



**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: 05<sup>th</sup> Feb 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 04.02.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-फरवरी-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 04<sup>th</sup> February 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: 05-Feb-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)	54060	56802	41459	18222	2270	172813
Peak Shortage (MW)	250	0	2200	145	0	2595
Energy Met (MU)	1062	1327	1034	360	44	3827
Hydro Gen (MU)	96	34	91	23	8	253
Wind Gen (MU)	14	39	36	-	-	88
Solar Gen (MU)*	77.13	45.29	116.34	4.37	0.11	243
Energy Shortage (MU)	4.65	0.05	22.13	1.72	0.00	28.55
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55465	63975	53192	18533	2281	189026
Time Of Maximum Demand Met (From NLDC SCADA)	11:47	11:43	11:29	18:47	08:03	10:29

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	0.033	0.00	0.00	2.81	2.81	73.13	24.06

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	7111	0	124.8	39.0	-1.5	64	0.00
	Haryana	6570	0	125.9	77.4	1.3	239	0.00
	Rajasthan	15594	0	282.1	66.6	0.7	392	0.00
	Delhi	4796	0	77.4	66.0	-1.2	281	0.00
	UP	18106	0	304.0	85.5	-0.9	667	0.00
	Uttarakhand	2243	0	43.8	33.4	0.8	295	0.00
	HP	1967	0	35.4	26.5	1.2	319	0.00
	J&K(UT) & Ladakh(UT)	3207	250	63.7	57.2	1.1	146	4.65
	Chandigarh	260	0	4.5	4.5	0.0	30	0.00
	Chhattisgarh	4003	0	87.5	32.9	0.3	285	0.00
WR	Gujarat	16586	0	366.7	220.0	1.0	646	0.00
	MP	15504	0	299.1	177.2	-0.7	475	0.00
	Maharashtra	25671	0	514.9	148.7	-2.8	526	0.00
	Goa	574	0	11.9	11.5	0.1	74	0.05
	DD	341	0	7.6	7.3	0.3	68	0.00
	DNH	853	0	19.7	19.5	0.2	106	0.00
	AMNSIL	859	0	19.1	9.9	-0.2	265	0.00
	Andhra Pradesh	10386	850	171.9	54.2	8.2	1483	22.13
	Telangana	11818	0	211.6	72.4	-1.7	670	0.00
	Karnataka	13100	0	241.3	94.6	-0.4	751	0.00
SR	Kerala	3810	0	78.3	59.4	-0.2	244	0.00
	Tamil Nadu	15589	0	323.7	194.4	-0.5	478	0.00
	Puducherry	371	0	7.6	7.8	-0.3	34	0.00
	Bihar	4246	0	62.3	52.7	0.0	597	0.63
	DVC	3695	0	66.6	-36.2	-0.6	347	0.00
	Jharkhand	1412	0	23.2	18.0	-1.3	301	1.10
	Odisha	5101	0	96.2	34.3	-0.4	339	0.00
	West Bengal	5431	0	109.9	-2.6	-0.9	508	0.00
	Sikkim	111	0	1.9	2.2	-0.3	19	0.00
	NER	Arunachal Pradesh	149	0	2.6	2.7	-0.2	14
Assam		1191	0	23.8	18.3	-0.3	150	0.00
Manipur		240	0	3.2	3.7	-0.5	21	0.00
Meghalaya		377	0	7.5	6.3	0.0	36	0.00
Mizoram		134	0	1.7	1.8	-0.4	14	0.00
Nagaland		140	0	2.2	2.3	-0.2	21	0.00
Tripura		195	0	3.4	1.6	-0.5	62	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.8	-7.3	-18.5
Day Peak (MW)	-256.0	-589.8	-846.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	177.8	-105.6	100.6	-172.9	0.1	0.0
Actual(MU)	152.0	-100.3	135.9	-191.7	-1.8	-5.8
O/D/U/D(MU)	-25.9	5.3	35.4	-18.8	-1.8	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5384	11963	6562	1146	369	25424	39
State Sector	8865	16421	9693	4110	11	39100	61
Total	14250	28383	16255	5256	380	64523	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	648	1294	515	559	13	3028	77
Lignite	26	12	47	0	0	84	2
Hydro	96	34	91	23	8	253	6
Nuclear	30	21	70	0	0	121	3
Gas, Naptha & Diesel	15	12	9	0	29	65	2
RES (Wind, Solar, Biomass & Others)	115	85	181	4	0	386	10
Total	929	1460	912	586	51	3937	100

Share of RES in total generation (%)	12.37	5.86	19.84	0.75	0.22	9.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	25.98	9.65	37.46	4.62	16.83	19.29

