



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: 11th 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., 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 10.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-अगस्त-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 10th 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: 11-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)	62424	54666	43514	23480	2974	187058
Peak Shortage (MW)	200	0	20	154	0	374
Energy Met (MU)	1383	1304	1079	503	57	4326
Hydro Gen (MU)	382	32	179	113	29	735
Wind Gen (MU)	54	91	154	-	-	299
Solar Gen (MU)*	54.99	27.98	86.30	4.89	-	174
Energy Shortage (MU)	3.45	0.00	0.04	0.61	0.00	4.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	64927	57228	51451	23555	2994	190442
Time Of Maximum Demand Met (From NLDC SCADA)	22:20	10:35	11:55	20:40	19:02	11:55

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	0.017	0.00	0.00	2.00	2.00	85.87	12.13

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	12275	0	274.9	158.8	-0.6	125	0.00	
	Haryana	9852	0	207.4	163.8	1.7	258	0.00	
	Rajasthan	11509	0	255.2	42.0	-0.4	345	0.00	
	Delhi	5546	0	111.7	101.7	-1.5	113	0.00	
	UP	21396	100	404.5	179.9	-2.0	402	0.00	
	Uttarakhand	2027	0	44.9	16.6	0.2	115	0.00	
	HP	1558	0	31.1	-6.7	-2.7	115	0.00	
	J&K(UT) & Ladakh(UT)	2254	250	46.5	22.0	-0.9	427	3.45	
WR	Chandigarh	335	0	6.4	6.6	-0.2	8	0.00	
	Chhattisgarh	4728	0	110.8	54.8	-1.7	259	0.00	
	Gujarat	18676	0	410.9	192.8	-0.3	357	0.00	
	MP	8901	0	193.0	108.7	-1.9	439	0.00	
	Maharashtra	24428	0	531.5	165.0	3.2	996	0.00	
	Goa	602	0	12.6	11.8	0.2	34	0.00	
	DD	332	0	7.5	7.0	0.5	116	0.00	
	DNH	846	0	19.8	19.6	0.2	50	0.00	
SR	AMNSIL	843	0	18.0	8.2	0.0	283	0.00	
	Andhra Pradesh	9342	0	201.5	63.6	-0.5	472	0.00	
	Telangana	12507	0	249.0	100.1	-0.4	786	0.00	
	Karnataka	11023	0	204.6	23.2	-1.5	702	0.00	
	Kerala	3404	0	70.7	28.6	-1.5	211	0.00	
	Tamil Nadu	15548	0	343.9	125.2	-0.4	722	0.00	
	Puducherry	415	20	9.1	9.2	-0.2	35	0.04	
	ER	Bihar	6201	0	119.3	110.6	0.7	458	0.00
DVC		3074	0	61.9	-38.5	0.0	328	0.00	
Jharkhand		1545	150	29.2	24.0	-0.8	458	0.61	
Odisha		5113	0	110.1	35.2	-0.1	216	0.00	
West Bengal		8888	0	181.6	56.3	1.1	435	0.00	
Sikkim		87	0	1.4	1.3	0.0	14	0.00	
NER		Arumachal Pradesh	138	0	2.3	2.3	0.1	36	0.00
		Assam	1935	0	37.4	30.2	-0.1	127	0.00
	Manipur	198	0	2.6	2.6	0.0	34	0.00	
	Meghalaya	320	0	5.6	0.6	-0.1	42	0.00	
	Mizoram	103	0	1.5	1.3	0.0	19	0.00	
	Nagaland	155	0	2.5	2.4	-0.1	53	0.00	
	Tripura	277	0	4.9	5.5	-0.1	67	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	20.1	-0.8	-17.5
Day Peak (MW)	962.0	-206.4	-863.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	233.4	-140.5	12.6	-99.6	-5.9	0.0
Actual(MU)	211.5	-140.8	12.7	-82.6	-6.3	-5.4
OD/UD(MU)	-21.8	-0.3	0.1	17.0	-0.4	-5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5312	16918	8732	700	409	32070	49
State Sector	7455	15505	6935	3933	11	33839	51
Total	12767	32423	15667	4633	420	65909	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	619	1239	532	495	12	2898	65
Lignite	27	11	44	0	0	82	2
Hydro	382	32	179	113	29	735	17
Nuclear	22	32	42	0	0	97	2
Gas, Naptha & Diesel	20	29	10	0	28	88	2
RES (Wind, Solar, Biomass & Others)	130	120	277	5	0	532	12
Total	1200	1464	1084	614	69	4430	100

Share of RES in total generation (%)	10.82	8.20	25.54	0.81	0.26	12.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.50	12.62	45.92	19.25	41.79	30.77

