



**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: 08<sup>th</sup> March 2022

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 07.03.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मार्च -2022 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 07<sup>th</sup> March 2022, 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: 08-Mar-2022

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	49236	58489	46432	20802	2619	177578
Peak Shortage (MW)	580	0	0	681	0	1261
Energy Met (MU)	1036	1392	1154	428	46	4056
Hydro Gen (MU)	132	45	100	31	9	317
Wind Gen (MU)	16	59	64	-	-	139
Solar Gen (MU)*	93.08	43.33	106.39	5.35	0.49	249
Energy Shortage (MU)	8.71	0.08	0.00	4.58	0.00	13.37
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51761	64503	56011	21081	2696	192104
Time Of Maximum Demand Met (From NLDC SCADA)	11:49	11:49	11:54	18:23	18:05	11:49

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	0.39	8.63	9.03	76.77	14.20

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	6926	0	129.9	42.0	0.1	117	0.65
	Haryana	7184	73	130.5	79.2	0.9	216	1.81
	Rajasthan	15023	0	269.3	46.3	-2.4	442	0.00
	Delhi	3673	0	63.9	55.2	-0.5	363	0.00
	UP	17673	0	315.1	97.0	-0.1	450	0.00
	Uttarakhand	2085	0	36.5	23.4	0.9	162	1.60
	HP	1824	0	32.4	23.5	0.8	218	0.00
	J&K(UT) & Ladakh(UT)	2716	300	55.5	50.4	-1.5	173	4.65
	Chandigarh	200	0	3.2	3.8	-0.6	5	0.00
	WR	Chhattisgarh	4636	0	106.8	44.1	-0.3	407
Gujarat		17771	0	386.8	208.4	1.8	937	0.00
MP		13670	0	277.2	153.9	-2.2	462	0.00
Maharashtra		26438	0	563.9	181.3	-3.1	515	0.00
Goa		624	0	12.9	12.1	0.3	61	0.08
DD		351	0	7.7	7.2	0.5	90	0.00
DNH		874	0	20.1	20.0	0.1	123	0.00
SR	AMNSIL	758	0	16.7	11.9	1.0	259	0.00
	Andhra Pradesh	11212	0	215.5	94.1	2.8	1039	0.00
	Telangana	12953	0	263.0	118.2	-0.7	555	0.00
	Karnataka	14252	0	268.1	96.2	-0.2	558	0.00
	Kerala	4072	0	84.2	58.6	-0.4	343	0.00
	Tamil Nadu	14944	0	315.9	197.8	-0.8	497	0.00
	Puducherry	377	0	7.3	7.4	-0.2	46	0.00
ER	Bihar	4757	0	85.0	79.0	0.4	309	0.78
	DVC	3409	0	72.4	-60.2	-1.3	250	0.00
	Jharkhand	1398	0	25.4	18.6	-0.2	444	3.80
	Odisha	5326	0	110.4	40.6	-0.5	375	0.00
	West Bengal	6937	0	133.4	1.2	-1.0	372	0.00
NER	Sikkim	110	0	1.7	1.9	-0.2	8	0.00
	Arunachal Pradesh	143	0	2.3	2.6	-0.5	16	0.00
	Assam	1571	0	26.3	22.0	0.8	139	0.00
	Manipur	211	0	2.8	2.9	-0.1	58	0.00
	Meghalaya	362	0	6.6	5.9	-0.1	37	0.00
	Mizoram	101	0	1.6	1.5	-0.4	3	0.00
	Nagaland	148	0	2.3	2.2	0.0	11	0.00
	Tripura	240	0	3.8	0.6	-0.4	52	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.1	-11.4	-17.8
Day Peak (MW)	-119.0	-682.8	-735.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	102.5	-123.8	198.5	-177.2	0.0	0.0
Actual(MU)	81.5	-113.2	214.8	-181.8	-3.1	-1.8
O/D/U/D(MU)	-21.1	10.6	16.3	-4.6	-3.1	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6280	14030	7022	1781	540	29653	45
State Sector	9734	16104	9278	1810	11	36937	55
Total	16014	30133	16300	3591	551	66590	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	640	1314	537	614	15	3120	75
Lignite	25	15	33	0	0	74	2
Hydro	132	45	100	31	9	317	8
Nuclear	28	33	70	0	0	132	3
Gas, Naptha & Diesel	11	14	9	0	27	61	1
RES (Wind, Solar, Biomass & Others)	134	104	203	5	0	447	11
Total	971	1525	952	651	51	4151	100
Share of RES in total generation (%)	13.81	6.82	21.31	0.82	0.96	10.77	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.34	11.95	39.18	5.55	17.90	21.57	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.067

