



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: 09th August 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 08.08.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अगस्त-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 Aug 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-Aug-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)	64624	52236	38420	25140	3328	183748
Peak Shortage (MW)	326	0	0	685	0	1011
Energy Met (MU)	1434	1184	867	555	60	4100
Hydro Gen (MU)	366	68	171	129	34	767
Wind Gen (MU)	6	62	275	-	-	343
Solar Gen (MU)*	90.67	33.95	62.69	4.26	0.85	192
Energy Shortage (MU)	1.56	0.00	0.00	3.06	0.00	4.62
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68163	51454	39072	25735	3350	184047
Time Of Maximum Demand Met (From NLDC SCADA)	22:35	19:35	09:51	00:02	19:40	19:37

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	0.030	0.00	0.45	4.13	4.58	79.82	15.60

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	12964	0	276.4	174.9	-1.0	130	0.00
	Haryana	9784	0	197.5	132.5	1.5	258	0.00
	Rajasthan	11209	0	243.3	74.3	2.6	477	1.37
	Delhi	5776	0	114.4	103.3	-1.0	115	0.00
	UP	24231	0	466.2	217.6	1.5	658	0.00
	Uttarakhand	2164	0	46.8	24.1	0.9	203	0.17
	HP	1711	0	31.6	-5.7	-0.1	128	0.02
	J&K(UT) & Ladakh(UT)	2648	0	50.8	28.9	-3.1	304	0.00
	Chandigarh	356	0	7.0	7.1	-0.1	32	0.00
	WR	Chhattisgarh	4258	0	102.4	67.9	-0.8	247
Gujarat		15257	0	345.4	216.8	-0.4	533	0.00
MP		10132	0	231.8	128.3	0.0	403	0.00
Maharashtra		20391	0	446.0	162.0	-2.2	842	0.00
Goa		564	0	11.6	12.0	-0.4	57	0.00
DNHDDPDCL		1191	0	27.3	27.1	0.2	41	0.00
AMNSIL		880	0	19.3	13.4	-0.6	216	0.00
SR	Andhra Pradesh	7848	0	169.6	-2.7	-0.6	693	0.00
	Telangana	8383	0	157.6	47.3	0.9	690	0.00
	Karnataka	7746	0	160.4	23.2	-1.8	751	0.00
	Kerala	3379	0	67.7	23.3	-1.3	209	0.00
	Tamil Nadu	14435	0	302.8	105.8	-2.6	620	0.00
	Puducherry	422	0	9.2	8.9	-0.4	24	0.00
	ER	Bihar	6742	0	137.0	124.7	1.0	548
DVC		3491	0	74.6	-34.6	-0.7	220	0.00
Jharkhand		1625	0	32.8	24.9	-0.8	293	1.00
Odisha		5917	0	124.2	67.6	0.5	399	0.00
West Bengal		9302	0	184.7	64.4	-0.1	424	0.00
Sikkim		93	0	1.4	2.0	-0.6	3	0.00
NER	Arunachal Pradesh	148	0	2.4	2.2	-0.2	39	0.00
	Assam	2193	0	38.3	29.5	-0.3	89	0.00
	Manipur	178	0	2.6	2.7	-0.1	18	0.00
	Meghalaya	339	0	6.1	2.8	-0.2	38	0.00
	Mizoram	112	0	1.8	0.5	-0.1	2	0.00
	Nagaland	160	0	3.0	2.5	0.0	11	0.00
	Tripura	306	0	6.0	6.1	0.2	50	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	40.9	6.0	-26.1
Day Peak (MW)	1987.0	270.1	-1101.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	266.5	-61.1	-105.1	-90.8	-9.4	0.0
Actual(MU)	259.7	-45.3	-122.9	-83.2	-12.8	-4.5
O/D/U/D(MU)	-6.8	15.8	-17.7	7.7	-3.4	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4167	15466	7458	2070	309	29469	41
State Sector	7650	19536	12885	2540	145	42755	59
Total	11817	35001	20343	4610	453	72224	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	702	1037	351	549	15	2654	62
Lignite	31	11	55	0	0	96	2
Hydro	368	68	171	129	34	769	18
Nuclear	24	36	47	0	0	107	3
Gas, Naptha & Diesel	16	7	3	0	30	61	1
RES (Wind, Solar, Biomass & Others)	116	97	370	4	1	588	14
Total	1256	1255	1002	682	80	4275	100

