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: 08th 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 07.08.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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:** **08-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)	57393	49285	35402	24913	3242	170235
Peak Shortage (MW)	185	0	0	241	0	426
Energy Met (MU)	1353	1159	846	551	64	3972
Hydro Gen (MU)	369	66	152	135	31	754
Wind Gen (MU)	3	53	255	-	-	311
Solar Gen (MU)*	84.78	36.83	76.32	4.03	0.65	203
Energy Shortage (MU)	0.42	0.00	0.00	5.39	0.00	5.81
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65700	48820	37603	26429	3265	175854
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	00:01	09:11	23:25	20:05	00:00

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	0.038	0.00	0.15	5.09	5.24	76.53	18.23

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	11817	0	270.4	174.8	-0.3	165	0.00
	Haryana	8784	0	177.4	123.1	0.2	252	0.00
	Rajasthan	11682	0	248.3	80.9	1.9	330	0.00
	Delhi	5421	0	104.9	95.2	-2.1	88	0.00
	UP	23149	0	423.6	213.5	-0.8	434	0.00
	Uttarakhand	1894	0	40.9	22.8	0.3	139	0.42
	HP	1503	0	31.4	-9.4	-0.9	95	0.00
	J&K(UT) & Ladakh(UT)	2558	0	50.2	28.8	-4.3	132	0.00
	Chandigarh	292	0	5.7	6.0	-0.3	41	0.00
WR	Chhattisgarh	4491	0	105.3	65.8	-0.3	446	0.00
	Gujarat	14454	0	328.7	192.9	0.1	893	0.00
	MP	9966	0	225.1	129.0	0.0	521	0.00
	Maharashtra	19563	0	442.9	151.8	-3.1	742	0.00
	Goa	543	0	11.1	11.4	-0.3	36	0.00
	DNHDDPDCL	1145	0	26.5	26.5	0.0	47	0.00
	AMNSIL	874	0	19.4	12.3	0.3	266	0.00
SR	Andhra Pradesh	7568	0	168.4	9.5	-3.7	442	0.00
	Telangana	9404	0	181.3	71.5	1.6	708	0.00
	Karnataka	6880	0	156.6	18.9	-4.9	605	0.00
	Kerala	2997	0	61.6	18.5	-1.0	270	0.00
	Tamil Nadu	12016	0	269.3	94.2	-13.6	346	0.00
	Puducherry	360	0	8.5	8.1	-0.3	38	0.00
ER	Bihar	6888	388	136.0	126.3	-0.4	390	3.05
	DVC	3443	0	73.6	-34.3	-0.6	230	0.00
	Jharkhand	1779	0	33.6	27.4	-1.2	242	2.35
	Odisha	5916	0	127.3	66.1	0.9	473	0.00
	West Bengal	9039	0	179.0	60.8	0.1	425	0.00
	Sikkim	70	0	1.1	2.1	-1.0	15	0.00
NER	Arunachal Pradesh	135	0	2.2	1.8	0.0	47	0.00
	Assam	2221	0	43.1	34.6	0.0	109	0.00
	Manipur	179	0	2.7	2.7	0.0	6	0.00
	Meghalaya	299	0	5.8	2.7	-0.2	27	0.00
	Mizoram	109	0	1.8	0.6	0.1	6	0.00
	Nagaland	139	0	2.7	2.5	-0.2	9	0.00
	Tripura	308	0	5.5	6.0	0.0	31	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.4	7.0	-26.2
Day Peak (MW)	1992.0	299.0	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	253.5	-79.5	-81.5	-87.7	-4.8	0.0
Actual(MU)	246.8	-48.7	-122.3	-78.7	-6.2	-9.0
O/D/U/D(MU)	-6.7	30.9	-40.8	9.0	-1.4	-9.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4507	15766	7538	2730	309	30849	41
State Sector	9850	18683	14065	2540	109	45247	59
Total	14357	34449	21603	5270	418	76096	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	634	1021	349	527	14	2545	61
Lignite	33	11	55	0	0	100	2
Hydro	371	66	152	135	31	756	18
Nuclear	29	32	47	0	0	108	3
Gas, Naptha & Diesel	16	6	9	0	31	61	1
RES (Wind, Solar, Biomass & Others)	108	91	369	4	1	573	14
Total	1191	1227	981	667	77	4143	100

