



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: 25th 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 24.08.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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: 25-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)	65709	51584	43849	23229	3468	187839
Peak Shortage (MW)	1003	18	0	1663	0	2684
Energy Met (MU)	1493	1160	1064	530	68	4316
Hydro Gen (MU)	387	82	181	134	31	815
Wind Gen (MU)	27	188	143	-	-	358
Solar Gen (MU)*	79.84	37.89	90.36	4.71	0.93	214
Energy Shortage (MU)	5.89	0.10	0.00	8.94	0.00	14.93
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67974	52029	51815	24073	3511	188424
Time Of Maximum Demand Met (From NLDC SCADA)	22:19	19:27	09:41	00:12	19:03	11:35

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	0.046	0.20	1.65	8.97	10.82	81.10	8.08

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	13515	0	306.8	184.3	-1.9	61	0.00
	Haryana	10821	100	234.7	171.1	1.0	280	2.06
	Rajasthan	9824	0	213.9	58.7	-3.7	138	0.00
	Delhi	5783	0	122.6	112.5	-2.5	114	0.00
	UP	24320	0	480.1	211.5	-0.7	436	2.81
	Uttarakhand	2139	75	46.7	23.9	0.3	203	0.62
	HP	1583	0	32.6	-4.0	0.6	85	0.00
	J&K(UT) & Ladakh(UT)	2473	0	48.9	26.1	-0.9	273	0.40
	Chandigarh	340	0	7.1	7.5	-0.5	12	0.00
	Chhattisgarh	4626	0	106.6	63.0	-1.1	205	0.00
WR	Gujarat	14341	0	308.3	152.6	-11.6	758	0.00
	MP	9396	0	196.4	94.1	0.0	1399	0.00
	Maharashtra	21977	0	491.0	173.6	-1.7	585	0.00
	Goa	591	18	11.6	12.8	-1.2	55	0.10
	DNHDDPDCL	1216	0	28.1	28.1	0.0	47	0.00
SR	AMNSIL	816	0	18.4	11.8	-0.2	220	0.00
	Andhra Pradesh	11009	0	219.7	79.0	0.4	755	0.00
	Telangana	13079	0	233.8	82.2	-0.2	741	0.00
	Karnataka	11209	0	208.4	59.8	-0.7	460	0.00
	Kerala	3424	0	69.5	28.2	-1.7	164	0.00
	Tamil Nadu	15249	0	324.0	146.1	3.7	1153	0.00
	Puducherry	412	0	9.1	8.6	-0.2	54	0.00
ER	Bihar	6150	0	126.3	117.9	2.2	594	8.72
	DVC	3370	0	73.6	-35.3	-0.1	316	0.00
	Jharkhand	1500	135	32.4	21.2	-0.4	178	0.22
	Odisha	5769	0	123.1	48.9	-0.9	330	0.00
	West Bengal	8336	0	172.9	50.9	0.0	478	0.00
NER	Sikkim	98	0	1.6	1.6	0.0	16	0.00
	Arunachal Pradesh	147	0	2.7	2.5	-0.1	38	0.00
	Assam	2346	0	46.8	38.7	0.9	225	0.00
	Manipur	207	0	2.8	2.8	0.1	33	0.00
	Meghalaya	340	0	5.9	2.0	-0.2	42	0.00
	Mizoram	113	0	1.8	0.9	-0.2	13	0.00
	Nagaland	146	0	2.9	2.4	0.0	21	0.00
	Tripura	319	0	5.4	5.4	0.1	60	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	39.3	5.6	-25.3
Day Peak (MW)	1895.0	276.0	-1068.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	286.2	-197.9	20.8	-108.2	-0.9	0.0
Actual(MU)	277.7	-205.9	28.0	-98.4	-2.2	-0.8
O/D/U/D(MU)	-8.5	-8.0	7.2	9.8	-1.3	-0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3332	15196	5518	4080	444	28569	39
State Sector	9670	22798	9805	3065	130	45468	61
Total	13001	37994	15323	7145	574	74036	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	719	1046	511	527	17	2820	62
Lignite	29	1	52	0	0	82	2
Hydro	390	82	181	134	31	818	18
Nuclear	30	33	47	0	0	110	2
Gas, Naptha & Diesel	17	7	7	0	29	60	1
RES (Wind, Solar, Biomass & Others)	124	227	285	5	1	642	14
Total	1309	1397	1082	666	77	4532	100

