



**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: 4<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 03.05.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03<sup>rd</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: 04-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)	48431	48160	42233	20333	2586	161743
Peak Shortage (MW)	350	0	0	0	4	354
Energy Met (MU)	1072	1207	1006	418	43	3747
Hydro Gen (MU)	171	41	64	37	9	322
Wind Gen (MU)	25	63	25	-	-	113
Solar Gen (MU)*	48.12	37.01	102.72	4.85	0.12	193
Energy Shortage (MU)	6.40	0.00	0.00	0.00	0.04	6.44
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51572	54526	47388	20650	2807	167126
Time Of Maximum Demand Met (From NLDC SCADA)	22:21	14:38	12:48	19:51	18:54	12:50

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	0.16	4.62	4.78	75.36	19.86

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	6759	0	151.9	87.9	-0.4	162	0.00
	Haryana	7503	0	144.4	107.0	1.2	212	0.00
	Rajasthan	10837	0	221.2	49.0	0.3	370	0.00
	Delhi	4162	0	81.9	64.7	-0.1	124	0.00
	UP	18741	0	352.4	136.0	-2.2	757	0.00
	Uttarakhand	1653	0	36.1	17.8	0.7	242	0.00
	HP	1364	0	27.5	9.0	0.8	104	0.00
	J&K(UT) & Ladakh(UT)	2625	350	51.6	34.9	0.8	276	6.40
	Chandigarh	232	0	5.1	4.9	0.2	38	0.00
	Chhattisgarh	3891	0	90.6	32.7	-1.7	179	0.00
WR	Gujarat	17527	0	367.0	122.2	-2.0	518	0.00
	MP	9568	0	209.3	124.3	-2.7	660	0.00
	Maharashtra	22620	0	490.6	157.8	-2.1	654	0.00
	Goa	529	0	11.2	11.1	-0.1	83	0.00
	DD	292	0	6.1	6.1	0.0	99	0.00
	DNH	696	0	15.9	15.9	0.0	63	0.00
	AMNSIL	725	0	15.9	1.1	0.1	285	0.00
SR	Andhra Pradesh	9892	0	201.3	108.1	0.7	487	0.00
	Telangana	7818	0	163.9	46.7	-1.1	660	0.00
	Karnataka	10501	0	211.6	65.0	-1.1	494	0.00
	Kerala	3577	0	77.9	57.5	-0.1	243	0.00
	Tamil Nadu	15429	0	343.1	235.7	-0.1	694	0.00
	Puducherry	421	0	8.7	8.9	-0.3	30	0.00
ER	Bihar	5394	0	100.5	92.3	1.3	737	0.00
	DVC	2791	0	57.5	-47.9	0.0	259	0.00
	Jharkhand	1237	0	24.2	20.8	-1.8	171	0.00
	Odisha	5078	0	103.8	33.9	-1.3	343	0.00
	West Bengal	8109	0	131.2	18.4	-2.9	568	0.00
NER	Sikkim	65	0	0.9	0.9	0.0	38	0.00
	Arunachal Pradesh	125	1	2.2	2.2	-0.1	26	0.01
	Assam	1562	0	25.8	22.4	-0.6	126	0.00
	Manipur	197	1	2.5	2.5	0.0	26	0.01
	Meghalaya	305	0	4.8	4.2	-0.1	26	0.00
	Mizoram	108	1	1.4	1.6	-0.3	19	0.01
	Nagaland	117	1	2.1	2.1	0.0	26	0.01
	Tripura	285	0	4.7	3.9	0.1	55	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	6.2	-15.8	-25.3
Day Peak (MW)	415.0	-722.4	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	228.8	-284.6	149.1	-100.0	6.7	0.0
Actual(MU)	225.0	-287.6	155.0	-105.3	8.3	-4.6
OD/UD(MU)	-3.9	-3.0	5.8	-5.3	1.7	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5377	16277	6602	1148	913	30317	45
State Sector	11955	13710	8035	4055	11	37766	55
Total	17332	29987	14637	5203	925	68083	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	524	1292	529	530	10	2885	75
Lignite	21	8	50	0	0	80	2
Hydro	171	41	64	37	9	322	8
Nuclear	26	28	59	0	0	113	3
Gas, Naptha & Diesel	28	46	11	0	23	108	3
RES (Wind, Solar, Biomass & Others)	95	100	153	5	0	353	9
Total	865	1516	867	572	41	3861	100
Share of RES in total generation (%)	10.93	6.61	17.68	0.85	0.29	9.14	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.65	11.17	31.91	7.35	22.11	20.41	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.059
Based on State Max Demands	1.093

