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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 07th 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 06.08.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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:** **07-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)	63890	52529	39052	25711	3281	184463
Peak Shortage (MW)	650	0	0	336	0	986
Energy Met (MU)	1442	1224	876	566	64	4172
Hydro Gen (MU)	367	68	151	131	34	751
Wind Gen (MU)	4	48	246	-	-	298
Solar Gen (MU)*	94.82	38.11	82.74	4.18	0.67	221
Energy Shortage (MU)	5.30	0.00	0.00	4.17	0.00	9.47
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66747	52419	40063	27200	3337	184929
Time Of Maximum Demand Met (From NLDC SCADA)	21:52	19:50	07:43	00:01	19:31	20:04

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	0.037	0.00	1.15	5.15	6.30	74.61	19.10

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	12078	0	268.5	166.3	-1.2	113	0.00
	Haryana	9240	0	193.4	132.1	0.4	157	0.00
	Rajasthan	11264	0	245.6	71.5	0.8	365	2.01
	Delhi	5578	0	115.2	105.1	-1.7	142	0.00
	UP	24371	0	484.8	236.9	2.3	1015	2.76
	Uttarakhand	2048	70	45.1	23.9	0.9	150	0.53
	HP	1594	0	33.3	-7.9	-1.6	31	0.00
	J&K(UT) & Ladakh(UT)	2563	0	49.3	28.5	-4.9	89	0.00
	Chandigarh	313	0	6.4	6.6	-0.2	17	0.00
WR	Chhattisgarh	4947	0	113.5	71.1	-0.6	255	0.00
	Gujarat	15710	0	345.9	205.0	-2.0	723	0.00
	MP	10493	0	239.8	138.3	0.0	387	0.00
	Maharashtra	21095	0	465.5	171.4	-1.3	644	0.00
	Goa	601	0	12.4	12.3	0.0	44	0.00
	DNHDDPDCL	1198	0	27.8	27.7	0.1	81	0.00
	AMNSIL	861	0	19.0	11.8	-0.1	236	0.00
SR	Andhra Pradesh	8064	0	171.2	18.4	-1.6	836	0.00
	Telangana	10570	0	197.0	69.7	1.8	595	0.00
	Karnataka	7329	0	150.3	25.4	-3.1	478	0.00
	Kerala	3280	0	66.0	22.9	-1.4	246	0.00
	Tamil Nadu	13531	0	282.6	96.8	-11.0	552	0.00
	Puducherry	402	0	9.1	8.7	-0.3	25	0.00
ER	Bihar	6990	0	137.7	127.1	0.7	388	1.04
	DVC	3511	0	74.1	-37.4	-0.5	283	0.00
	Jharkhand	1760	0	33.8	27.8	-1.3	255	3.13
	Odisha	6135	0	127.5	58.1	0.7	467	0.00
	West Bengal	9481	0	191.2	74.9	-0.1	399	0.00
	Sikkim	89	0	1.4	1.6	-0.2	27	0.00
NER	Arunachal Pradesh	113	0	2.3	1.7	0.2	50	0.00
	Assam	2224	0	43.2	35.4	0.0	108	0.00
	Manipur	187	0	2.7	2.7	0.0	31	0.00
	Meghalaya	343	0	6.1	0.5	-0.1	87	0.00
	Mizoram	116	0	1.8	0.7	-0.1	24	0.00
	Nagaland	156	0	2.7	2.4	-0.1	14	0.00
	Tripura	313	0	5.5	5.7	0.5	110	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	42.6	8.2	-26.0
Day Peak (MW)	1987.0	331.4	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	272.5	-60.2	-94.9	-110.2	-7.2	0.0
Actual(MU)	258.9	-43.2	-116.4	-97.8	-8.4	-7.0
O/D/U/D(MU)	-13.5	17.0	-21.5	12.3	-1.2	-7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4507	15306	6828	1410	309	28359	40
State Sector	8940	17888	13015	2750	130	42723	60
Total	13447	33194	19843	4160	439	71082	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	698	1089	395	561	15	2759	63
Lignite	32	11	57	0	0	99	2
Hydro	369	68	151	131	34	754	17
Nuclear	29	32	47	0	0	109	2
Gas, Naptha & Diesel	16	4	9	0	29	58	1
RES (Wind, Solar, Biomass & Others)	119	87	370	4	1	581	13
Total	1264	1291	1028	696	80	4359	100

