
	J&K(UT) & Ladakh(UT)	1938	0	51.5	25.5	0.7	239	1.45
	Chandigarh	382	0	7.5	7.6	0.0	31	0.00
	WR	Chhattisgarh	4685	0	111.5	57.2	-0.2	224
Gujarat		21047	0	452.1	194.6	0.0	1001	0.00
MP		11370	0	264.1	128.3	0.0	345	0.00
Maharashtra		25103	0	543.4	173.4	-6.1	579	0.00
Goa		634	0	14.2	13.7	0.0	37	0.00
DNHDDPDCL		1217	0	28.6	28.3	0.3	55	0.00
AMNSIL		862	0	17.7	10.8	-0.1	246	0.00
SR	Andhra Pradesh	10822	0	223.5	85.1	0.6	702	0.00
	Telangana	9367	0	188.1	67.9	1.4	723	0.00
	Karnataka	9761	0	202.8	33.1	-0.6	561	0.00
	Kerala	3989	0	79.5	56.7	0.1	211	0.00
	Tamil Nadu	16841	0	359.8	147.9	1.9	993	0.00
	Puducherry	419	0	10.1	9.6	-0.2	39	0.00
ER	Bihar	6036	0	120.9	110.8	-0.7	391	0.85
	DVC	3572	0	76.4	-43.8	0.2	306	0.00
	Jharkhand	1650	0	32.5	26.8	0.5	209	7.26
	Odisha	6399	0	140.0	68.4	2.1	581	0.00
	West Bengal	9529	0	185.8	68.0	-0.8	403	0.00
NER	Sikkim	96	0	1.5	1.6	-0.2	18	0.00
	Arunachal Pradesh	141	0	2.6	2.6	0.0	38	0.00
	Assam	1998	0	35.8	29.9	0.1	105	0.00
	Manipur	188	0	2.7	2.7	0.0	30	0.02
	Meghalaya	319	0	5.4	1.2	-0.1	30	0.00
	Mizoram	109	0	1.7	1.8	-0.2	13	0.00
	Nagaland	135	0	2.5	2.3	-0.2	13	0.00
	Tripura	258	0	4.9	3.6	0.7	62	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.1	4.7	-25.2
Day Peak (MW)	1816.0	218.5	-1062.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	319.4	-175.8	-7.7	-130.0	-5.9	0.0
Actual(MU)	311.7	-200.3	2.9	-118.1	-7.3	-11.2
O/D/U/D(MU)	-7.7	-24.6	10.6	11.9	-1.4	-11.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2558	9507	6338	2270	638	21311	41
State Sector	9078	10816	7745	2370	160	30168	59
Total	11636	20322	14083	4640	799	51479	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	733	1334	559	594	15	3235	67
Lignite	26	10	52	0	0	88	2
Hydro	311	31	70	112	30	554	11
Nuclear	14	34	67	0	0	115	2
Gas, Naptha & Diesel	35	36	9	0	22	102	2
RES (Wind, Solar, Biomass & Others)	204	213	343	5	0	766	16
Total	1322	1658	1101	711	68	4861	100

Share of RES in total generation (%)	15.41	12.86	31.18	0.76	0.56	15.76
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	39.92	16.79	43.61	16.54	44.98	29.52

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.014
Based on State Max Demands	1.052

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 10-Jun-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	1000	0.0	13.6	-13.6	
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2	
3	765 kV	GAYALYARANASI	2	228	734	0.0	5.8	-5.8	
4	765 kV	SASARAM-FATEHPUR	1	0	577	0.0	7.9	-7.9	
5	765 kV	GAYA-BALIA	1	0	825	0.0	13.3	-13.3	
6	400 kV	PUSAULI-VARANASI	1	50	53	0.1	0.0	0.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	109	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1290	0.0	23.4	-23.4	
9	400 kV	PATNA-BALIA	2	0	620	0.0	11.9	-11.9	
10	400 kV	NAUBATPUR-BALIA	2	0	655	0.0	12.1	-12.1	
11	400 kV	BIHARSHARIFF-BALIA	2	0	846	0.0	12.5	-12.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	659	0.0	10.6	-10.6	
13	400 kV	BIHARSHARIFF-VARANASI	2	39	384	0.0	5.0	-5.0	
14	220 kV	SAHUPUR-KARMANASA	1	0	193	0.0	3.0	-3.0	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
17	132 kV	KARMANASA-SAHUPURI	1	0	60	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	121.5	-121.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	29.6	0.0	29.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1136	372	11.1	0.0	11.1	
3	765 kV	JHARSUGUDA-DURG	2	0	314	9.8	0.0	9.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.2	-4.2	
5	400 kV	RANCHI-SIPAT	2	248	135	2.9	0.0	2.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	120	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	139	0	2.2	0.0	2.2	
						ER-WR	55.5	5.4	50.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	150	500	0.0	9.7	-9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1393	0.0	31.3	-31.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2834	0.0	47.0	-47.0	
4	400 kV	TALCHER-I/C	2	708	0	13.4	0.0	13.4	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	88.1	-88.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	141	201	0.5	1.1	-0.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	145	293	0.0	1.7	-1.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	98	0.0	1.2	-1.2	
						ER-NER	0.5	4.0	-3.5
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPACKURUKSHETRA	2	0	3508	0.0	56.1	-56.1	
2	HVDC	VINDHYACHAL B/B	-	444	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1517	0.0	17.4	-17.4	
4	765 kV	GWALIOR-AGRA	2	0	2525	0.0	35.1	-35.1	
5	765 kV	GWALIOR-PHAGI	2	243	1681	0.2	20.7	-20.4	
6	765 kV	JABALPUR-ORAI	2	0	1194	0.0	31.2	-31.2	
7	765 kV	GWALIOR-ORAI	1	632	0	9.0	0.0	9.0	
8	765 kV	SATNA-ORAI	1	0	1305	0.0	22.2	-22.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	711	818	2.6	0.0	2.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3489	0.0	60.8	-60.8	
11	400 kV	ZERDA-KANKROLI	1	286	45	3.6	0.0	3.6	
12	400 kV	ZERDA-BHINMAL	1	762	0	10.1	0.0	10.1	
13	400 kV	VINDHYACHAL -RIHAND	1	978	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUALPUR	2	302	550	1.6	4.4	-2.8	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4	
17	220 kV	MEHGAON-AURAIYA	1	130	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	88	0	2.1	0.0	2.1	
19	132 kV	GWALIOR-SAWALMADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	64.5	250.2	-185.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2867	0	36.7	0.0	36.7	
3	765 kV	SOLAPUR-RAICHUR	2	684	2121	3.0	14.5	-11.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	2831	0.0	41.8	-41.8	
5	400 kV	WARDHA-KUDGI	2	1641	0	27.6	0.0	27.6	
6	220 kV	KOLHAPUR-CHIKODI	1	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	102	2.1	0.0	2.1	
						WR-SR	93.4	56.3	37.1
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	771	0	664	15.9			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	689	0	498	11.9			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	293	225	244	5.9			
	NER	132KV GELEPHU-SALAKATI	41	16	22	0.5			
NEPAL	NER	132KV MOTANGA-RANGIA	60	0	47	1.1			
	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-66	-1.6			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	333	187	283	6.8			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-946	-942	-944	-22.7			
BANGLADESH	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-116	0	-108	-2.6			