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: 04-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	6.2	-6.2	
3	765 kV	GAYAVARANASI	2	0	731	0.0	11.3	-11.3	
4	765 kV	SASARAM-FATEHPUR	1	0	253	0.0	3.8	-3.8	
5	765 kV	GAYA-BALIA	1	0	521	0.0	9.1	-9.1	
6	400 kV	PUSAULI-VARANASI	1	0	223	0.0	4.6	-4.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	93	0.0	1.4	-1.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	152	700	0.0	7.2	-7.2	
9	400 kV	PATNA-BALIA	4	0	1005	0.0	15.7	-15.7	
10	400 kV	BIHARSHARIFF-BALIA	2	64	383	0.0	4.0	-4.0	
11	400 kV	MOTIHARI-GORAKHPUR	2	12	401	0.0	5.4	-5.4	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	289	0.0	3.9	-3.9	
13	220 kV	PUSAULI-SAHUPURI	1	24	104	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	0.4	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	0.4	73.5	-73.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1418	0	19.3	0.0	19.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	848	421	6.7	0.0	6.7	
3	765 kV	JHARSUGUDA-DURG	2	49	192	0.0	1.1	-1.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	106	203	0.0	1.4	-1.4	
5	400 kV	RANCHI-SIPAT	2	227	128	1.7	0.0	1.7	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	134	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	2	151	0	2.2	0.0	2.2	
						ER-WR	29.8	4.5	25.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	422	0.0	8.9	-8.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	45.6	-45.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3046	0.0	56.9	-56.9	
4	400 kV	TALCHER-I/C	2	189	257	0.0	1.6	-1.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	111.3	-111.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	179	113	1.2	0.0	1.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	282	164	2.0	0.0	2.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	57	49	0.2	0.0	0.2	
						ER-NER	3.3	0.0	3.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	494	0	11.7	0.0	11.7	
						NER-NR	11.7	0.0	11.7
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	46.1	-46.1	
2	HVDC	VINDHYACHAL B/B	-	0	251	0.0	6.0	-6.0	
3	HVDC	MUNDRAM-SOHNERGARH	2	0	1922	0.0	45.9	-45.9	
4	765 kV	GWALIOR-AGRA	2	0	2524	0.0	45.3	-45.3	
5	765 kV	PHAGI-GWALIOR	2	0	1199	0.0	23.2	-23.2	
6	765 kV	JABALPUR-ORAI	2	595	912	0.0	30.6	-30.6	
7	765 kV	GWALIOR-ORAI	1	562	0	11.6	0.0	11.6	
8	765 kV	SATNA-ORAI	1	0	1419	0.0	29.7	-29.7	
9	765 kV	CHITORGARH-BANASKANTHA	2	1102	0	15.1	0.0	15.1	
10	400 kV	ZERDA-KANKROLI	1	279	0	5.0	0.0	5.0	
11	400 kV	ZERDA-BHINMAL	1	474	0	7.9	0.0	7.9	
12	400 kV	VINDHYACHAL-RIHAND	1	970	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUALPUR	2	0	379	0.0	5.4	-5.4	
14	220 kV	BHANPURA-RANPUR	1	0	89	0.0	1.4	-1.4	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2	
16	220 kV	MEHGAON-AURAIYA	1	64	16	0.1	0.2	-0.1	
17	220 kV	MALANPUR-AURAIYA	1	35	33	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	62.8	235.1	-172.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	16.0	-16.0	
2	HVDC	RAIGARH-PUGALUR	2	0	2007	0.0	28.5	-28.5	
3	765 kV	SOLAPUR-RAICHUR	2	714	2077	1.1	21.5	-20.4	
4	765 kV	WARDHA-NIZAMABAD	2	35	2295	0.0	31.4	-31.4	
5	400 kV	KOLHAPUR-KUDGI	2	543	218	4.7	0.3	4.4	
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	88	1.8	0.0	1.8	
						WR-SR	7.5	97.6	-90.1

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)	231	0	155	3.7
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	135	0	100	2.4
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	23	0	-11	-0.3
	NER	132KV-GEYLEGPHU - SALAKATI	29	6	16	0.4
	NER	132KV Motanga-Rangia	-3	-2	-2	-0.1
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-77	0	-70	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-342	-266	-342	-8.3
	ER	132KV-BIHAR - NEPAL	-303	-173	-246	-5.9
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	928	926	-927	-22.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	76	0	-64	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	76	0	-64	-1.5