



**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: 26<sup>th</sup> July 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 25.07.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जुलाई-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 25<sup>th</sup> July 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: 26-Jul-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)	61368	44193	34332	23777	2954	166624
Peak Shortage (MW)	480	0	0	140	0	620
Energy Met (MU)	1438	1027	843	505	57	3870
Hydro Gen (MU)	373	23	117	125	29	667
Wind Gen (MU)	18	186	222	-	-	427
Solar Gen (MU)*	45.03	17.24	94.06	4.91	0.20	161
Energy Shortage (MU)	4.72	0.00	0.00	0.42	0.04	5.18
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66832	44201	38125	24331	2954	170573
Time Of Maximum Demand Met (From NLDC SCADA)	22:16	08:43	10:29	23:06	20:00	20:39

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	0.027	0.00	0.53	1.32	1.85	78.94	19.21

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	12268	0	286.0	180.8	-1.8	153	0.00
	Haryana	9195	0	201.0	173.9	2.1	425	0.00
	Rajasthan	12024	0	255.2	97.6	2.5	665	0.00
	Delhi	6007	0	116.3	103.9	-1.5	87	0.00
	UP	23551	0	457.6	213.1	1.3	808	1.27
	Uttarakhand	1926	0	42.6	13.3	1.1	179	0.00
	HP	1358	0	27.5	-7.9	-4.4	0	0.00
	J&K(UT) & Ladakh(UT)	2332	250	45.9	20.8	-0.1	263	3.45
	Chandigarh	292	0	6.0	6.5	-0.4	13	0.00
	Chhattisgarh	3908	0	90.4	43.5	0.8	374	0.00
WR	Gujarat	13332	0	304.5	140.8	-2.4	711	0.00
	MP	8576	0	189.1	105.6	-1.2	336	0.00
	Maharashtra	17449	0	387.9	116.3	-4.3	734	0.00
	Goa	515	0	10.9	9.9	0.4	40	0.00
	DD	296	0	6.5	6.5	0.0	27	0.00
	DNH	804	0	18.9	18.9	0.0	36	0.00
	AMNSIL	851	0	18.6	7.1	-0.4	347	0.00
SR	Andhra Pradesh	7941	0	169.1	40.6	-1.1	484	0.00
	Telangana	8964	0	177.0	64.8	0.7	620	0.00
	Karnataka	6577	0	131.5	0.7	-4.8	844	0.00
	Kerala	2928	0	60.1	19.2	-0.4	213	0.00
	Tamil Nadu	12721	0	296.6	111.1	-3.3	515	0.00
	Puducherry	397	0	8.8	8.4	0.4	62	0.00
	DVC	3047	0	64.5	-40.2	0.0	229	0.00
ER	Bihar	6632	0	129.7	122.9	0.8	405	0.00
	Jharkhand	1677	0	30.4	26.5	-2.1	182	0.42
	Odisha	5968	0	113.9	38.4	0.0	248	0.00
	West Bengal	8524	0	165.1	52.8	0.8	501	0.00
	Sikkim	69	0	1.1	1.2	-0.1	15	0.00
NER	Arunachal Pradesh	130	0	2.3	2.3	0.1	46	0.01
	Assam	1917	0	37.8	31.1	0.4	107	0.00
	Manipur	198	0	2.5	2.6	-0.1	24	0.01
	Meghalaya	305	0	5.6	2.6	-0.2	47	0.00
	Mizoram	92	0	1.6	1.5	0.0	21	0.01
	Nagaland	140	0	2.6	2.3	-0.2	13	0.01
	Tripura	285	0	4.7	4.3	0.1	45	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	33.0	-2.7	-21.9
Day Peak (MW)	1602.0	-290.6	-953.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	389.4	-248.3	-41.7	-96.2	-3.3	0.0
Actual(MU)	394.3	-259.7	-49.1	-88.0	-3.9	-6.3
O/D/U/D(MU)	4.9	-11.4	-7.4	8.2	-0.6	-6.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7692	15015	11082	660	259	34707	41
State Sector	9915	22095	11868	5420	47	49345	59
Total	17607	37110	22950	6080	305	84052	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	544	1007	355	481	10	2397	60
Lignite	24	12	39	0	0	76	2
Hvdro	373	23	117	125	29	667	17
Nuclear	30	33	42	0	0	105	3
Gas, Naptha & Diesel	22	23	12	0	27	85	2
RES (Wind, Solar, Biomass & Others)	85	204	342	5	0	637	16
Total	1079	1303	907	611	66	3966	100
Share of RES in total generation (%)	7.92	15.64	37.75	0.81	0.30	16.06	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.25	19.92	55.26	21.33	43.86	35.51	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
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: 26-Jul-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	2001	0.0	35.3	-35.3	
2	HVDC	PUSAULI B/B	-	0	245	0.0	5.9	-5.9	
3	765 kV	GAYA-VARANASI	2	0	792	0.0	12.0	-12.0	
4	765 kV	SASARAM-FATEHPUR	1	304	56	2.5	0.0	2.5	
