



**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: 2<sup>nd</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 01.05.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01<sup>st</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: 02-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)	48005	46297	38474	21290	2096	156162
Peak Shortage (MW)	213	0	0	0	4	217
Energy Met (MU)	1104	1205	981	443	45	3779
Hydro Gen (MU)	159	41	59	40	10	308
Wind Gen (MU)	21	51	32	-	-	104
Solar Gen (MU)*	43.98	31.02	97.67	5.08	0.19	178
Energy Shortage (MU)	6.42	0.00	0.00	0.00	0.10	6.52
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51622	53650	43961	21614	2221	166789
Time Of Maximum Demand Met (From NLDC SCADA)	22:23	14:39	12:35	19:40	18:59	00:01

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	0.047	0.00	0.97	7.71	8.68	73.32	18.00

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	6861	0	155.9	86.5	-1.0	54	0.00
	Haryana	7308	0	145.1	110.8	-0.6	285	0.00
	Rajasthan	10648	0	217.5	57.2	-1.9	436	0.00
	Delhi	3991	0	79.7	63.4	-0.5	158	0.00
	UP	19444	0	384.8	159.9	-3.9	235	0.00
	Uttarakhand	1626	0	36.4	18.4	0.2	167	0.00
	HP	1383	0	27.8	11.2	0.4	185	0.02
	J&K(UT) & Ladakh(UT)	2711	208	52.1	36.4	-0.2	217	6.40
	Chandigarh	220	0	4.8	4.8	0.0	47	0.00
	Chhattisgarh	4059	0	96.6	35.1	-0.1	406	0.00
WR	Gujarat	17379	0	371.6	119.3	0.1	807	0.00
	MP	10115	0	219.9	132.9	-2.9	520	0.00
	Maharashtra	20776	0	470.8	150.1	-3.0	609	0.00
	Goa	463	0	9.9	9.9	-0.3	52	0.00
	DD	271	0	4.9	5.2	-0.3	20	0.00
	DNH	690	0	15.2	15.4	-0.2	47	0.00
	AMNSIL	815	0	16.3	1.2	0.0	266	0.00
SR	Andhra Pradesh	9275	0	195.1	93.3	0.9	1030	0.00
	Telangana	7658	0	166.5	61.2	-0.7	339	0.00
	Karnataka	10016	0	202.5	64.6	-0.6	446	0.00
	Kerala	3452	0	73.6	56.2	-0.5	300	0.00
	Tamil Nadu	14712	0	335.4	228.3	1.0	931	0.00
	Puducherry	392	0	7.9	8.3	-0.4	32	0.00
ER	Bihar	5565	0	104.5	95.7	0.8	554	0.00
	DVC	2793	0	60.1	-52.3	-1.4	391	0.00
	Jharkhand	1476	0	25.6	21.5	-1.1	156	0.00
	Odisha	5140	0	103.4	33.1	0.3	474	0.00
	West Bengal	7840	0	148.7	25.2	-1.5	713	0.00
NER	Sikkim	58	0	0.8	1.2	-0.4	14	0.00
	Arunachal Pradesh	114	1	2.1	2.2	-0.2	34	0.01
	Assam	1406	0	27.7	24.7	-0.4	190	0.00
	Manipur	168	1	2.3	2.4	-0.1	27	0.01
	Meghalaya	319	0	5.3	4.4	0.0	49	0.06
	Mizoram	100	1	1.5	1.5	-0.1	17	0.01
	Nagaland	108	1	2.1	1.9	0.2	25	0.01
	Tripura	303	0	4.4	3.9	0.1	117	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	7.0	-13.5	-25.4
Day Peak (MW)	431.0	-766.3	-1086.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.3	-311.2	138.7	-96.8	7.9	0.0
Actual(MU)	256.6	-317.6	148.2	-100.3	7.4	-5.9
O/D/U/D(MU)	-4.7	-6.5	9.5	-3.6	-0.6	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5577	14089	7202	843	947	28658	43
State Sector	12615	14037	7905	3835	11	38403	57
Total	18192	28126	15107	4678	958	67061	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	541	1336	515	548	12	2951	76
Lignite	22	10	48	0	0	80	2
Hydro	159	41	59	40	10	308	8
Nuclear	25	28	59	0	0	112	3
Gas, Naptha & Diesel	34	52	11	0	22	118	3
RES (Wind, Solar, Biomass & Others)	87	82	156	5	0	330	8
Total	868	1547	848	592	44	3899	100
Share of RES in total generation (%)	10.03	5.29	18.38	0.85	0.44	8.47	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.28	9.73	32.24	7.58	23.36	19.25	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.077

