



**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: 15<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 14.05.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14<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: 15-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)	43321	47313	35692	20994	2370	149690
Peak Shortage (MW)	351	0	0	0	1	352
Energy Met (MU)	1006	1210	894	419	42	3571
Hydro Gen (MU)	202	70	58	68	18	417
Wind Gen (MU)	13	67	78	-	-	158
Solar Gen (MU)*	49.70	40.05	106.16	5.29	0.22	201
Energy Shortage (MU)	3.63	0.00	0.00	0.00	0.04	3.67
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47350	53983	41154	21192	3084	157259
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	15:21	10:45	21:21	18:30	22:26

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	0.052	0.00	1.04	12.80	13.84	70.44	15.72

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	6241	0	137.2	92.0	-0.5	100	0.00
	Haryana	6649	0	132.2	110.2	1.2	340	0.00
	Rajasthan	10576	0	216.6	67.2	0.4	370	0.15
	Delhi	3775	0	73.0	57.4	-1.7	81	0.00
	UP	17825	0	343.6	130.2	-4.3	254	0.00
	Uttarakhand	1566	0	33.8	12.5	0.1	147	0.00
	HP	1336	15	26.6	5.0	1.0	197	0.03
	J&K(UT) & Ladakh(UT)	2149	200	39.7	27.1	-6.3	227	3.45
	Chandigarh	161	0	3.2	3.3	-0.1	19	0.00
	Chhattisgarh	3354	0	78.2	30.0	0.3	322	0.00
WR	Gujarat	16873	0	360.2	143.2	-0.4	661	0.00
	MP	9729	0	218.8	124.1	-0.3	501	0.00
	Maharashtra	22595	0	503.2	168.5	-4.0	1007	0.00
	Goa	482	0	9.7	10.5	-1.4	75	0.00
	DD	283	0	6.3	6.1	0.2	22	0.00
	DNH	662	0	15.6	15.6	0.0	40	0.00
	AMNSIL	797	0	18.1	1.2	0.2	274	0.00
SR	Andhra Pradesh	8938	0	187.8	107.5	-1.9	860	0.00
	Telangana	7427	0	156.2	49.9	-2.1	446	0.00
	Karnataka	9246	0	180.9	61.7	-1.5	631	0.00
	Kerala	2271	0	54.2	32.6	-0.5	371	0.00
	Tamil Nadu	13717	0	306.6	181.5	-1.6	624	0.00
	Puducherry	391	0	8.4	8.7	-0.3	28	0.00
ER	Bihar	5253	0	97.5	92.6	0.2	516	0.00
	DVC	2979	0	64.9	-43.1	-0.7	234	0.00
	Jharkhand	1508	0	26.3	23.0	-2.3	168	0.00
	Odisha	4597	0	87.2	22.7	-1.1	363	0.00
	West Bengal	7505	0	141.7	26.3	-0.6	231	0.00
NER	Sikkim	70	0	1.0	1.6	-0.6	9	0.00
	Arunachal Pradesh	110	0	2.2	2.2	0.0	28	0.01
	Assam	1477	0	24.0	18.5	-0.2	92	0.00
	Manipur	194	1	2.2	2.5	-0.3	18	0.01
	Meghalaya	330	0	5.7	4.3	0.1	48	0.00
	Mizoram	100	0	1.6	1.6	-0.1	15	0.01
	Nagaland	135	2	2.2	2.2	0.0	12	0.01
	Tripura	246	0	4.0	3.4	-0.4	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	16.7	-7.5	-20.6
Day Peak (MW)	794.0	-521.9	-1070.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	211.6	-220.5	135.9	-126.7	-0.3	0.0
Actual(MU)	198.3	-204.7	114.6	-114.5	-1.3	-7.5
O/D/U/D(MU)	-13.3	15.9	-21.3	12.2	-1.0	-7.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5327	16326	8692	1498	1013	32856	42
State Sector	11598	17817	10425	4685	11	44536	58
Total	16924	34143	19117	6183	1025	77391	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	462	1197	424	502	7	2592	70
Lignite	22	11	38	0	0	71	2
Hydro	202	70	58	68	18	417	11
Nuclear	31	16	57	0	0	104	3
Gas, Naptha & Diesel	30	42	11	0	23	106	3
RES (Wind, Solar, Biomass & Others)	86	107	205	5	0	403	11
Total	833	1443	793	575	48	3693	100
Share of RES in total generation (%)	10.30	7.44	25.81	0.91	0.46	10.92	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.25	13.41	40.30	12.73	38.54	25.01	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Based on State Max Demands	1.091