Share of RES in total generation (%)	9.51	16.27	26.31	0.71	1.20	14.17
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.55	24.53	47.36	20.87	41.04	34.64

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.058
Based on State Max Demands	1.099

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: 25-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	701	0.0	17.4	-17.4	
2	HVDC	PUSAULI B/B	2	2	346	0.0	8.1	-8.1	
3	765 kV	GAYA-VARANASI	2	511	344	1.6	0.0	1.6	
4	765 kV	SASARAM-FATEHPUR	1	148	233	0.0	1.9	-1.9	
5	765 kV	GAYA-BALIA	1	0	660	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	1	20	248	0.0	4.6	-4.6	
7	400 kV	PUSAULI-ALLAHABAD	1	27	201	0.0	3.3	-3.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1001	0.0	15.4	-15.4	
9	400 kV	PATNA-BALIA	2	0	510	0.0	8.4	-8.4	
10	400 kV	NAUBATPUR-BALIA	2	0	532	0.0	8.5	-8.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	475	0.0	5.9	-5.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	480	0.0	7.1	-7.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	187	197	0.0	0.6	-0.6	
14	220 kV	SINPUR-BIKRAMNASHA	1	5	145	0.0	1.5	-1.5	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.4	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	11	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	2.0	92.6	-90.6
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1164	181	15.0	0.0	15.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1372	516	13.5	0.0	13.5	
3	765 kV	JHARSUGUDA-DURG	2	62	271	0.0	2.4	-2.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	89	501	0.0	4.2	-4.2	
5	400 kV	RANCHI-SIPAT	2	239	206	2.2	0.0	2.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	13	101	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	123	23	1.0	0.0	1.0	
						ER-WR	31.6	7.8	23.8
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	404	0	6.0	0.0	6.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1998	0.0	36.1	-36.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2920	0.0	44.5	-44.5	
4	400 kV	TALCHER-I/C	2	703	364	7.9	0.0	7.9	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	6.0	80.6	-74.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	84	323	0.0	3.0	-3.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	208	374	0.0	3.5	-3.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	108	0.0	1.6	-1.6	
						ER-NER	0.0	8.1	-8.1
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	2516	0.0	60.4	-60.4	
2	HVDC	VINDHYACHAL B/B	2	446	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	512	0.0	12.2	-12.2	
4	765 kV	GWALIOR-AGRA	2	25	2340	0.0	31.5	-31.5	
5	765 kV	GWALIOR-PHAGI	2	369	1279	0.0	13.3	-13.3	
6	765 kV	JABALPUR-ORAI	2	0	1128	0.0	28.8	-28.8	
7	765 kV	GWALIOR-ORAI	1	589	0	9.4	0.0	9.4	
8	765 kV	SATNA-ORAI	1	0	1013	0.0	19.1	-19.1	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	267	907	0.0	7.5	-7.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3353	0.0	57.3	-57.3	
11	400 kV	ZERDA-KANKROLI	1	156	97	0.8	0.0	0.8	
12	400 kV	ZERDA-BHINMAL	1	440	137	3.7	0.0	3.7	
13	400 kV	VINDHYACHAL-RIHAND	1	960	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHULIAPUR	2	358	491	0.0	0.6	-0.6	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	1.4	0.0	1.4	
17	220 kV	MEHGAON-AURAIYA	1	110	0	0.3	0.0	0.3	
18	220 kV	MALANPUR-AURAIYA	1	73	22	1.1	0.0	1.1	
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	50.9	230.8	-179.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	784	0	9.3	0.0	9.3	
2	HVDC	RAIGARH-PUGALUR	2	2872	1203	2.4	0.0	2.4	
3	765 kV	SOLAPUR-RAICHUR	2	801	1774	0.0	1.7	-1.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	3388	0.0	37.3	-37.3	
5	400 kV	KOLHAPUR-KUDCI	2	1633	0	27.2	0.0	27.2	
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	1	89	0.7	0.0	0.7	
						WR-SR	39.6	39.1	0.5
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)	589	0	541	13.0			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1054	0	977	23.5			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	239	0	218	5.2			
	NER	132KV GELEPHU-SALAKATI	-16	-2	-11	-0.3			
	NER	132KV MOTANGA-RANGIA	-44	-22	-35	-0.8			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-44	-1.1			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	346	182	275	6.6			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-912	-903	-904	-21.7			
	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-156	0	-149	-3.6			