



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: 9th 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 08.06.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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: 09-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)	65067	59114	44189	24729	3059	196158
Peak Shortage (MW)	500	0	0	436	0	936
Energy Met (MU)	1588	1463	1037	565	58	4711
Hydro Gen (MU)	309	29	62	102	27	528
Wind Gen (MU)	70	171	194	-	-	436
Solar Gen (MU)*	109.24	52.72	106.25	4.68	0.47	273
Energy Shortage (MU)	15.13	0.00	0.00	7.08	0.25	22.46
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70710	65699	48015	25683	3121	209809
Time Of Maximum Demand Met (From NLDC SCADA)	22:08	15:16	15:24	23:14	19:06	14:55

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	0.019	0.00	0.00	0.90	0.90	80.72	18.38

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	10364	0	232.6	114.3	-1.1	111	0.00
	Haryana	10383	0	218.3	146.0	0.0	245	0.00
	Rajasthan	15053	0	315.9	78.6	2.4	413	3.19
	Delhi	6824	0	139.5	127.7	-0.4	275	0.00
	UP	25258	300	533.3	267.3	-0.7	641	9.09
	Uttarakhand	2396	0	52.9	31.6	1.4	169	0.82
	HP	1664	0	36.1	7.3	0.7	170	0.21
	J&K(UT) & Ladakh(UT)	2011	185	52.4	25.8	1.5	218	1.82
WR	Chandigarh	383	0	7.4	7.6	-0.2	30	0.00
	Chhattisgarh	4629	0	106.0	61.4	-0.2	444	0.00
	Gujarat	20951	0	443.9	192.1	0.0	686	0.00
	MP	11401	0	264.6	129.5	0.0	328	0.00
	Maharashtra	26972	0	589.4	186.0	-0.8	732	0.00
	Goa	634	0	14.2	13.7	0.0	28	0.00
	DNHDDPDCL	1209	0	28.3	28.1	0.2	66	0.00
AMNSIL	775	0	16.5	9.9	0.4	303	0.00	
SR	Andhra Pradesh	10249	0	214.3	75.5	-1.3	770	0.00
	Telangana	9333	0	192.2	74.7	3.0	1250	0.00
	Karnataka	9586	0	195.1	27.6	-2.1	474	0.00
	Kerala	3839	0	78.4	55.7	0.2	209	0.00
	Tamil Nadu	15969	0	348.2	141.3	-5.7	413	0.00
	Puducherry	445	0	9.2	9.4	-0.2	53	0.00
ER	Bihar	6497	0	131.9	122.7	-2.6	208	0.27
	DVC	3467	0	76.8	-43.1	0.2	244	0.00
	Jharkhand	1512	0	31.4	26.1	1.1	233	6.81
	Odisha	6298	0	128.5	58.0	3.0	590	0.00
	West Bengal	9713	0	194.6	71.8	-0.1	353	0.00
	Sikkim	98	0	1.6	1.6	-0.1	25	0.00
NER	Arunachal Pradesh	139	0	2.6	2.6	-0.1	22	0.00
	Assam	1977	0	38.2	31.5	0.2	174	0.00
	Manipur	193	0	2.7	2.5	0.2	35	0.00
	Meghalaya	329	0	5.4	0.4	0.3	76	0.25
	Mizoram	110	0	1.7	1.6	0.0	32	0.00
	Nagaland	145	0	2.5	2.0	0.0	32	0.00
Tripura	299	0	5.2	3.8	0.8	96	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	26.4	4.3	-25.5
Day Peak (MW)	1605.0	173.4	-1088.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	300.6	-160.4	-21.7	-120.7	2.2	0.0
Actual(MU)	290.5	-169.4	-27.3	-104.5	2.7	-8.0
OD/UD(MU)	-10.1	-9.0	-5.6	16.2	0.6	-8.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2648	10388	6138	1610	663	21448	44
State Sector	8840	9731	7073	1560	160	27363	56
Total	11488	20119	13211	3170	824	48811	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	751	1342	568	603	15	3279	67
Lignite	21	10	51	0	0	81	2
Hydro	309	29	62	102	27	529	11
Nuclear	14	32	67	0	0	114	2
Gas, Naptha & Diesel	35	36	8	0	19	98	2
RES (Wind, Solar, Biomass & Others)	194	225	347	5	0	771	16
Total	1324	1674	1104	709	61	4871	100
Share of RES in total generation (%)	14.68	13.42	31.47	0.65	0.77	15.84	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.08	17.08	43.19	15.01	44.63	29.02	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.054