5	765 kV	GAYABALLA	1	0	741	0.0	12.7	-12.7	
6	400 kV	PUSAULI-VARANASI	1	0	245	0.0	4.9	-4.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	74	0.0	0.9	-0.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	578	0.0	8.8	-8.8	
9	400 kV	PATNA-BALLA	4	0	1211	0.0	20.4	-20.4	
10	400 kV	BIHARSHARIFF-BALLA	2	0	336	0.0	4.1	-4.1	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	368	0.0	5.8	-5.8	
12	400 kV	BIHARSHARIFF-VARANASI	2	52	194	0.0	2.1	-2.1	
13	220 kV	PUSAULI-SAHUPURI	1	2	149	0.0	2.5	-2.5	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7	
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	3.2	115.2	-111.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	790	524	5.1	0.0	5.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2057	0	37.1	0.0	37.1	
3	765 kV	JHARSUGUDA-DURG	2	277	0	5.3	0.0	5.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	211	245	0.1	0.0	0.1	
5	400 kV	RANCHI-SIPAT	2	570	0	9.2	0.0	9.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	109	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	2	127	0	2.0	0.0	2.0	
						ER-WR	58.8	1.5	57.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	304	0	7.2	0.0	7.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1342	0.0	25.7	-25.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2282	0.0	32.5	-32.5	
4	400 kV	TALCHER-I/C	2	604	593	0.0	1.1	-1.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	7.2	58.2	-51.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	391	0.0	7.1	-7.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	125	238	0.0	2.1	-2.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	113	0.0	2.0	-2.0	
						ER-NER	0.0	11.2	-11.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4535	0.0	62.1	-62.1	
2	HVDC	VINDHYACHAL B/B	-	0	253	0.0	3.3	-3.3	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1916	0.0	29.2	-29.2	
4	765 kV	GWALIOR-AGRA	2	0	3275	0.0	62.0	-62.0	
5	765 kV	GWALIOR-PHAGI	2	0	1936	0.0	35.1	-35.1	
6	765 kV	JABALPUR-ORAI	2	0	1450	0.0	54.7	-54.7	
7	765 kV	GWALIOR-ORAI	1	687	0	12.1	0.0	12.1	
8	765 kV	SAINA-ORAI	1	0	1588	0.0	32.6	-32.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	0	988	0.0	12.3	-12.3	
10	400 kV	ZERDA-KANKROLI	1	60	128	0.0	1.0	-1.0	
11	400 kV	ZERDA-BHINMAL	1	100	185	0.0	1.2	-1.2	
12	400 kV	VINDHYACHAL-RIHAND	1	964	0	21.9	0.0	21.9	
13	400 kV	RAPP-SHUJALPUR	2	0	753	0.0	12.2	-12.2	
14	220 kV	BHANPURA-RANPUR	1	0	167	0.0	2.7	-2.7	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.6	-2.6	
16	220 kV	MEHGAON-AURAIYA	1	84	16	0.1	0.4	-0.3	
17	220 kV	MALANPUR-AURAIYA	1	46	48	0.5	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	34.6	311.5	-276.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	594	0	10.8	0.0	10.8	
2	HVDC	RAIGARH-PUGALUR	2	2149	0	38.1	0.0	38.1	
3	765 kV	SOLAPUR-RAICHUR	2	0	648	0.0	18.9	-18.9	
4	765 kV	WARDHA-NIZAMABAD	2	391	1737	0.3	14.6	-14.2	
5	400 kV	KOLHAPUR-KUDGI	2	1389	0	21.3	0.0	21.3	
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	76	1.4	0.0	1.4	
						WR-SR	90.7	14.6	76.2
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	643	0	460	11.0			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	547	529	544	13.1			
	ER	230kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	325	0	301	7.2			
	NER	132kV GELEPHU-SALAKATI	27	8	20	0.5			
	NER	132kV MOTANGA-RANGIA	60	38	50	1.2			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-42	-1.0			
	ER	NEPAL IMPORT (FROM BIHAR)	-104	-2	-27	-0.7			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-111	0	-41	-1.0			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-811	-790	-797	-19.1			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-142	0	-117	-2.8			