



**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: 9<sup>th</sup> Apr 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 08.04.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अप्रैल-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 8<sup>th</sup> April 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: 09-Apr-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)	49995	53613	48086	22267	2498	176459
Peak Shortage (MW)	350	0	0	0	189	539
Energy Met (MU)	1007	1388	1215	506	45	4161
Hydro Gen (MU)	115	68	85	38	5	310
Wind Gen (MU)	13	52	33	-	-	98
Solar Gen (MU)*	51.72	35.35	99.70	4.31	0.16	191
Energy Shortage (MU)	7.13	0.00	0.19	0.00	1.56	8.88
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52390	60446	57396	23328	2878	182559
Time Of Maximum Demand Met (From NLDC SCADA)	18:12	14:49	10:23	00:03	18:18	10:23

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	0.00	8.41	8.41	76.14	15.45

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	5849	0	120.7	50.1	-0.8	139	0.00
	Haryana	6885	0	129.5	92.0	-1.0	158	0.04
	Rajasthan	10324	0	214.9	43.3	-0.8	245	0.00
	Delhi	3805	0	79.9	65.4	-2.5	56	0.00
	UP	18380	0	339.8	119.5	-0.3	592	0.00
	Uttarakhand	1870	0	38.5	23.3	0.4	131	0.69
	HP	1523	0	29.2	19.9	1.1	136	0.00
	J&K(UT) & Ladakh(UT)	2787	350	50.5	40.0	0.5	403	6.40
WR	Chhattisgarh	176	0	3.4	3.6	-0.3	9	0.00
	Gujarat	4736	0	114.1	55.2	-0.2	227	0.00
	Maharashtra	18903	0	407.9	89.7	3.3	672	0.00
	MP	11297	0	241.4	116.8	-0.6	560	0.00
	Goa	25644	0	566.4	167.1	3.1	1020	0.00
	DD	562	0	12.4	12.2	-0.3	109	0.00
	DNH	339	0	7.7	7.5	0.2	23	0.00
	AMNSIL	847	0	19.7	19.6	0.1	47	0.00
SR	Andhra Pradesh	838	0	17.9	1.2	0.2	268	0.00
	Telangana	10810	0	217.5	98.8	-1.2	538	0.00
	Karnataka	12478	0	263.4	135.7	0.4	646	0.00
	Kerala	14158	0	275.1	93.8	2.6	1043	0.00
	Tamil Nadu	4194	50	86.5	56.8	0.4	211	0.19
	Paducherry	16297	0	364.0	228.6	1.4	1036	0.00
	Bihar	434	0	8.9	9.2	-0.3	25	0.00
	DVC	5724	0	111.2	101.4	1.0	554	0.00
ER	Jharkhand	3411	0	72.5	-55.8	-0.5	201	0.00
	Odisha	1499	0	28.8	21.6	-1.2	141	0.00
	West Bengal	5081	0	105.4	43.2	-0.2	510	0.00
	Sikkim	8921	0	187.5	42.4	1.5	754	0.00
	Assam	79	0	1.0	1.5	-0.5	50	0.00
	Mizoram	117	2	2.0	1.6	0.3	39	0.01
NER	Manipur	1620	23	26.4	23.7	-0.3	138	1.50
	Meghalaya	203	3	2.5	2.3	0.2	55	0.02
	Nagaland	346	0	5.7	3.9	0.3	60	0.00
	Tripura	110	1	1.7	1.4	0.2	26	0.01
	Assam	117	1	2.0	1.5	0.4	47	0.02
	Tripura	260	1	4.7	3.5	0.6	82	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	1.8	-16.6	-21.8
Day Peak (MW)	304.0	-775.1	-1084.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	161.1	-312.3	199.0	-62.2	14.4	0.0
Actual(MU)	137.7	-308.2	202.1	-53.3	17.0	-4.8
OD/UD(MU)	-23.5	4.2	3.1	8.9	2.5	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5447	15465	6142	1958	1460	30473	49
State Sector	13467	9321	5925	3483	11	32207	51
Total	18914	24786	12067	5441	1471	62679	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	596	1426	684	554	17	3277	77
Lignite	21	9	44	0	0	75	2
Hydro	115	68	85	38	5	310	7
Nuclear	31	24	43	0	0	99	2
Gas, Naptha & Diesel	36	88	13	0	12	149	4
RES (Wind, Solar, Biomass & Others)	86	88	165	4	0	343	8
Total	885	1703	1033	597	34	4252	100

Share of RES in total generation (%)	9.71	5.15	15.97	0.73	0.47	8.07
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.21	10.56	28.29	7.16	14.46	17.68

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.076
Based on State Max Demands	1.099

