



**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:30<sup>th</sup> 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 29.08.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29<sup>th</sup> 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: 30-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)	61045	51912	35893	21402	2741	172993
Peak Shortage (MW)	200	0	0	0	1	201
Energy Met (MU)	1431	1256	827	464	54	4032
Hydro Gen (MU)	336	46	97	148	32	658
Wind Gen (MU)	5	41	162	-	-	207
Solar Gen (MU)*	53.63	31.70	64.45	4.32	0.16	154
Energy Shortage (MU)	5.79	18.50	0.00	0.00	0.00	24.29
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63131	53424	38892	21821	2799	173830
Time Of Maximum Demand Met (From NLDC SCADA)	00:16	14:32	09:36	00:08	19:09	10:41

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	0.019	0.00	0.03	0.87	0.90	78.90	20.19

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	11836	0	270.4	160.8	-2.3	39	0.00
	Haryana	9715	0	214.1	154.6	0.2	222	0.00
	Rajasthan	14473	0	299.5	142.9	1.8	525	2.34
	Delhi	5325	0	109.2	86.3	-2.0	91	0.00
	UP	20378	0	418.3	194.3	-2.9	152	0.00
	Uttarakhand	1699	0	37.4	10.8	0.3	130	0.00
	HP	1398	0	30.7	-5.1	0.0	107	0.00
	J&K(UT) & Ladakh(UT)	2356	250	46.7	21.8	0.9	231	3.45
WR	Chhattisgarh	243	0	5.3	5.9	-0.6	1	0.00
	Gujarat	4523	0	107.8	57.7	-0.4	200	0.00
	Maharashtra	17530	0	396.3	194.9	3.1	803	0.00
	MP	9542	1177	216.5	142.4	0.1	524	18.50
	Goa	21203	0	477.7	161.9	1.4	829	0.00
	DD	544	0	11.2	10.3	0.3	50	0.00
	DNH	309	0	7.1	6.8	0.3	87	0.00
	AMNSIL	830	0	19.5	19.3	0.2	57	0.00
SR	Andhra Pradesh	877	0	19.8	3.7	0.3	323	0.00
	Telangana	8027	0	172.0	65.5	-1.3	472	0.00
	Karnataka	8183	0	164.6	25.1	-2.1	372	0.00
	Kerala	8043	0	154.7	30.0	-3.5	544	0.00
	Tamil Nadu	2899	0	59.2	32.5	-0.6	235	0.00
	Puducherry	11967	0	269.4	87.8	-1.6	719	0.00
	Bihar	331	0	7.3	7.7	-0.4	62	0.00
	ER	Bihar	5405	0	104.5	99.2	-1.1	278
DVC		3135	0	65.3	-32.6	0.2	299	0.00
Jharkhand		1429	0	28.3	23.0	-0.9	190	0.00
Odisha		4882	0	107.2	22.9	-1.4	265	0.00
West Bengal		7973	0	157.3	46.1	-1.5	559	0.00
Sikkim		72	0	1.2	1.2	0.1	21	0.00
Arunachal Pradesh		101	0	2.1	2.3	-0.2	5	0.00
NER		Assam	1810	0	34.6	27.4	0.2	84
	Manipur	189	0	2.6	2.6	0.0	16	0.00
	Meghalaya	307	0	5.8	1.6	-0.3	30	0.00
	Mizoram	98	0	1.6	1.2	0.0	25	0.00
	Nagaland	123	0	2.6	2.2	-0.1	11	0.00
	Tripura	263	0	5.0	5.1	-0.3	42	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	51.2	3.6	-20.6
Day Peak (MW)	2256.0	502.8	-874.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	356.4	-121.1	-80.9	-151.2	-3.2	0.0
Actual(MU)	343.5	-87.6	-106.8	-155.0	-5.6	-11.6
O/D/U/D(MU)	-12.9	33.5	-26.0	-3.8	-2.4	-11.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5431	16893	9142	1915	1059	34439	47
State Sector	8745	17408	7575	4385	11	38124	53
Total	14176	34300	16717	6300	1070	72562	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	606	1125	499	496	5	2732	66
Lignite	25	13	39	0	0	78	2
Hvdro	336	46	97	148	32	658	16
Nuclear	22	28	37	0	0	87	2
Gas, Naptha & Diesel	43	81	12	0	28	163	4
RES (Wind, Solar, Biomass & Others)	75	73	261	4	0	413	10
Total	1106	1366	946	648	65	4131	100

Share of RES in total generation (%)	6.77	5.33	27.58	0.67	0.25	10.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.10	10.74	41.77	23.44	49.17	28.04