Share of RES in total generation (%)	9.44	6.73	35.96	0.61	0.84	13.32
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.00	14.49	55.19	19.44	43.97	33.11

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.074

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: 07-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	16.3	-16.3
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3
3	765 kV	GAYA-VARANASI	2	519	420	0.6	0.0	0.6
4	765 kV	SASARAM-FATEHPUR	1	76	342	0.0	3.5	-3.5
5	765 kV	GAYA-BALIA	1	0	735	0.0	11.6	-11.6
6	400 kV	PUSAULI-VARANASI	1	43	35	0.0	0.0	0.0
7	400 kV	PUSAULI -ALLAHABAD	1	0	101	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1146	0.0	21.2	-21.2
9	400 kV	PATNA-BALIA	2	0	640	0.0	11.6	-11.6
10	400 kV	NAUBATPUR-BALIA	2	0	683	0.0	12.1	-12.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	612	0.0	8.6	-8.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	554	0.0	9.3	-9.3
13	400 kV	BIHARSHARIFF-VARANASI	2	107	297	0.0	2.1	-2.1
14	220 kV	SAHUPURI-KARAMNASA	1	0	178	0.0	2.6	-2.6
15	132 kV	NAGAR UNTARI-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	49	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	1.0	101.3	-100.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	3.0	0.0	3.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1812	0	26.3	0.0	26.3
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.2	-2.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	8.4	-8.4
5	400 kV	RANCHI-SIPAT	2	372	86	4.0	0.0	4.0
6	220 kV	BUDHIPADAR-RAIGARH	1	1	147	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	23	107	0.0	1.0	-1.0
					ER-WR	33.4	13.0	20.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	688	0	15.2	0.0	15.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1239	0.0	28.7	-28.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2595	0.0	39.1	-39.1
4	400 kV	TALCHER-I/C	2	594	131	8.3	0.0	8.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	15.2	67.8	-52.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	108	163	0.3	1.5	-1.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	189	222	0.0	0.8	-0.8
3	220 kV	ALIPURDUAR-SALAKATI	2	21	53	0.0	0.5	-0.5
					ER-NER	0.3	2.7	-2.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.2	-12.2
					NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3002	0.0	39.1	-39.1
2	HVDC	VINDHYACHAL B/B	-	443	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	311	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	2197	0.0	32.3	-32.3
5	765 kV	GWALIOR-PHAGI	2	0	1727	0.0	23.2	-23.2
6	765 kV	JABALPUR-ORAI	2	0	1138	0.0	34.1	-34.1
7	765 kV	GWALIOR-ORAI	1	622	0	11.2	0.0	11.2
8	765 kV	SATNA-ORAI	1	0	1073	0.0	20.6	-20.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1356	0	19.7	0.0	19.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	3562	0.0	67.3	-67.3
11	400 kV	ZERDA-KANKROLI	1	239	0	3.3	0.0	3.3
12	400 kV	ZERDA -BHINMAL	1	484	13	5.6	0.0	5.6
13	400 kV	VINDHYACHAL -RIHAND	1	960	0	20.5	0.0	20.5
14	400 kV	RAPP-SHUJALPUR	2	222	391	1.1	2.7	-1.6
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1
17	220 kV	MEHGAON-AURAIYA	1	110	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	68	3	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	75.4	228.6	-153.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	984	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	2888	0	64.5	0.0	64.5
3	765 kV	SOLAPUR-RAICHUR	2	2489	494	27.5	0.3	27.2
4	765 kV	WARDHA-NIZAMABAD	2	182	2009	0.1	20.9	-20.8
5	400 kV	KOLHAPUR-KUDGI	2	1837	0	34.5	0.0	34.5
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	98	1.7	0.0	1.7
					WR-SR	152.4	21.3	131.1

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)	730	0	643	15.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1066	0	1021	24.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	186	0	158	3.8
	NER	132kV GELEPHU-SALAKATI	25	8	13	0.3
	NER	132kV MOTANGA-RANGIA	46	0	33	0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-57	0	-21	-0.5
	ER	NEPAL IMPORT (FROM BIHAR)	-28	0	-2	-0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	416	242	364	8.7
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-934	-928	-930	-22.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-168	0	-154	-3.7