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: 09-Apr-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	247	0.0	5.8	-5.8	
3	765 kV	GAYA-VARANASI	2	126	492	0.0	4.2	-4.2	
4	765 kV	SASARAM-FATEHPUR	1	167	128	1.7	0.0	1.7	
5	765 kV	GAYA-BALIA	1	0	438	0.0	6.4	-6.4	
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	5.3	-5.3	
7	400 kV	PUSAULI -ALLAHABAD	1	0	80	0.0	0.9	-0.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	440	381	0.6	0.0	0.6	
9	400 kV	PATNA-BALIA	4	124	642	0.0	6.4	-6.4	
10	400 kV	BIHARSHARIF-BALIA	2	233	147	0.5	0.0	0.5	
11	400 kV	MOTIHARI-GORAKHPUR	2	163	750	0.0	1.2	-1.2	
12	400 kV	BIHARSHARIF-VARANASI	2	118	164	0.0	0.5	-0.5	
13	220 kV	PUSAULI-SAHUPURI	1	43	99	0.0	0.7	-0.7	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	3.1	31.3	-28.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1197	0	22.6	0.0	22.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1187	0	15.1	0.0	15.1	
3	765 kV	JHARSUGUDA-DURG	2	277	125	2.2	0.0	2.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	79	242	0.0	0.9	-0.9	
5	400 kV	RANCHI-SIPAT	2	273	34	4.6	0.0	4.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	35	247	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	177	144	2.1	0.0	2.1	
						ER-WR	46.5	3.1	43.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	747	461	0.0	8.8	-8.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2479	0.0	48.8	-48.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2811	0.0	55.8	-55.8	
4	400 kV	TALCHER-I/C	2	233	662	0.0	4.2	-4.2	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	113.5	-113.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	23	289	0.0	2.5	-2.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	75	357	0.0	2.8	-2.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	19	81	0.0	0.4	-0.4	
						ER-NER	0.0	5.7	-5.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	467	0	11.1	0.0	11.1	
						NER-NR	11.1	0.0	11.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	35.5	-35.5	
2	HVDC	VINDHYACHAL B/B	-	308	0	7.3	0.0	7.3	
3	HVDC	MUNDA-MOHENDERGARH	2	0	1730	0.0	43.5	-43.5	
4	765 kV	GWALIOR-AGRA	2	0	2327	0.0	37.8	-37.8	
5	765 kV	PHAGI-GWALIOR	2	0	1045	0.0	17.0	-17.0	
6	765 kV	JABALPUR-ORAI	2	0	844	0.0	24.3	-24.3	
7	765 kV	GWALIOR-ORAI	1	559	0	10.6	0.0	10.6	
8	765 kV	SATNA-ORAI	1	0	1221	0.0	24.3	-24.3	
9	765 kV	CHITORGARH-BANASKANTHA	2	1281	0	0.0	13.6	-13.6	
10	400 kV	ZERDA-KANKROLI	1	350	0	4.4	0.0	4.4	
11	400 kV	ZERDA -BHINMAL	1	543	1	6.4	0.0	6.4	
12	400 kV	VINDHYACHAL -RIHAND	1	484	0	11.0	0.0	11.0	
13	400 kV	RAPT-SHILAI PUR	1	260	375	0.0	1.2	-1.2	
14	220 kV	BHANPURA-RANPUR	1	30	85	0.1	0.6	-0.5	
15	220 kV	BHANPURA-MORAK	1	0	30	0.4	0.4	0.0	
16	220 kV	MEHGAON-AURAIYA	1	118	0	0.8	0.0	0.8	
17	220 kV	MALANPUR-AURAIYA	1	80	0	1.4	0.0	1.4	
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	42.3	198.2	-155.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	20.7	-20.7	
2	HVDC	RAIGARH-PUGAUR	2	0	3017	0.0	60.5	-60.5	
3	765 kV	SOLAPUR-RAICHUR	2	0	2168	0.0	27.5	-27.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	2720	0.0	42.7	-42.7	
5	400 kV	KOLHAPUR-KUDGI	2	877	0	14.3	0.0	14.3	
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	91	1.9	0.0	1.9	
						WR-SR	16.2	151.4	-135.2
<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)	77	0	38	0.9			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	145	51	53	1.3			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	68	0	-25	-0.6			
	NER	132KV-GEYLEGPHU - SALAKATI	9	-38	9	0.2			
NEPAL	NER	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-80	0	-73	-1.8			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-368	-212	-316	-7.6			
	ER	132KV-BIHAR - NEPAL	-327	-273	-303	-7.3			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-921	-728	-770	-18.5			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	82	0	-70	-1.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	81	0	-70	-1.7			