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.051
Based on State Max Demands	1.084

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: 11-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	1001	0.0	24.3	-24.3	
2	HVDC	PUSAULI-B/B	-	0	247	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	2	341	215	2.8	0.0	2.8	
4	765 kV	SASARAM-EATEHPUR	1	77	203	0.0	1.7	-1.7	
5	765 kV	GAYA-BALIA	1	0	419	0.0	6.6	-6.6	
6	400 kV	PUSAULI-VARANASI	1	0	175	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	123	0.0	2.2	-2.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	4	390	0.0	5.8	-5.8	
9	400 kV	PATNA-BALIA	4	0	651	0.0	8.9	-8.9	
10	400 kV	BIHARSHARIFF-BALIA	2	68	106	0.2	0.0	0.2	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	270	0.0	4.0	-4.0	
12	400 kV	BIHARSHARIFF-VARANASI	2	171	48	2.3	0.0	2.3	
13	220 kV	PUSAULI-SAHUPURI	1	64	91	0.0	0.7	-0.7	
14	132 kV	SONENAGAR-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	3	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	5.9	63.9	-58.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	890	435	6.5	0.0	6.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1399	0	21.8	0.0	21.8	
3	765 kV	JHARSUGUDA-DURG	2	139	178	0.2	0.0	0.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	506	0.0	5.5	-5.5	
5	400 kV	RANCHI-SIPAT	2	328	83	4.3	0.0	4.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	153	0.0	2.1	-2.1	
7	220 kV	BUDHIPADAR-KORBA	2	130	1	1.8	0.0	1.8	
						ER-WR	34.5	7.6	27.0
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	501	0.0	11.1	-11.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1639	0.0	33.1	-33.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2920	0.0	40.2	-40.2	
4	400 kV	TALCHER-J/C	2	423	324	0.2	0.0	0.2	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	84.4	-84.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	8	242	0.0	3.3	-3.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	110	247	0.0	0.8	-0.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	79	0.0	0.9	-0.9	
						ER-NER	0.0	5.0	-5.0
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	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	3526	0.0	36.5	-36.5	
2	HVDC	VINDHYACHAL B/B	-	0	52	0.0	1.2	-1.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	980	0.0	16.9	-16.9	
4	765 kV	GWALIOR-AGRA	2	11	1861	0.0	32.8	-32.8	
5	765 kV	GWALIOR-PHAGI	2	0	1532	0.0	28.6	-28.6	
6	765 kV	JABALPUR-ORAI	2	0	960	0.0	36.0	-36.0	
7	765 kV	GWALIOR-ORAI	1	755	0	14.7	0.0	14.7	
8	765 kV	SATNA-ORAI	1	0	840	0.0	17.6	-17.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	1756	0	23.6	0.0	23.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3253	0.0	55.4	-55.4	
11	400 kV	ZERDA-KANKROLI	1	409	0	6.6	0.0	6.6	
12	400 kV	ZERDA-BHINMAL	1	738	0	11.7	0.0	11.7	
13	400 kV	VINDHYACHAL-RIHAND	1	965	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHUJALPUR	2	66	423	0.1	4.3	-4.2	
15	220 kV	BHANPURA-RANPUR	1	0	94	0.0	1.2	-1.2	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7	
17	220 kV	MEHGAON-AURAIYA	1	113	0	0.4	0.0	0.4	
18	220 kV	MALANPUR-AURAIYA	1	85	13	1.0	0.0	1.0	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	80.0	231.2	-151.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	300	0	7.7	0.0	7.7	
2	HVDC	RAIGARH-PUGALUR	2	967	0	15.7	0.0	15.7	
3	765 kV	SOLAPUR-RAICHUR	2	1586	1438	19.1	0.0	19.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2930	0.0	28.7	-28.7	
5	400 kV	KOLHAPUR-KUDGI	2	1175	0	21.8	0.0	21.8	
6	220 kV	KOLHAPUR-CHISGODI	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	77	1.5	0.0	1.5	
						WR-SR	65.7	28.7	37.0

INTERNATIONAL EXCHANGES			Import(+ve)/Export(-ve) Energy Exchange (MU)			
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 MANGDECHHU HEP 4*180MW)	631	0	584	14.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	0	0	0	0.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	244	0	191	4.6
	NER	132kV GELEPHU-SALAKATI	21	11	17	0.4
	NER	132kV MOTANGA-RANGIA	64	32	46	1.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-67	0	-27	-0.6
	ER	NEPAL IMPORT (FROM BIHAR)	-86	-1	-12	-0.3
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-53	0	5	0.1
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-710	-453	-594	-14.3
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-153	0	-134	-3.2