



**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: 25<sup>th</sup> May 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 24.05.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-मई -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 24<sup>th</sup> May 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: 25-May-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)	44869	47698	36139	21840	2645	153191
Peak Shortage (MW)	340	0	0	0	4	344
Energy Met (MU)	980	1160	828	483	50	3501
Hydro Gen (MU)	193	66	85	83	13	439
Wind Gen (MU)	6	88	148	-	-	242
Solar Gen (MU)*	56.00	38.17	88.14	5.11	0.30	188
Energy Shortage (MU)	6.72	0.00	0.00	0.00	0.06	6.78
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47724	50691	36689	23921	2847	157154
Time Of Maximum Demand Met (From NLDC SCADA)	22:50	15:05	12:55	00:01	19:08	22:50

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	0.035	0.00	0.05	8.49	8.54	78.24	13.22

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	641.0	0	141.0	91.8	-0.9	141	0.00
	Haryana	638.2	0	119.8	97.2	1.0	304	0.00
	Rajasthan	1020.0	0	212.9	59.3	4.0	943	0.49
	Delhi	320.2	0	62.9	54.1	-1.0	51	0.00
	UP	1767.5	0	330.7	135.1	-2.6	412	2.78
	Uttarakhand	1604	0	34.8	16.7	0.9	198	0.00
	HP	1325	0	26.4	6.7	1.6	211	0.00
	J&K(UT) & Ladakh(UT)	2357	250	47.3	30.0	-0.8	179	3.45
	Chandigarh	193	0	4.0	4.1	-0.1	10	0.00
	WR	Chhattisgarh	376.5	0	86.9	37.8	0.4	266
Gujarat		1516.8	0	327.8	148.4	2.2	570	0.00
MP		925.9	0	205.1	106.6	-1.0	404	0.00
Maharashtra		2200.8	0	488.3	158.4	-0.6	650	0.00
Goa		54.8	0	11.1	9.8	1.0	84	0.00
DD		289	0	6.1	5.9	0.2	21	0.00
DNH		705	0	16.4	16.0	0.4	64	0.00
SR	AMNSIL	808	0	18.3	1.5	0.6	384	0.00
	Andhra Pradesh	785.1	0	168.3	70.2	1.5	1070	0.00
	Telangana	715.4	0	151.7	52.7	-0.3	549	0.00
	Karnataka	911.7	0	177.1	66.2	0.6	809	0.00
	Kerala	337.8	0	67.0	38.3	0.0	327	0.00
	Tamil Nadu	1178.7	0	256.6	111.6	-4.5	380	0.00
	Puducherry	370	0	7.2	7.3	-0.1	49	0.00
ER	Bihar	590.4	0	117.7	114.2	2.8	392	0.00
	DVC	309.3	0	66.0	-43.0	-0.3	295	0.00
	Jharkhand	1660	0	29.5	26.1	-2.3	187	0.00
	Odisha	523.5	0	107.7	38.2	-0.9	373	0.00
	West Bengal	914.6	0	160.1	40.7	0.0	510	0.00
NER	Sikkim	101	0	1.6	1.5	0.1	39	0.00
	Arunachal Pradesh	103	1	1.8	1.6	0.1	95	0.01
	Assam	176.4	0	32.6	27.4	0.3	213	0.00
	Manipur	193	2	2.6	2.4	0.1	67	0.03
	Meghalaya	279	0	5.0	2.1	0.1	92	0.00
	Mizoram	97	0	1.7	1.6	0.0	21	0.01
	Nagaland	127	2	2.3	2.3	-0.1	28	0.01
	Tripura	291	0	4.5	4.6	0.0	79	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	19.1	-11.6	-24.5
Day Peak (MW)	1028.0	-611.1	-1066.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	233.7	-182.5	21.2	-83.7	11.4	0.0
Actual(MU)	216.8	-167.5	5.3	-77.4	13.5	-9.3
O/D/U/D(MU)	-16.9	15.1	-15.9	6.3	2.1	-9.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7642	20793	9122	1070	1022	39648	43
State Sector	14173	19578	12848	5355	11	51965	57
Total	21814	40371	21970	6425	1033	91613	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	420	1080	369	523	7	2400	67
Lignite	27	11	46	0	0	85	2
Hydro	193	66	85	83	13	439	12
Nuclear	31	33	66	0	0	130	4
Gas, Naptha & Diesel	17	25	12	0	22	76	2
RES (Wind, Solar, Biomass & Others)	81	126	251	5	0	463	13
Total	769	1341	829	611	43	3593	100
Share of RES in total generation (%)	10.48	9.41	30.32	0.84	0.70	12.90	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.67	16.77	48.45	14.39	30.88	28.74	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.079

