



**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: 17<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 16.05.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-मई -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 16<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: 17-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)	47127	39864	34167	21310	2338	144806
Peak Shortage (MW)	200	0	0	0	6	206
Energy Met (MU)	1047	1070	795	467	41	3420
Hydro Gen (MU)	178	46	57	54	15	350
Wind Gen (MU)	38	133	122	-	-	294
Solar Gen (MU)*	49.52	26.85	83.04	5.10	0.21	165
Energy Shortage (MU)	3.91	0.00	0.00	0.00	0.14	4.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50335	47407	34393	22317	2560	150293
Time Of Maximum Demand Met (From NLDC SCADA)	22:32	00:09	22:17	22:55	19:04	00:00

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	0.038	0.00	0.73	5.73	6.46	73.49	20.06

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	6405	0	138.3	87.9	-0.5	98	0.00
	Haryana	6588	0	129.2	106.4	1.5	237	0.00
	Rajasthan	10981	0	222.4	62.4	-0.2	552	0.00
	Delhi	4045	0	73.6	57.8	-1.2	77	0.01
	UP	19834	0	372.9	150.8	-1.0	571	0.45
	Uttarakhand	1574	0	33.1	13.8	0.8	144	0.00
	HP	1196	0	24.2	6.4	1.2	138	0.00
	J&K(UT) & Ladakh(UT)	2340	250	50.1	31.5	1.0	231	3.45
	Chandigarh	184	0	3.5	3.4	0.1	39	0.00
	Chhattisgarh	3766	0	85.8	37.2	-0.5	194	0.00
WR	Gujarat	16021	0	332.8	128.9	-0.4	511	0.00
	MP	9843	0	206.8	113.5	-4.9	739	0.00
	Maharashtra	18251	0	401.8	116.0	-6.3	939	0.00
	Goa	355	0	3.8	4.4	-1.0	57	0.00
	DD	250	0	5.1	5.2	-0.1	26	0.00
	DNH	661	0	14.9	15.0	-0.1	60	0.00
	AMNSIL	825	0	18.8	1.0	0.4	278	0.00
SR	Andhra Pradesh	8316	0	182.8	87.8	0.0	773	0.00
	Telangana	6284	0	137.2	38.9	-1.8	503	0.00
	Karnataka	6592	0	144.3	31.2	-8.3	879	0.00
	Kerala	2723	0	52.7	28.2	-0.3	196	0.00
	Tamil Nadu	11778	0	270.4	175.5	-1.5	414	0.00
	Puducherry	361	0	7.3	7.8	-0.5	19	0.00
ER	Bihar	5697	0	115.6	104.6	5.2	385	0.00
	DVC	2976	0	64.8	-42.9	0.0	300	0.00
	Jharkhand	1522	0	28.1	24.7	-2.3	174	0.00
	Odisha	4839	0	97.1	33.8	-0.9	390	0.00
	West Bengal	8216	0	160.8	39.5	1.1	800	0.00
NER	Sikkim	58	0	0.8	1.2	-0.5	20	0.00
	Arunachal Pradesh	108	0	2.1	1.9	0.2	14	0.01
	Assam	1411	2	23.3	18.8	0.2	93	0.00
	Manipur	202	0	2.4	2.5	-0.1	18	0.01
	Meghalaya	310	0	5.6	4.0	0.1	29	0.00
	Mizoram	94	0	1.6	1.6	-0.1	14	0.01
	Nagaland	122	1	2.2	2.2	0.0	7	0.02
	Tripura	241	0	4.0	3.6	-0.1	40	0.09

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.6	-12.4	-18.5
Day Peak (MW)	611.0	-118.0	-1006.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.8	-245.7	80.1	-72.9	2.7	0.0
Actual(MU)	233.3	-259.1	64.5	-44.1	2.9	-2.4
O/D/U/D(MU)	-2.5	-13.3	-15.6	28.8	0.3	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5952	17711	8982	1148	1047	34839	41
State Sector	12528	18775	13655	4465	11	49434	59
Total	18479	36486	22637	5613	1058	84273	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	471	1070	340	478	6	2365	67
Lignite	21	10	39	0	0	70	2
Hydro	178	46	57	54	15	350	10
Nuclear	31	27	65	0	0	123	4
Gas, Naptha & Diesel	30	37	11	0	22	101	3
RES (Wind, Solar, Biomass & Others)	104	160	228	5	0	498	14
Total	834	1351	741	537	43	3506	100
Share of RES in total generation (%)	12.47	11.88	30.80	0.96	0.49	14.21	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.42	17.32	47.27	11.04	34.82	27.69	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.045
Based on State Max Demands	1.098