Share of RES in total generation (%)	9.09	7.43	37.58	0.60	0.84	13.82
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.69	15.44	57.88	20.90	41.36	34.68

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.068

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: 08-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	17.3	-17.3
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2
3	765 kV	GAYA-VARANASI	2	637	334	2.1	0.0	2.1
4	765 kV	SASARAM-FATEHPUR	1	160	304	0.0	2.9	-2.9
5	765 kV	GAYA-BALIA	1	0	735	0.0	12.0	-12.0
6	400 kV	PUSAULI-VARANASI	1	39	57	0.0	0.1	-0.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	98	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1118	0.0	18.5	-18.5
9	400 kV	PATNA-BALIA	2	0	608	0.0	8.2	-8.2
10	400 kV	NAUBATPUR-BALIA	2	0	643	0.0	8.6	-8.6
11	400 kV	BIHARSHARIFF-BALIA	2	0	592	0.0	9.0	-9.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	522	0.0	7.0	-7.0
13	400 kV	BIHARSHARIFF-VARANASI	2	156	259	0.0	1.9	-1.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	166	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	0.3	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	2.4	90.1	-87.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	2.5	0.0	2.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1658	0	27.7	0.0	27.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	1.8	-1.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.9	-7.9
5	400 kV	RANCHI-SIPAT	2	293	24	5.3	0.0	5.3
6	220 kV	BUDHIPADAR-RAIGARH	1	1	89	0.0	0.5	-0.5
7	220 kV	BUDHIPADAR-KORBA	2	39	85	0.0	0.5	-0.5
					ER-WR	35.5	10.7	24.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	762	0	16.9	0.0	16.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1633	0.0	27.6	-27.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2225	0.0	35.9	-35.9
4	400 kV	TALCHER-I/C	2	909	183	8.0	0.0	8.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	16.9	63.5	-46.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	94	189	0.2	2.1	-1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	163	255	0.0	2.2	-2.2
3	220 kV	ALIPURDUAR-SALAKATI	2	19	61	0.0	0.7	-0.7
					ER-NER	0.2	5.0	-4.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2010	0.0	33.7	-33.7
2	HVDC	VINDHYACHAL B/B	-	445	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1016	0.0	9.5	-9.5
4	765 kV	GWALIOR-AGRA	2	0	2148	0.0	32.3	-32.3
5	765 kV	GWALIOR-PHAGI	2	143	1685	0.1	24.8	-24.7
6	765 kV	JABALPUR-ORAI	2	0	1119	0.0	30.8	-30.8
7	765 kV	GWALIOR-ORAI	1	775	0	12.9	0.0	12.9
8	765 kV	SATNA-ORAI	1	0	1069	0.0	18.0	-18.0
9	765 kV	BANASKANTHA-CHITORGARH	2	1116	0	15.3	0.0	15.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	3543	0.0	66.6	-66.6
11	400 kV	ZERDA-KANKROLI	1	222	10	2.4	0.0	2.4
12	400 kV	ZERDA -BHINMAL	1	447	25	4.5	0.0	4.5
13	400 kV	VINDHYACHAL -RIHAND	1	966	0	19.6	0.0	19.6
14	400 kV	RAPP-SHUJALPUR	2	0	191	0.0	4.6	-4.6
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.5	-2.5
17	220 kV	MEHGAON-AURAIYA	1	97	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	56	5	1.1	0.0	1.1
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	68.5	222.7	-154.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	984	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	2891	0	65.6	0.0	65.6
3	765 kV	SOLAPUR-RAICHUR	2	2228	16	25.9	0.0	25.9
4	765 kV	WARDHA-NIZAMABAD	2	0	1813	0.0	19.9	-19.9
5	400 kV	KOLHAPUR-KUDGI	2	1776	0	33.3	0.0	33.3
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	100	1.8	0.0	1.8
					WR-SR	150.6	19.9	130.7

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)	711	0	682	16.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1066	0	1020	24.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	183	0	157	3.8
	NER	132kV GELEPHU-SALAKATI	18	9	14	0.3
	NER	132kV MOTANGA-RANGIA	44	26	36	0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-28	-0.7
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	374	177	321	7.7
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-934	-927	-928	-22.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-170	0	-165	-4.0