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:28th August 2021

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 27.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-अगस्त-2021 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 27th August 2021, 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:** **28-Aug-2021**

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)	58041	54108	41262	22516	2755	178682
Peak Shortage (MW)	5733	334	0	747	193	7007
Energy Met (MU)	1435	1318	978	487	55	4272
Hydro Gen (MU)	328	76	149	145	32	731
Wind Gen (MU)	36	92	125	-	-	252
Solar Gen (MU)*	58.79	34.32	78.92	4.20	0.11	176
Energy Shortage (MU)	58.71	4.00	0.00	2.28	0.63	65.62
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65287	57714	48687	22521	2920	191567
Time Of Maximum Demand Met (From NLDC SCADA)	12:18	10:29	10:55	20:02	18:21	10:55

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	0.104	1.55	4.46	20.45	26.46	68.56	4.99

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	12096	0	270.3	156.6	-1.9	32	0.00
	Haryana	10548	0	225.3	168.8	-1.5	186	1.17
	Rajasthan	13424	2264	276.4	112.1	5.1	494	30.87
	Delhi	5711	0	117.9	98.3	-2.1	129	0.00
	UP	19949	0	417.0	168.9	0.0	714	17.90
	Uttarakhand	1784	150	37.4	11.8	2.8	369	5.32
	HP	1569	0	34.9	-3.7	1.2	205	0.00
	J&K(UT) & Ladakh(UT)	2388	100	48.5	24.3	-0.3	266	3.45
	Chandigarh	343	0	6.9	6.7	0.2	38	0.00
WR	Chhattisgarh	4869	0	113.9	64.0	2.1	476	4.00
	Gujarat	19336	0	421.6	176.4	4.1	1203	0.00
	MP	10399	0	233.0	135.6	9.0	1338	0.00
	Maharashtra	22197	0	491.6	148.0	5.1	742	0.00
	Goa	587	0	12.5	11.7	0.2	54	0.00
	DD	339	0	7.6	7.1	0.5	76	0.00
	DNH	846	0	19.8	20.0	-0.2	37	0.00
	AMNSIL	781	0	17.8	7.7	0.0	261	0.00
SR	Andhra Pradesh	9120	0	187.6	93.8	-3.9	620	0.00
	Telangana	10184	0	203.8	58.2	0.4	633	0.00
	Karnataka	10304	0	191.0	8.4	-1.5	514	0.00
	Kerala	3421	0	70.5	39.0	-0.8	289	0.00
	Tamil Nadu	14623	0	317.6	131.3	-2.8	1075	0.00
	Puducherry	372	0	7.7	8.3	-0.6	51	0.00
ER	Bihar	5710	0	109.7	102.1	1.4	386	1.50
	DVC	3135	0	65.5	-31.6	0.2	304	0.00
	Jharkhand	1392	0	28.4	23.2	-1.7	212	0.78
	Odisha	5447	0	118.0	36.7	-0.6	373	0.00
	West Bengal	8080	0	163.6	48.6	-0.8	285	0.00
	Sikkim	84	0	1.4	1.3	0.1	20	0.00
NER	Arunachal Pradesh	122	0	2.3	2.5	-0.2	41	0.00
	Assam	1840	122	34.3	28.1	0.7	139	0.60
	Manipur	197	0	2.6	2.5	0.1	27	0.00
	Meghalaya	324	0	6.1	1.4	-0.5	62	0.00
	Mizoram	103	0	1.6	1.2	0.0	24	0.00
	Nagaland	124	0	2.3	2.3	0.1	22	0.00
	Tripura	296	0	5.3	5.4	-0.1	58	0.03

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.8	3.7	-19.9
Day Peak (MW)	2277.0	297.8	-853.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	328.8	-189.7	-11.8	-123.6	-3.7	0.0
Actual(MU)	318.4	-177.5	-23.5	-121.3	-5.4	-9.4
O/D/U/D(MU)	-10.4	12.2	-11.7	2.3	-1.8	-9.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5724	14958	9092	2515	1059	33347	45
State Sector	10555	18113	7675	4775	11	41129	55
Total	16279	33071	16767	7290	1070	74476	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	605	1181	556	487	6	2835	65
Lignite	23	11	35	0	0	68	2
Hydro	328	76	149	145	32	731	17
Nuclear	21	33	38	0	0	92	2
Gas, Naptha & Diesel	42	80	10	0	27	159	4
RES (Wind, Solar, Biomass & Others)	111	126	235	4	0	477	11
Total	1130	1507	1023	636	65	4362	100