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: 15-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	6.0	-6.0
3	765 kV	GAYAVARANASI	2	0	692	0.0	13.1	-13.1
4	765 kV	SASARAM-FATEHPUR	1	0	288	0.0	4.1	-4.1
5	765 kV	GAYA-BALIA	1	0	389	0.0	7.1	-7.1
6	400 kV	PUSAULI-VARANASI	1	0	209	0.0	4.2	-4.2
7	400 kV	PUSAULI-ALLAHABAD	1	0	104	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	714	0.0	12.0	-12.0
9	400 kV	PATNA-BALIA	4	0	906	0.0	14.8	-14.8
10	400 kV	BIHARSHARIFF-BALIA	2	3	271	0.0	4.4	-4.4
11	400 kV	MOTIHARI-GORAKHPUR	2	0	442	0.0	7.7	-7.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	278	0.0	5.0	-5.0
13	220 kV	PUSAULI-SAHUPURI	1	23	91	0.0	1.1	-1.1
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	0.4	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	81.1	-80.7
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1318	34	12.4	0.0	12.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	725	460	4.4	0.0	4.4
3	765 kV	JHARSUGUDA-DURG	2	37	258	0.0	3.0	-3.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	394	0.0	5.8	-5.8
5	400 kV	RANCHI-SIPAT	2	167	166	0.3	0.0	0.3
6	220 kV	BUDHIPADAR-RAIGARH	1	3	91	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	134	0	1.9	0.0	1.9
						ER-WR	18.9	8.9
<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	1976	0.0	39.3	-39.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2784	0.0	55.3	-55.3
4	400 kV	TALCHER-I/C	2	356	257	2.7	0.0	2.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	103.3	-103.3
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	340	0	5.3	0.0	5.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	517	0	7.0	0.0	7.0
3	220 kV	ALIPURDUAR-SALAKATI	2	83	0	1.0	0.0	1.0
						ER-NER	13.3	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	485	0	11.6	0.0	11.6
						NER-NR	11.6	0.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3032	0.0	36.2	-36.2
2	HVDC	VINDHYACHAL B/B	-	0	251	0.0	6.0	-6.0
3	HVDC	MUNDRU-MOHINDERGARH	2	0	1457	0.0	36.3	-36.3
4	765 kV	GWALIOR-AGRA	2	0	2210	0.0	39.8	-39.8
5	765 kV	PHAGI-GWALIOR	2	0	1694	0.0	31.5	-31.5
6	765 kV	JABALPUR-ORAI	2	0	772	0.0	27.6	-27.6
7	765 kV	GWALIOR-ORAI	1	747	0	14.5	0.0	14.5
8	765 kV	SATNA-ORAI	1	0	1335	0.0	28.5	-28.5
9	765 kV	CHITORGARH-BANASKANTHA	2	1470	0	21.1	0.0	21.1
10	400 kV	ZERDA-KANKROLI	1	305	0	5.4	0.0	5.4
11	400 kV	ZERDA-BHINMAL	1	475	0	7.2	0.0	7.2
12	400 kV	VINDHYACHAL-RIHAND	1	974	0	22.7	0.0	22.7
13	400 kV	RAPP-SHULALPUR	2	23	367	0.0	3.7	-3.7
14	220 kV	BHANPURA-RANPUR	1	0	92	0.0	1.3	-1.3
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.0	-1.0
16	220 kV	MEHGAON-AURAIYA	1	83	0	0.3	0.0	0.3
17	220 kV	MALANPUR-AURAIYA	1	51	21	0.8	0.0	0.8
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	72.0	211.8
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.2	-12.2
2	HVDC	RAIGARH-PUGALUR	2	0	1505	0.0	21.1	-21.1
3	765 kV	SOLAPUR-RAICHUR	2	1005	1670	3.9	9.1	-5.2
4	765 kV	WARDHA-NIZAMABAD	2	0	1702	0.0	24.2	-24.2
5	400 kV	KOLHAPUR-KUDGI	2	562	0	6.7	0.0	6.7
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	80	1.1	0.0	1.1
						WR-SR	11.7	66.6

INTERNATIONAL EXCHANGES

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)	370	0	285	6.9
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	341	0	308	7.4
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	108	0	74	1.8
	NER	132KV-GEYLEGPHU - SALAKATI	18	-5	4	0.1
	NER	132KV Motanga-Rangia	-43	-16	-31	-0.8
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-65	-1.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-249	-100	-160	-3.8
	ER	132KV-BIHAR - NEPAL	-194	-24	-86	-2.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-932	-588	-744	-17.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-69	0	-58	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-69	0	-58	-1.4