



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: 30th 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 29.08.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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: 30-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)	63674	54006	41393	24865	3284	187222
Peak Shortage (MW)	3511	0	827	1792	0	6130
Energy Met (MU)	1537	1258	949	551	61	4357
Hydro Gen (MU)	369	135	188	151	33	876
Wind Gen (MU)	9	27	31	-	-	66
Solar Gen (MU)*	108.55	37.99	77.27	4.96	0.64	229
Energy Shortage (MU)	23.28	0.00	2.11	13.36	0.05	38.80
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69495	55865	44501	25543	3327	193077
Time Of Maximum Demand Met (From NLDC SCADA)	12:29	11:02	09:55	22:34	19:09	12:16

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	0.100	2.19	4.17	13.66	20.01	77.39	2.60

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	12914	0	294.3	174.9	-1.9	69	0.00
	Haryana	11480	0	235.5	174.1	1.0	210	7.34
	Rajasthan	12596	60	257.6	81.1	4.0	378	9.72
	Delli	6027	0	124.8	113.5	-1.5	150	0.00
	UP	23700	300	488.6	215.7	-0.5	552	3.80
	Uttarakhand	2059	0	46.1	20.9	1.1	198	0.64
	HP	1593	0	31.4	-5.9	0.7	94	1.48
	J&K(UT) & Ladakh(UT)	2687	100	52.2	27.4	0.8	235	0.30
	Chandigarh	346	0	6.8	6.8	0.0	47	0.00
	Chhattisgarh	4553	0	103.5	60.1	-0.6	226	0.00
WR	Gujarat	16550	0	357.8	219.2	2.8	843	0.00
	MP	9529	0	210.7	94.8	-3.8	288	0.00
	Maharashtra	24178	0	527.9	207.3	4.2	1412	0.00
	Goa	599	0	12.1	12.1	0.0	50	0.00
	DNHDDPDCL	1205	0	27.7	27.8	-0.1	35	0.00
SR	AMNSIL	832	0	18.6	11.4	-1.2	192	0.00
	Andhra Pradesh	8835	0	191.9	68.0	0.4	780	1.11
	Telangana	11839	0	209.3	80.6	-3.4	479	0.00
	Karnataka	9006	0	180.3	55.6	-0.8	719	1.00
	Kerala	3532	0	71.9	30.4	-1.4	300	0.00
	Tamil Nadu	13881	0	286.9	151.8	2.5	1479	0.00
	Puducherry	408	0	9.0	8.5	-0.2	27	0.00
ER	Bihar	6167	687	126.4	118.3	2.1	448	11.48
	DVC	3402	0	73.6	-30.3	0.9	273	0.00
	Jharkhand	1397	431	32.3	21.2	-0.2	237	1.88
	Odisha	6008	0	125.7	46.7	-1.0	410	0.00
	West Bengal	9404	0	191.6	59.1	-0.3	318	0.00
	Sikkim	102	0	1.6	1.5	0.1	28	0.00
NER	Arunachal Pradesh	131	0	2.2	2.5	-0.6	5	0.00
	Assam	2172	0	39.8	33.7	-0.6	178	0.00
	Manipur	201	40	2.7	2.7	-0.1	31	0.05
	Meghalaya	372	0	6.3	1.7	0.0	41	0.00
	Mizoram	114	0	1.7	0.8	-0.2	10	0.00
	Nagaland	160	0	2.7	2.3	0.1	13	0.00
	Tripura	324	0	5.9	5.5	0.2	99	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.4	9.3	-25.1
Day Peak (MW)	2080.0	385.4	-1062.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.5	-134.3	6.4	-147.8	-7.8	-0.1
Actual(MU)	268.6	-128.9	5.9	-139.1	-10.9	-4.5
O/D/U/D(MU)	-14.8	5.4	-0.6	8.7	-3.1	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3765	12731	6218	2120	773	25607	40
State Sector	8620	18443	8082	3280	162	38586	60
Total	12384	31174	14300	5400	935	64193	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	775	1167	532	570	17	3062	67
Lignite	28	8	55	0	0	90	2
Hvdro	371	135	188	151	33	879	19
Nuclear	33	40	42	0	0	115	3
Gas, Naptha & Diesel	19	5	7	0	28	60	1
RES (Wind, Solar, Biomass & Others)	136	66	150	5	1	357	8
Total	1361	1420	975	727	79	4562	100

Share of RES in total generation (%)	9.96	4.61	15.38	0.68	0.81	7.82
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.62	16.93	39.02	21.52	42.78	29.60