Share of RES in total generation (%)	9.24	7.70	36.91	0.62	1.06	13.74
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.43	16.01	58.65	19.51	43.14	34.24

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.067

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-Aug-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	1001	0.0	21.6	-21.6	
2	HVDC	PUSAULI B/B	2	0	49	0.0	1.1	-1.1	
3	765 kV	GAYALYARANASI	2	541	264	2.3	0.0	2.3	
4	765 kV	SASARAM-FATEHPUR	1	19	278	0.0	3.2	-3.2	
5	765 kV	GAYA-BALIA	1	0	732	0.0	12.4	-12.4	
6	400 kV	PUSAULI-VARANASI	1	19	67	0.0	0.5	-0.5	
7	400 kV	PUSAULI-ALLAHABAD	1	11	79	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	965	0.0	18.2	-18.2	
9	400 kV	PATNA-BALIA	2	0	553	0.0	9.1	-9.1	
10	400 kV	NAUBATPUR-BALIA	2	0	581	0.0	9.5	-9.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	660	0.0	9.2	-9.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	396	0.0	6.4	-6.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	133	229	0.0	1.3	-1.3	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	165	0.0	2.5	-2.5	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	2.6	95.5	-92.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	0.0	0.1	-0.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1602	0	25.7	0.0	25.7	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	1.6	-1.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.9	-7.9	
5	400 kV	RANCHI-SIPAT	2	259	77	2.4	0.0	2.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	13	123	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	33	109	0.0	0.9	-0.9	
						ER-WR	28.1	11.7	16.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	742	0	16.7	0.0	16.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1646	0.0	29.0	-29.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2473	0.0	39.2	-39.2	
4	400 kV	TALCHER-I/C	2	910	0	13.8	0.0	13.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	16.7	68.2	-51.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	220	205	1.2	1.6	-0.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	382	160	2.1	0.0	2.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	60	42	0.1	0.0	0.1	
						ER-NER	3.3	1.6	1.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3508	0.0	51.1	-51.1	
2	HVDC	VINDHYACHAL B/B	2	446	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1015	0.0	23.6	-23.6	
4	765 kV	GWALIOR-AGRA	2	0	2173	0.0	30.5	-30.5	
5	765 kV	GWALIOR-PHAGI	2	0	1980	0.0	26.0	-26.0	
6	765 kV	JABALPUR-ORAI	2	0	1051	0.0	26.5	-26.5	
7	765 kV	GWALIOR-ORAI	1	942	0	15.9	0.0	15.9	
8	765 kV	SATNA-ORAI	1	0	952	0.0	16.5	-16.5	
9	765 kV	BANASKANTHA-CHITORGARH	2	1609	0	23.6	0.0	23.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3479	0.0	64.8	-64.8	
11	400 kV	ZERDA-KANKROLI	1	328	0	4.6	0.0	4.6	
12	400 kV	ZERDA-JBHINMAL	1	666	69	7.2	0.0	7.2	
13	400 kV	VINDHYACHAL-RIHAND	1	984	0	21.6	0.0	21.6	
14	400 kV	RAPP-SHULIAPUR	2	0	191	0.0	2.9	-2.9	
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	102	0	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	69	11	1.2	0.0	1.2	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	86.7	244.5	-157.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	984	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2880	0	69.6	0.0	69.6	
3	765 kV	SOLAPUR-RAICHUR	2	1740	861	20.5	0.0	20.5	
4	765 kV	WARDHA-NIZAMABAD	2	72	2207	0.0	19.3	-19.3	
5	400 kV	KOLHAPUR-KUDCI	2	1671	0	32.3	0.0	32.3	
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	96	1.8	0.0	1.8	
						WR-SR	148.2	19.3	128.8
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)	727	0	681	16.4			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1085	0	1007	24.2			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	191	0	158	3.8			
	NER	132KV GELEPHU-SALAKATI	-14	0	-5	-0.1			
	NER	132KV MOTANGA-RANGIA	-43	-18	-31	-0.8			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-71	0	-52	-1.3			
	ER	NEPAL IMPORT (FROM BIHAR)	-20	0	-8	-0.2			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	361	201	309	7.4			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-932	-926	-928	-22.3			
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-169	0	-159	-3.8			