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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 26th 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., डोंगतिएह, 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 25.08.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अगस्त-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 25th 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:** **26-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)	64848	50478	42708	23325	3343	184702
Peak Shortage (MW)	1850	179	0	2370	0	4399
Energy Met (MU)	1490	1174	1035	530	67	4296
Hydro Gen (MU)	390	91	188	139	29	837
Wind Gen (MU)	47	106	87	-	-	239
Solar Gen (MU)*	87.46	41.42	97.21	5.04	0.70	232
Energy Shortage (MU)	10.61	0.32	0.00	14.01	0.08	25.02
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66975	52060	49708	24379	3401	188841
Time Of Maximum Demand Met (From NLDC SCADA)	22:59	19:32	10:56	18:34	18:43	12:23

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	0.093	2.46	3.22	9.77	15.45	76.41	8.14

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	12743	0	292.1	173.2	-2.1	75	0.00
	Haryana	10775	0	230.5	161.9	1.1	276	3.82
	Rajasthan	10022	0	221.2	36.4	-4.2	405	0.46
	Delhi	5862	0	121.5	111.3	-2.3	83	0.00
	UP	23419	870	485.8	205.8	-0.1	498	4.78
	Uttarakhand	2212	0	49.0	22.8	0.6	115	0.64
	HP	1571	0	32.8	-4.5	0.7	116	0.00
	J&K(UT) & Ladakh(UT)	2450	190	49.7	26.2	-0.1	280	0.91
	Chandigarh	346	0	6.9	7.3	-0.3	26	0.00
WR	Chhattisgarh	4329	0	98.5	54.9	-0.3	430	0.00
	Gujarat	14898	0	311.8	203.0	-8.0	916	0.18
	MP	9380	0	201.4	96.4	0.0	664	0.00
	Maharashtra	22493	0	501.2	182.2	0.8	1131	0.00
	Goa	605	0	13.6	12.4	1.2	38	0.14
	DNHDDPDCL	1196	0	28.0	28.0	0.0	75	0.00
	AMNSIL	845	0	19.0	11.8	0.3	249	0.00
SR	Andhra Pradesh	10393	0	208.8	76.6	-0.2	586	0.00
	Telangana	12295	0	223.5	72.9	1.0	1158	0.00
	Karnataka	10744	0	204.2	66.4	-0.8	597	0.00
	Kerala	3473	0	70.5	26.8	-1.7	219	0.00
	Tamil Nadu	14307	0	319.1	161.0	-0.9	324	0.00
	Puducherry	405	0	9.1	8.6	-0.2	46	0.00
ER	Bihar	6275	0	123.8	120.3	1.5	641	10.82
	DVC	3487	0	74.4	-35.4	0.4	348	0.00
	Jharkhand	1403	126	30.3	19.7	-1.0	181	2.55
	Odisha	5819	0	121.7	41.0	0.1	513	0.65
	West Bengal	8898	0	178.4	52.3	1.4	730	0.00
	Sikkim	103	0	1.7	1.6	0.1	19	0.00
NER	Arunachal Pradesh	136	0	2.5	2.5	-0.3	22	0.00
	Assam	2283	0	45.5	39.4	0.5	146	0.08
	Manipur	199	0	2.7	2.8	0.0	24	0.00
	Meghalaya	312	0	6.0	2.0	0.0	44	0.00
	Mizoram	109	0	1.7	0.8	-0.1	3	0.00
	Nagaland	145	0	2.8	2.4	0.0	14	0.00
	Tripura	313	0	5.8	5.6	0.0	52	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.5	6.1	-25.1
Day Peak (MW)	1657.0	328.0	-1073.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	237.1	-149.6	29.9	-118.3	0.9	0.0
Actual(MU)	217.4	-140.6	27.3	-107.6	-0.8	-4.2
O/D/U/D(MU)	-19.7	9.0	-2.7	10.7	-1.7	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3872	14946	6218	2920	469	28425	39
State Sector	8570	21748	11220	3315	193	45045	61
Total	12442	36694	17438	6235	662	73470	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	736	1069	519	531	17	2872	65
Lignite	26	1	56	0	0	83	2
Hydro	392	91	188	139	29	840	19
Nuclear	30	35	47	0	0	112	3
Gas, Naptha & Diesel	19	8	7	0	28	62	1
RES (Wind, Solar, Biomass & Others)	152	148	233	5	1	480	11
Total	1297	1352	1050	676	75	4449	100