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.079

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: 30-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	16.0	-16.0
2	HVDC	PUSAULI B/B	5	0	346	0.0	8.4	-8.4
3	765 kV	GAYA-VARANASI	2	0	452	0.0	6.4	-6.4
4	765 kV	SASARAM-FATEHPUR	1	0	322	0.0	5.3	-5.3
5	765 kV	GAYA-BALIA	1	0	788	0.0	13.1	-13.1
6	400 kV	PUSAULI-VARANASI	1	0	212	0.0	4.4	-4.4
7	400 kV	PUSAULI-ALLAHABAD	1	0	204	0.0	3.8	-3.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1025	0.0	21.4	-21.4
9	400 kV	PATNA-BALIA	2	0	815	0.0	15.0	-15.0
10	400 kV	NAUBATPUR-BALIA	2	0	639	0.0	5.8	-5.8
11	400 kV	BIHARSHARIFF-BALIA	2	0	709	0.0	11.3	-11.3
12	400 kV	MOTIHARI-GORAKHPUR	2	0	210	0.0	10.4	-10.4
13	400 kV	BIHARSHARIFF-VARANASI	2	0	227	0.0	3.5	-3.5
14	220 kV	SAHUPUR-KARMANASA	1	0	147	0.0	2.7	-2.7
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
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						0.4	127.5	-127.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1417	0	16.1	0.0	16.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1452	255	14.1	0.0	14.1
3	765 kV	JHARSUGUDA-DURG	2	0	344	0.0	4.6	-4.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	453	0.0	6.6	-6.6
5	400 kV	RANCHI-SIPAT	2	255	159	1.0	0.0	1.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	131	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	56	54	0.1	0.0	0.1
ER-WR						31.3	12.6	18.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	338	0.0	7.6	-7.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1195	0.0	28.9	-28.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	3044	0.0	46.2	-46.2
4	400 kV	TALCHER-J/C	2	722	0	15.5	0.0	15.5
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						0.0	82.7	-82.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	157	263	0.0	0.2	-0.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	277	339	1.0	0.0	1.0
3	220 kV	ALIPURDUAR-SALAKATI	2	40	100	0.0	0.5	-0.5
ER-NER						1.0	0.7	0.3
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	3523	0.0	46.7	-46.7
2	HVDC	VINDHYACHAL-B/B	5	445	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHENDERGARH	2	0	311	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	100	1559	0.1	18.9	-18.8
5	765 kV	GWALIOR-PHAGI	2	0	1935	0.0	28.4	-28.4
6	765 kV	JABALPUR-ORAI	2	0	1189	0.0	33.3	-33.3
7	765 kV	GWALIOR-ORAI	1	655	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	1074	0.0	20.8	-20.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1286	0	17.8	0.0	17.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	3354	0.0	53.4	-53.4
11	400 kV	ZERDA-KANKROLI	1	286	0	3.9	0.0	3.9
12	400 kV	ZERDA-BHINMAL	1	496	25	6.2	0.0	6.2
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	22.1	0.0	22.1
14	400 kV	RAPP-SHULJIPUR	2	185	610	0.6	4.7	-4.1
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
17	220 kV	MEHGAON-AURAIYA	1	120	0	0.6	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	79	12	1.3	0.0	1.3
19	132 kV	GWALIOR-SAWAI MADHOPUR	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						76.6	215.6	-139.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	787	0	10.8	0.0	10.8
2	HVDC	RAIGARH-PUGALUR	2	2870	0	34.7	0.0	34.7
3	765 kV	SOJAPUR-RAICHUR	2	837	1860	2.8	7.8	-5.0
4	765 kV	WARDHA-NIZAMABAD	2	0	3286	0.0	39.3	-39.3
5	400 kV	KOLHAPUR-KUDCI	2	1364	0	25.5	0.0	25.5
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	XELDEM-AMBEWADI	1	0	101	2.0	0.0	2.0
WR-SR						75.9	47.0	28.8
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)		742	0	630	15.1	
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))		1081	0	1032	24.8	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)		218	0	191	4.6	
	NER	132KV GELEPHU-SALAKATI		20	3	12	0.3	
	NER	132KV MOTANGA-RANGIA		42	19	32	0.8	
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)		-42	0	-13	-0.3	
	ER	NEPAL IMPORT (FROM BIHAR)		6	0	-3	-0.1	
	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2		421	243	402	9.7	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)		-913	-906	-913	-21.9	
	NER	132KV COMILLA-SURAJMANNAGAR 1&2		-149	0	-132	-3.2	