Share of RES in total generation (%)	9.85	8.39	22.98	0.66	0.17	10.94
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.78	15.60	41.22	23.50	49.66	29.80

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.055

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: 28-Aug-2021

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	1402	0.0	32.4	-32.4
2	HVDC	PUSAULI B/B	-	0	247	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	6	345	0.0	4.1	-4.1
4	765 kV	SASARAM-FATEHPUR	1	3	219	0.0	2.7	-2.7
5	765 kV	GAYA-BALIA	1	0	516	0.0	9.2	-9.2
6	400 kV	PUSAULI-VARANASI	1	0	163	0.0	2.8	-2.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	163	0.0	3.2	-3.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	721	0.0	11.8	-11.8
9	400 kV	PATNA-BALIA	4	0	922	0.0	18.5	-18.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	301	0.0	5.0	-5.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	436	0.0	7.8	-7.8
12	400 kV	BIHARSHARIFF-VARANASI	2	22	131	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	1	51	63	0.0	0.7	-0.7
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.6	105.8	-105.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	691	532	3.0	0.0	3.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1108	0	16.6	0.0	16.6
3	765 kV	JHARSUGUDA-DURG	2	168	8	2.5	0.0	2.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	480	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	258	31	2.8	0.0	2.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	178	0.0	3.0	-3.0
7	220 kV	BUDHIPADAR-KORBA	2	4	70	0.0	0.8	-0.8
					ER-WR	24.9	10.1	14.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	291	0.0	6.2	-6.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1191	0.0	28.9	-28.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2200	0.0	34.0	-34.0
4	400 kV	TALCHER-I/C	2	653	0	13.4	0.0	13.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	69.1	-69.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	419	0.0	4.9	-4.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	111	462	0.0	2.3	-2.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	128	0.0	1.4	-1.4
					ER-NER	0.0	8.5	-8.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	655	0.0	15.6	-15.6
					NER-NR	0.0	15.6	-15.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2017	0.0	43.7	-43.7
2	HVDC	VINDHYACHAL B/B	-	47	0	1.2	0.0	1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	297	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	2121	0.0	36.9	-36.9
5	765 kV	GWALIOR-PHAGI	2	0	2217	0.0	43.4	-43.4
6	765 kV	JABALPUR-ORAI	2	0	1180	0.0	42.9	-42.9
7	765 kV	GWALIOR-ORAI	1	817	0	15.7	0.0	15.7
8	765 kV	SATNA-ORAI	1	0	1046	0.0	22.0	-22.0
9	765 kV	BANASKANTHA-CHITORGARH	2	944	152	7.0	0.2	6.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	3032	0.0	57.0	-57.0
11	400 kV	ZERDA-KANKROLI	1	251	0	2.7	0.0	2.7
12	400 kV	ZERDA -BHINMAL	1	426	146	5.2	0.0	5.2
13	400 kV	VINDHYACHAL -RIHAND	1	969	0	22.3	0.0	22.3
14	400 kV	RAPP-SHUJALPUR	2	0	716	0.0	11.2	-11.2
15	220 kV	BHANPURA-RANPUR	1	0	110	1.9	0.0	1.9
16	220 kV	BHANPURA-MORAK	1	0	30	1.4	0.0	1.4
17	220 kV	MEHGAON-AURAIYA	1	142	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	103	0	2.1	0.0	2.1
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	60.8	264.7	-203.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	496	0	12.1	0.0	12.1
2	HVDC	RAIGARH-PUGALUR	2	972	0	23.3	0.0	23.3
3	765 kV	SOLAPUR-RAICHUR	2	1532	789	12.1	0.0	12.1
4	765 kV	WARDHA-NIZAMABAD	2	0	2031	0.0	22.3	-22.3
5	400 kV	KOLHAPUR-KUDGI	2	1412	0	21.8	0.0	21.8
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	92	1.6	0.0	1.6
					WR-SR	71.0	22.3	48.7

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)	836	0	782	18.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1032	0	994	23.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	321	0	273	6.5
	NER	132kV GELEPHU-SALAKATI	33	20	28	0.7
	NER	132kV MOTANGA-RANGIA	56	9	40	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	129	0	20	0.5
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	206	68	139	3.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-713	-707	-708	-17.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-140	0	-123	-3.0