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: 25-May-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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	2	0	743	0.0	11.5	-11.5	
4	765 kV	SASARAM-FATEHPUR	1	60	267	0.0	2.1	-2.1	
5	765 kV	GAYA-BALIA	1	0	536	0.0	9.2	-9.2	
6	400 kV	PUSAULI-VARANASI	1	0	236	0.0	4.6	-4.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	94	0.0	0.5	-0.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	541	0.0	8.5	-8.5	
9	400 kV	PATNA-BALIA	4	0	1004	0.0	17.0	-17.0	
10	400 kV	BIHARSHARIFF-BALIA	2	0	263	0.0	3.6	-3.6	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	389	0.0	6.0	-6.0	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	309	0.0	3.9	-3.9	
13	220 kV	PUSAULI-SAHUPURI	1	113	0	0.0	1.5	-1.5	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.0	0.0	0.0	
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	0.3	74.4	-74.1
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	640	166	4.6	0.0	4.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1325	174	15.9	0.0	15.9	
3	765 kV	JHARSUGUDA-DURG	2	298	250	0.0	0.7	-0.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	169	327	0.0	1.4	-1.4	
5	400 kV	RANCHI-SIPAT	2	353	94	4.3	0.0	4.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	132	0.0	1.7	-1.7	
7	220 kV	BUDHIPADAR-KORBA	2	95	13	1.0	0.0	1.0	
						ER-WR	25.7	3.7	22.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	283	0.0	6.1	-6.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1333	0.0	27.4	-27.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2654	0.0	38.9	-38.9	
4	400 kV	TALCHER-I/C	2	1295	0	17.0	0.0	17.0	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	72.4	-72.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	163	212	0.0	0.0	0.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	219	418	0.0	2.3	-2.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	27	73	0.0	0.5	-0.5	
						ER-NER	0.0	2.8	-2.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALL-AGRA	2	493	0	10.4	0.0	10.4	
						NER-NR	10.4	0.0	10.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2275	0.0	42.5	-42.5	
2	HVDC	VINDHYACHAL B/B	-	84	0	2.4	0.0	2.4	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1364	0.0	33.0	-33.0	
4	765 kV	GWALIOR-AGRA	2	0	2729	0.0	48.9	-48.9	
5	765 kV	PHAGI-GWALIOR	2	0	1590	0.0	29.8	-29.8	
6	765 kV	JABALPUR-ORAI	2	699	1023	0.0	36.6	-36.6	
7	765 kV	GWALIOR-ORAI	1	666	0	12.4	0.0	12.4	
8	765 kV	SATNA-ORAI	1	0	1479	0.0	30.4	-30.4	
9	765 kV	CHITORGARH-BANASKANTHA	2	1357	0	18.1	0.0	18.1	
10	400 kV	ZERDA-KANKROLI	1	306	0	4.8	0.0	4.8	
11	400 kV	ZERDA-BHNMAL	1	492	0	6.9	0.0	6.9	
12	400 kV	VINDHYACHAL-RIHAND	1	974	0	22.6	0.0	22.6	
13	400 kV	RAPP-SHULALPUR	2	0	460	0.0	5.8	-5.8	
14	220 kV	BHANPURA-RANPUR	1	0	121	0.0	2.2	-2.2	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.9	-1.9	
16	220 kV	MEHGAON-AURAIYA	1	72	10	0.1	0.3	-0.1	
17	220 kV	MALANPUR-AURAIYA	1	40	28	0.5	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	68.0	232.2	-164.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	322	0.0	7.6	-7.6	
2	HVDC	RAIGARH-PUGALUR	2	578	501	3.8	0.0	3.8	
3	765 kV	SOLAPUR-RAICHUR	2	2055	1051	19.7	2.0	17.7	
4	765 kV	WARDHA-NIZAMABAD	2	370	1497	0.6	10.1	-9.5	
5	400 kV	KOLHAPUR-KUDGI	2	883	0	14.0	0.0	14.0	
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	77	1.5	0.0	1.5	
						WR-SR	39.7	19.7	19.9
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	504	0	413	9.9			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	309	191	266	6.4			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	146	68	85	2.0			
	NER	132KV-GEYLEGPHU - SALAKATI	19	3	5	0.1			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-68	-1.6			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-320	-198	-246	-5.9			
	ER	132KV-BIHAR - NEPAL	-212	-94	-168	-4.0			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-899	-808	-879	-21.1			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-84	0	-72	-1.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-83	0	-72	-1.7			