Share of RES in total generation (%)	11.71	10.96	22.20	0.74	0.94	10.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.73	20.28	44.60	21.37	39.64	32.18

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
Based on State Max Demands	1.082

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: 26-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	709	0.0	17.2	-17.2
2	HVDC	PUSAULI B/B	-	2	346	0.0	6.3	-6.3
3	765 kV	GAYA-VARANASI	2	323	338	0.0	1.0	-1.0
4	765 kV	SASARAM-FATEHPUR	1	12	307	0.0	3.5	-3.5
5	765 kV	GAYA-BALIA	1	0	626	0.0	9.8	-9.8
6	400 kV	PUSAULI-VARANASI	1	25	224	0.0	3.5	-3.5
7	400 kV	PUSAULI -ALLAHABAD	1	0	197	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	928	0.0	16.9	-16.9
9	400 kV	PATNA-BALIA	2	0	493	0.0	9.4	-9.4
10	400 kV	NAUBATPUR-BALIA	2	0	522	0.0	9.1	-9.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	431	0.0	6.2	-6.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	461	0.0	8.0	-8.0
13	400 kV	BIHARSHARIFF-VARANASI	2	97	208	0.0	1.9	-1.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	149	0.0	3.3	-3.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.8	-0.8
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	35	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	99.4	-99.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1343	0	18.0	0.0	18.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1357	404	13.5	0.0	13.5
3	765 kV	JHARSUGUDA-DURG	2	11	286	0.0	3.5	-3.5
4	400 kV	JHARSUGUDA-RAIGARH	4	52	370	0.0	3.7	-3.7
5	400 kV	RANCHI-SIPAT	2	251	166	2.3	0.0	2.3
6	220 kV	BUDHIPADAR-RAIGARH	1	7	111	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	99	35	0.8	0.0	0.8
					ER-WR	34.6	8.6	26.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	404	0	9.8	0.0	9.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	33.9	-33.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2723	0.0	50.2	-50.2
4	400 kV	TALCHER-I/C	2	710	154	11.0	0.0	11.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	9.8	84.1	-74.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	303	0.0	4.2	-4.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	62	357	0.0	4.5	-4.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	104	0.0	1.7	-1.7
					ER-NER	0.0	10.3	-10.3
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	2510	0.0	35.6	-35.6
2	HVDC	VINDHYACHAL B/B	-	444	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	510	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	1912	0.0	22.4	-22.4
5	765 kV	GWALIOR-PHAGI	2	247	1779	1.5	15.8	-14.3
6	765 kV	JABALPUR-ORAI	2	0	1110	0.0	29.7	-29.7
7	765 kV	GWALIOR-ORAI	1	534	0	8.0	0.0	8.0
8	765 kV	SATNA-ORAI	1	0	988	0.0	18.3	-18.3
9	765 kV	BANASKANTHA-CHITORGARH	2	995	251	9.7	0.0	9.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	3038	0.0	53.1	-53.1
11	400 kV	ZERDA-KANKROLI	1	298	0	4.4	0.0	4.4
12	400 kV	ZERDA -BHINMAL	1	674	0	10.1	0.0	10.1
13	400 kV	VINDHYACHAL -RIHAND	1	961	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	391	515	0.1	0.0	0.1
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.6	-1.6
17	220 kV	MEHGAON-AURAIYA	1	108	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	70	11	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	69.5	183.7	-114.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	787	0	16.8	0.0	16.8
2	HVDC	RAIGARH-PUGALUR	2	953	1000	0.9	0.0	0.9
3	765 kV	SOLAPUR-RAICHUR	2	1094	1462	0.0	3.1	-3.1
4	765 kV	WARDHA-NIZAMABAD	2	0	3181	0.0	41.9	-41.9
5	400 kV	KOLHAPUR-KUDGI	2	1606	0	26.5	0.0	26.5
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	1	100	0.4	0.0	0.4
					WR-SR	44.6	45.0	-0.4

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 MANGDECHU HEP 4*180MW)	562	0	516	12.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	878	0	826	19.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	208	0	181	4.3
	NER	132kV GELEPHU-SALAKATI	-17	-3	-13	-0.3
	NER	132kV MOTANGA-RANGIA	-47	-4	-31	-0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-47	-1.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	403	192	303	7.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-907	-897	-903	-21.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-166	0	-143	-3.4