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
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: 05-Feb-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	931	0.0	15.8	-15.8
4	765 kV	SASARAMI-FATEHPUR	1	0	647	0.0	11.1	-11.1
5	765 kV	GAYA-BALIA	1	0	597	0.0	7.3	-7.3
6	400 kV	PUSAULLY-VARANASI	1	0	123	0.0	1.5	-1.5
7	400 kV	PUSAULI-ALLAHABAD	1	26	162	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	918	0.0	10.1	-10.1
9	400 kV	PATNA-BALIA	4	0	1555	0.0	24.9	-24.9
10	400 kV	BIHARSHARIFF-BALIA	2	0	699	0.0	7.5	-7.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	588	0.0	9.4	-9.4
12	400 kV	BIHARSHARIFF-VARANASI	2	0	480	0.0	7.6	-7.6
13	220 kV	SAHUPURI-KARAMNANA	1	6	115	0.0	1.3	-1.3
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	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-CHANDALI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.3</b>	<b>98.2</b>	<b>-97.9</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	525	640	0.0	1.0	-1.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1353	0.0	17.8	-17.8
3	765 kV	JHARSUGUDA-DURG	2	0	424	0.0	5.7	-5.7
4	400 kV	JHARSUGUDA-RAIGARH	4	59	332	0.0	3.6	-3.6
5	400 kV	RANCHI-SIPAT	2	0	317	0.0	3.7	-3.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	123	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	139	0	1.4	0.0	1.4
<b>ER-WR</b>						<b>1.4</b>	<b>33.2</b>	<b>-31.9</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEVPORE-GAZIWAKA B/B	2	0	443	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	44.9	-44.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2741	0.0	52.4	-52.4
4	400 kV	TALCHER-IC	2	0	712	0.0	12.7	-12.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>107.2</b>	<b>-107.2</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	404	0	4.3	0.0	4.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	574	0	7.2	0.0	7.2
3	220 kV	ALIPURDUAR-SALAKATI	2	112	0	1.2	0.0	1.2
<b>ER-NER</b>						<b>12.7</b>	<b>0.0</b>	<b>12.7</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	489	0	11.6	0.0	11.6
<b>NER-NR</b>						<b>11.6</b>	<b>0.0</b>	<b>11.6</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3099	0.0	46.4	-46.4
2	HVDC	VINDHYACHAL B/B	-	318	0	3.8	0.0	3.8
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	128	0.0	3.1	-3.1
4	765 kV	GWALIOR-AGRA	2	0	1790	0.0	19.5	-19.5
5	765 kV	GWALIOR-PHAGI	2	0	2111	0.0	33.8	-33.8
6	765 kV	JABALPUR-ORAI	2	0	977	0.0	24.9	-24.9
7	765 kV	GWALIOR-ORAI	1	1028	0	16.7	0.0	16.7
8	765 kV	SATNA-ORAI	1	0	1129	0.0	20.2	-20.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1888	0	37.3	0.0	37.3
10	765 kV	VINDHYACHAL-VARANASI	2	125	1590	0.0	12.7	-12.7
11	400 kV	ZERDA-KANKROLI	1	423	0	7.5	0.0	7.5
12	400 kV	ZERDA-BHINMAL	1	600	0	8.9	0.0	8.9
13	400 kV	VINDHYACHAL-RIHAND	1	486	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUALPUR	2	370	345	1.7	1.9	-0.3
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	2.2	0.0	2.2
17	220 kV	MEHGAON-AURAIYA	1	148	0	1.7	0.0	1.7
18	220 kV	MALANPUR-AURAIYA	1	106	0	2.6	0.0	2.6
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>93.4</b>	<b>162.4</b>	<b>-69.0</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	315	0.0	7.4	-7.4
2	HVDC	RAIGARH-PUGALUR	2	0	1501	0.0	18.3	-18.3
3	765 kV	SOLAPUR-RAICHUR	2	463	1733	0.7	17.7	-17.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2371	0.0	37.2	-37.2
5	400 kV	KOLHAPUR-KUDGI	2	1033	0	16.0	0.0	16.0
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	73	1.0	0.0	1.0
<b>WR-SR</b>						<b>17.6</b>	<b>80.4</b>	<b>-62.8</b>

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

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)	150	0	19	0.5
	ER	400kV TALA-BINAGURI 1,2,4 & 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	-14	-0.3
	NER	132kV MOTANGA-RANGIA	-23	-4	-5	-0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-63	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	-160	0	-16	-0.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-352	55	-224	-5.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-770	-604	-699	-16.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-76	0	-70	-1.7