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: 02-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	GAYA-VARANASI	2	0	684	0.0	12.1	-12.1
4	765 kV	SASARAM-FATEHPUR	2	34	254	0.0	3.0	-3.0
5	765 kV	GAYA-BALIA	1	0	581	0.0	10.8	-10.8
6	400 kV	PUSAULI-VARANASI	1	0	219	0.0	4.5	-4.5
7	400 kV	PUSAULI-ALLAHABAD	1	0	93	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	503	0.0	7.6	-7.6
9	400 kV	PATNA-BALIA	4	0	1102	0.0	20.3	-20.3
10	400 kV	BIHARSHARIFF-BALIA	2	0	316	0.0	5.5	-5.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	345	0.0	6.1	-6.1
12	400 kV	BIHARSHARIFF-VARANASI	2	0	279	0.0	4.0	-4.0
13	220 kV	PUSAULI-SAHUPURI	1	12	123	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	0.6	0.0	0.6
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	0.6	-82.1
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1436	0	20.5	0.0	20.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1015	236	13.8	0.0	13.8
3	765 kV	JHARSUGUDA-DURG	2	128	130	0.1	0.0	0.1
4	400 kV	JHARSUGUDA-RAIGARH	4	168	246	0.0	1.6	-1.6
5	400 kV	RANCHI-SIPAT	2	267	101	3.0	0.0	3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	146	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	150	0	2.2	0.0	2.2
						ER-WR	39.7	-36.1
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	527	0.0	11.3	-11.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	39.8	-39.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2905	0.0	56.4	-56.4
4	400 kV	TALCHER-I/C	2	358	242	3.5	0.0	3.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	107.6	-107.6
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	203	71	1.7	0.0	1.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	339	117	2.2	0.0	2.2
3	220 kV	ALIPURDUAR-SALAKATI	2	41	35	0.0	0.0	0.0
						ER-NER	3.9	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	495	0	11.7	0.0	11.7
						NER-NR	11.7	0.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	47.2	-47.2
2	HVDC	VINDHYACHAL B/B	-	0	253	0.0	6.0	-6.0
3	HVDC	MUNDRAM-SOHNERGARH	2	0	1921	0.0	41.1	-41.1
4	765 kV	GWALIOR-AGRA	2	0	2781	0.0	52.4	-52.4
5	765 kV	PHAGI-GWALIOR	2	0	1578	0.0	29.2	-29.2
6	765 kV	JABALPUR-ORAI	2	720	975	0.0	37.5	-37.5
7	765 kV	GWALIOR-ORAI	1	680	0	12.5	0.0	12.5
8	765 kV	SATNA-ORAI	1	0	1509	0.0	31.6	-31.6
9	765 kV	CHITORGARH-BANASKANTHA	2	970	0	13.8	0.0	13.8
10	400 kV	ZERDA-KANKROLI	1	237	0	4.2	0.0	4.2
11	400 kV	ZERDA-BHINMAL	1	442	0	6.5	0.0	6.5
12	400 kV	VINDHYACHAL-RIHAND	1	971	0	22.5	0.0	22.5
13	400 kV	RAPP-SHUALPUR	2	0	428	0.0	6.8	-6.8
14	220 kV	BHANPUR-RANPUR	1	0	108	0.0	1.4	-1.4
15	220 kV	BHANPUR-MORAK	1	0	30	0.0	1.2	-1.2
16	220 kV	MEHGAON-AURAIYA	1	72	29	0.1	0.4	-0.3
17	220 kV	MALANPUR-AURAIYA	1	38	44	0.5	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	60.0	-194.8
<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	1449	0.0	20.4	-20.4
3	765 kV	SOLAPUR-RAICHUR	2	313	1765	0.0	21.2	-21.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2271	0.0	35.4	-35.4
5	400 kV	KOLHAPUR-KUDGI	2	449	276	1.6	0.0	1.6
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	116	1.8	0.0	1.8
						WR-SR	3.4	-85.9
<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)	179	0	166	4.0		
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	173	96	132	3.2		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	34	0	-7	-0.2		
	NER	132KV-GEYLEGPHU - SALAKATI	28	12	-13	-0.3		
	NER	132KV Motanga-Rangia	18	0	10	0.2		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-76	0	-68	-1.6		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-367	-192	-300	-7.2		
	ER	132KV-BIHAR - NEPAL	-323	-97	-193	-4.6		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-938	-933	-934	-22.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	74	0	-63	-1.5		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	74	0	-63	-1.5		