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: 08-Mar-2022

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	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	741	0.0	10.9	-10.9	
4	765 kV	SASARAM-FATEHPUR	1	0	477	0.0	9.0	-9.0	
5	765 kV	GAYA-BALIA	1	0	661	0.0	13.2	-13.2	
6	400 kV	PUSAULI-VARANASI	1	0	131	0.0	1.6	-1.6	
7	400 kV	PUSAULI-ALLAHABAD	1	14	162	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	839	0.0	10.4	-10.4	
9	400 kV	PATNA-BALIA	4	0	879	0.0	16.3	-16.3	
10	400 kV	BIHARSHARIFF-BALIA	2	0	775	0.0	10.4	-10.4	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	398	0.0	5.0	-5.0	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	379	0.0	5.6	-5.6	
13	220 kV	SAHUPURI-KAMANASA	1	0	195	0.0	2.2	-2.2	
14	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.0	0.0	
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	0.3	86.0	-85.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	535	538	1.9	0.0	1.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	100	861	0.0	11.3	-11.3	
3	765 kV	JHARSUGUDA-DURG	2	0	602	0.0	10.2	-10.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	579	0.0	9.6	-9.6	
5	400 kV	RANCHI-SIPAT	2	0	269	0.0	3.4	-3.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	171	0.0	3.1	-3.1	
7	220 kV	BUDHIPADAR-KORBA	2	104	12	1.2	0.0	1.2	
						ER-WR	3.1	37.6	-34.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	550	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1990	0.0	46.6	-46.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2969	0.0	61.3	-61.3	
4	400 kV	TALCHER-I/C	2	413	197	0.0	1.2	-1.2	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	120.2	-120.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	363	0	5.4	0.0	5.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	413	0	6.6	0.0	6.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	84	0	1.1	0.0	1.1	
						ER-NER	13.1	0.0	13.1
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALL-AGRA	2	469	0	9.9	0.0	9.9	
						NER-NR	9.9	0.0	9.9
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	350	0.0	6.3	-6.3	
2	HVDC	VINDHYACHAL B/B	-	226	103	3.2	0.0	3.2	
3	HVDC	MUNDRAMOHINDERGARH	2	0	253	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	151	1294	0.0	15.4	-15.4	
5	765 kV	GWALIOR-PHAGI	2	0	1304	0.0	17.1	-17.1	
6	765 kV	JABALPUR-ORAI	2	0	726	0.0	18.6	-18.6	
7	765 kV	GWALIOR-ORAI	1	684	0	13.1	0.0	13.1	
8	765 kV	SATNA-ORAI	1	0	883	0.0	16.4	-16.4	
9	765 kV	BANASKANTHA-CHITORGARH	2	2332	0	40.2	0.0	40.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2170	0.0	30.7	-30.7	
11	400 kV	ZERDA-KANKROLI	1	446	0	8.2	0.0	8.2	
12	400 kV	ZERDA -BHINMAL	1	720	0	10.9	0.0	10.9	
13	400 kV	VINDHYACHAL -RIHAND	1	972	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHULPUR	2	602	121	5.2	0.2	5.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7	
17	220 kV	MEHGAON-AURAIYA	1	123	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	78	0	2.0	0.0	2.0	
19	132 kV	GWALIOR-SAWAIMADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	106.1	111.6	-5.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1029	0.0	18.1	-18.1	
2	HVDC	RAIGARH-PUGALUR	2	0	5022	0.0	75.2	-75.2	
3	765 kV	SOLAPUR-RAICHUR	2	1122	1784	1.4	22.7	-21.3	
4	765 kV	WARDHA-NIZAMABAD	2	0	3008	0.0	50.2	-50.2	
5	400 kV	KOLHAPUR-KUDGI	2	1476	0	20.4	0.0	20.4	
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	106	2.0	0.0	2.0	
						WR-SR	23.8	166.1	-142.4

INTERNATIONAL EXCHANGES			Import(+ve)/Export(-ve) Energy Exchange (MU)			
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	213	0	74	1.8
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	0	0	0	0.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0
	NER	132kV GELEPHU-SALAKATI	-26	-2	-8	-0.2
	NER	132kV MOTANGA-RANGIA	38	0	3	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.4
	ER	NEPAL IMPORT (FROM BIHAR)	-265	-43	-150	-3.6
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-341	17	-265	-6.4
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-735	-733	-735	-17.6
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	0	0	0	-0.1