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: 09-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	351	0.0	8.6	-8.6	
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2	
3	765 kV	GAYA-VARANASI	2	169	543	0.0	4.6	-4.6	
4	765 kV	SASARAM-FATEHPUR	1	0	440	0.0	6.3	-6.3	
5	765 kV	GAYA-BALIA	1	0	764	0.0	12.7	-12.7	
6	400 kV	PUSAULI-VARANASI	1	44	38	0.1	0.0	0.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	102	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1011	0.0	17.4	-17.4	
9	400 kV	PATNA-BALIA	2	0	631	0.0	12.2	-12.2	
10	400 kV	NAURATPUR-BALIA	2	0	669	0.0	12.5	-12.5	
11	400 kV	BIHARSHARIF-BALIA	2	0	602	0.0	7.7	-7.7	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	507	0.0	9.3	-9.3	
13	400 kV	BIHARSHARIF-VARANASI	2	74	304	0.0	3.8	-3.8	
14	220 kV	SAHPURI-KARAMNANA	1	0	173	0.0	2.9	-2.9	
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	61	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	100.7	-100.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	27.2	0.0	27.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1138	0	16.3	0.0	16.3	
3	765 kV	JHARSUGUDA-DURG	2	0	314	9.2	0.0	9.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	5.5	-5.5	
5	400 kV	RANCHI-SIPAT	2	262	49	2.9	0.0	2.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	30	94	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	101	22	0.8	0.0	0.8	
						ER-WR	56.3	6.5	49.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	428	0.0	9.4	-9.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1589	0.0	32.9	-32.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2651	0.0	42.9	-42.9	
4	400 kV	TALCHER-I/C	2	620	0	11.9	0.0	11.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	85.3	-85.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	59	278	0.0	3.8	-3.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	89	520	0.0	7.6	-7.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	103	0.0	1.7	-1.7	
						ER-NER	0.0	13.1	-13.1
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
1	HVDC	CHAMPVA-KURUKSHETRA	2	0	1811	0.0	40.1	-40.1	
2	HVDC	VINDHYACHAL B/B	-	445	0	11.0	0.0	11.0	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1015	0.0	17.7	-17.7	
4	765 kV	GWALIOR-AGRA	2	0	2483	0.0	38.3	-38.3	
5	765 kV	GWALIOR-PHAGI	2	93	1741	0.0	21.8	-21.8	
6	765 kV	JABALPUR-ORAI	2	0	1156	0.0	34.9	-34.9	
7	765 kV	GWALIOR-ORAI	1	652	0	9.7	0.0	9.7	
8	765 kV	SATNA-ORAI	1	0	1119	0.0	21.2	-21.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1080	1050	1.3	0.0	1.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3322	0.0	62.2	-62.2	
11	400 kV	ZERDA-KANKROLI	1	335	97	3.2	0.0	3.2	
12	400 kV	ZERDA-BHINMAL	1	658	10	8.9	0.0	8.9	
13	400 kV	VINDHYACHAL-RIHAND	1	956	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHUALPUR	2	221	519	1.3	4.5	-3.2	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.6	-2.6	
17	220 kV	MEHGAON-AURAIYA	1	131	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	85	0	2.2	0.0	2.2	
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	60.6	243.2	-182.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALTUR	2	2868	0	44.8	0.0	44.8	
3	765 kV	SOLAPUR-RAICHUR	2	1166	1285	7.4	7.2	0.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	2688	0.0	41.2	-41.2	
5	400 kV	KOLHAPUR-KUDGI	2	1770	0	33.9	0.0	33.9	
6	220 kV	KOLHAPUR-CHIKODI	2	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	NELDEAM-AMBEWADI	1	0	101	2.0	0.0	2.0	
						WR-SR	112.2	48.4	63.8

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	733	0	668	16.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	601	0	347	8.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	244	152	165	4.0
	NER	132kV GELEPHU-SALAKATI	-41	-22	-29	-0.7
	NER	132kV MOTANGA-RANGIA	-64	-30	-53	-1.3
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-64	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	-27	-7	-13	-0.3
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	279	149	259	6.2
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-941	-937	-940	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-147	0	-123	-3.0