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.036
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: 30-Aug-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	2	0	1401	0.0	34.4	-34.4
2	HVDC	PUSAULI B/B	-	0	247	0.0	5.6	-5.6
3	765 kV	GAYA-VARANASI	2	0	535	0.0	6.4	-6.4
4	765 kV	SASARAM-FATEHPUR	1	0	278	0.0	3.7	-3.7
5	765 kV	GAYA-BALIA	1	0	543	0.0	10.1	-10.1
6	400 kV	PUSAULLY-VARANASI	1	0	145	0.0	2.7	-2.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	155	0.0	2.9	-2.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	758	0.0	14.1	-14.1
9	400 kV	PATNA-BALIA	4	0	985	0.0	19.7	-19.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	326	0.0	5.8	-5.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	409	0.0	8.2	-8.2
12	400 kV	BIHARSHARIFF-VARANASI	2	0	220	0.0	2.9	-2.9
13	220 kV	PUSAULLI-SAHUPURI	1	0	76	0.0	1.3	-1.3
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-CHANDALI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>117.7</b>	<b>-117.0</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1345	0.0	22.4	-22.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1177	0	16.3	0.0	16.3
3	765 kV	JHARSUGUDA-DURG	2	51	248	0.0	1.7	-1.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	551	0.0	7.1	-7.1
5	400 kV	RANCHI-SIPAT	2	272	33	3.5	0.0	3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	194	0.0	3.4	-3.4
7	220 kV	BUDHIPADAR-KORBA	2	12	93	0.0	1.0	-1.0
<b>ER-WR</b>						<b>19.8</b>	<b>35.6</b>	<b>-15.8</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEVPORE-GAZIWAKA B/B	2	288	283	1.5	0.0	1.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1241	0.0	25.3	-25.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2172	0.0	35.1	-35.1
4	400 kV	TALCHER-IC	2	1007	0	16.5	0.0	16.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>1.5</b>	<b>60.4</b>	<b>-58.9</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	360	0.0	4.8	-4.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	24	369	0.0	2.7	-2.7
3	220 kV	ALIPURDUAR-SALAKATI	2	0	114	0.0	1.6	-1.6
<b>ER-NER</b>						<b>0.0</b>	<b>9.0</b>	<b>-9.0</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	653	0.0	16.1	-16.1
<b>NER-NR</b>						<b>0.0</b>	<b>16.1</b>	<b>-16.1</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3528	0.0	50.2	-50.2
2	HVDC	VINDHYACHAL B/B	-	47	0	0.0	0.0	0.0
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	300	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	2130	0.0	36.4	-36.4
5	765 kV	GWALIOR-PHAGI	2	0	2411	0.0	51.2	-51.2
6	765 kV	JABALPUR-ORAI	2	0	1181	0.0	44.5	-44.5
7	765 kV	GWALIOR-ORAI	1	783	0	16.2	0.0	16.2
8	765 kV	SATNA-ORAI	1	0	1068	0.0	22.9	-22.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1245	0	21.0	0.0	21.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	3138	0.0	58.7	-58.7
11	400 kV	ZERDA-KANKROLI	1	242	0	3.6	0.0	3.6
12	400 kV	ZERDA-BHINMAL	1	283	96	2.3	0.0	2.3
13	400 kV	VINDHYACHAL-RIHAND	1	968	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUALPUR	2	0	784	0.0	13.3	-13.3
15	220 kV	BHANPURA-RANPUR	1	0	126	0.0	2.2	-2.2
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8
17	220 kV	MEHGAON-AURAIYA	1	92	14	0.7	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	54	20	1.2	0.0	1.2
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
<b>WR-NR</b>						<b>66.7</b>	<b>288.5</b>	<b>-221.8</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	994	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	2171	0	49.6	0.0	49.6
3	765 kV	SOLAPUR-RAICHUR	2	2220	100	25.2	0.0	25.2
4	765 kV	WARDHA-NIZAMABAD	2	488	1155	1.8	9.1	-7.3
5	400 kV	KOLHAPUR-KUDGI	2	1427	0	27.0	0.0	27.0
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	93	1.6	0.0	1.6
<b>WR-SR</b>						<b>129.2</b>	<b>9.1</b>	<b>120.1</b>

**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 MANGDECHHU HEP 4*180MW)	859	0	807	19.4
	ER	400kV TALA-BINAGURI 1,2,4 & 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1018	977	1003	24.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	282	0	253	6.1
	NER	132kV GELEPHU-SALAKATI	42	24	29	0.7
	NER	132kV MOTANGA-RANGIA	55	0	40	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-55	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	175	4	41	1.0
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	383	-1	108	2.6
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-722	-719	-721	-17.3
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-152	0	-139	-3.3