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: 17-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	601	0.0	9.2	-9.2
4	765 kV	SASARAM-FATEHPUR	1	177	207	0.0	1.0	-1.0
5	765 kV	GAYA-BALIA	1	0	452	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	1	0	235	0.0	4.8	-4.8
7	400 kV	PUSAULI-ALLAHABAD	1	0	94	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	525	0.0	7.9	-7.9
9	400 kV	PATNA-BALIA	4	0	812	0.0	12.3	-12.3
10	400 kV	BIHARSHARIFF-BALIA	2	91	167	0.0	1.8	-1.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	359	0.0	5.7	-5.7
12	400 kV	BIHARSHARIFF-VARANASI	2	27	235	0.0	1.9	-1.9
13	220 kV	PUSAULI-SAHUPURI	1	25	94	0.0	1.2	-1.2
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
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	60.7	-60.3
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1452	0	20.8	0.0	20.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1418	0	24.9	0.0	24.9
3	765 kV	JHARSUGUDA-DURG	2	323	0	4.2	0.0	4.2
4	400 kV	JHARSUGUDA-RAIGARH	4	180	102	0.8	0.0	0.8
5	400 kV	RANCHI-SIPAT	2	381	0	5.8	0.0	5.8
6	220 kV	BUDHIPADAR-RAIGARH	1	19	59	0.0	0.4	-0.4
7	220 kV	BUDHIPADAR-KORBA	2	144	0	2.1	0.0	2.1
						ER-WR	58.4	-58.0
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	394	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1984	0.0	37.5	-37.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2842	0.0	45.1	-45.1
4	400 kV	TALCHER-I/C	2	667	449	0.0	1.8	-1.8
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	91.2	-91.2
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	212	0	3.1	0.0	3.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	298	0	4.1	0.0	4.1
3	220 kV	ALIPURDUAR-SALAKATI	2	56	6	0.7	0.0	0.7
						ER-NER	7.8	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALL-AGRA	2	461	0	10.4	0.0	10.4
						NER-NR	10.4	0.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3027	0.0	42.3	-42.3
2	HVDC	VINDHYACHAL B/B	-	21	155	0.0	3.1	-1.1
3	HVDC	MUNDRAL-MOHINDERGARH	2	0	1458	0.0	34.8	-34.8
4	765 kV	GWALIOR-AGRA	2	0	2774	0.0	56.2	-56.2
5	765 kV	PHAGL-GWALIOR	2	0	1672	0.0	31.2	-31.2
6	765 kV	JABALPUR-ORAI	2	0	1000	0.0	38.4	-38.4
7	765 kV	GWALIOR-ORAI	1	707	0	13.1	0.0	13.1
8	765 kV	SATNA-ORAI	1	0	1493	0.0	32.1	-32.1
9	765 kV	CHITORGARH-BANASKANTHA	2	870	490	10.6	0.9	9.8
10	400 kV	ZERDA-KANKROLI	1	252	37	3.6	0.0	3.6
11	400 kV	ZERDA-BHNMAL	1	474	0	6.3	0.0	6.3
12	400 kV	VINDHYACHAL-RIHAND	1	970	0	22.6	0.0	22.6
13	400 kV	RAPP-SHULALPUR	2	0	438	0.0	7.5	-7.5
14	220 kV	BHANPURA-RANPUR	1	0	109	0.0	1.8	-1.8
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
16	220 kV	MEHGAON-AURAIYA	1	58	8	0.1	0.4	-0.3
17	220 kV	MALANPUR-AURAIYA	1	23	32	0.4	0.0	0.4
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	56.7	248.4
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	435	0	6.6	0.0	6.6
2	HVDC	RAIGARH-PUGALUR	2	969	502	1.4	0.0	1.4
3	765 kV	SOLAPUR-RAICHUR	2	1382	1879	5.6	11.6	-6.0
4	765 kV	WARDHA-NIZAMABAD	2	174	2168	0.1	24.3	-24.3
5	400 kV	KOLHAPUR-KUDGI	2	926	0	12.0	0.0	12.0
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	1	2	0.0	0.0	0.0
						WR-SR	36.0	-10.2
<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)	248	0	229	5.5		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	250	0	206	5.0		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	67	0	40	1.0		
	NER	132KV-GEYLEGPHU - SALAKATI	19	3	10	0.2		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-76	0	-69	-1.7		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-316	-126	-233	-5.6		
	ER	132KV-BIHAR - NEPAL	274	165	-213	-5.1		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-864	-403	-651	-15.6		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-71	0	-60	-1.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-71	0	-60	-1.5		