



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 28<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 27.02.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-फ़रवरी-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 27<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: 28-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)	46707	55017	42457	19323	2459	165963
Peak Shortage (MW)	250	0	0	118	0	368
Energy Met (MU)	981	1343	1102	401	43	3869
Hydro Gen (MU)	125	40	75	24	8	272
Wind Gen (MU)	37	80	58	-	-	176
Solar Gen (MU)*	91.42	46.33	122.55	5.06	0.37	266
Energy Shortage (MU)	4.65	0.00	0.00	0.53	0.00	5.18
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49182	62565	54453	19511	2552	183758
Time Of Maximum Demand Met (From NLDC SCADA)	07:50	11:43	10:52	18:46	18:07	10:57

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	0.031	0.00	0.00	3.12	3.12	75.14	21.73

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	6397	0	123.4	41.0	-0.3	163	0.00
	Haryana	5512	0	106.3	61.0	0.2	201	0.00
	Rajasthan	15150	0	273.2	45.9	-1.9	320	0.00
	Delhi	3577	0	59.0	47.6	-0.9	123	0.00
	UP	16301	0	290.9	98.9	-0.2	451	0.00
	Uttarakhand	2016	0	36.5	23.1	0.0	100	0.00
	HP	1770	0	30.9	23.4	0.0	142	0.00
	J&K(UT) & Ladakh(UT)	3134	250	58.0	47.5	2.6	608	4.65
WR	Chhattisgarh	187	0	3.0	3.8	-0.8	0	0.00
	Chhattisgarh	4457	0	102.4	36.3	-0.7	165	0.00
	Gujarat	16571	0	361.8	209.1	-3.3	563	0.00
	MP	14110	0	285.9	177.0	-3.3	987	0.00
	Maharashtra	25462	0	537.3	172.1	2.7	620	0.00
	Goa	564	0	11.4	11.1	-0.1	31	0.00
	DD	323	0	7.5	7.0	0.5	39	0.00
	DNH	840	0	19.7	19.5	0.2	54	0.00
SR	AMNSIL	754	0	17.0	4.6	-1.1	166	0.00
	Andhra Pradesh	11043	0	206.2	78.3	0.7	595	0.00
	Telangana	12671	0	243.7	103.4	-0.7	364	0.00
	Karnataka	13826	0	253.1	88.4	-0.6	826	0.00
	Kerala	3795	0	77.2	59.6	0.0	444	0.00
	Tamil Nadu	14732	0	314.2	193.7	-2.4	479	0.00
	Puducherry	336	0	7.3	7.5	-0.3	30	0.00
ER	Bihar	4662	0	80.6	70.5	1.9	245	0.29
	DVC	3270	0	70.6	-43.1	-0.6	230	0.00
	Jharkhand	1447	0	28.2	18.8	-0.5	136	0.24
	Odisha	5380	0	108.7	45.3	-0.6	350	0.00
	West Bengal	5594	0	111.0	-8.0	-0.3	267	0.00
NER	Sikkim	98	0	1.6	1.8	-0.2	9	0.00
	Arunachal Pradesh	157	0	2.1	2.7	-0.7	15	0.00
	Assam	1396	0	24.0	18.2	-0.1	81	0.00
	Manipur	209	0	2.9	3.2	-0.3	20	0.00
	Meghalaya	359	0	6.8	6.0	0.0	44	0.00
	Mizoram	108	0	1.7	1.7	-0.2	22	0.00
	Nagaland	134	0	1.9	2.0	-0.2	28	0.00
	Tripura	218	0	3.5	2.4	-0.4	20	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.2	-12.1	-19.6
Day Peak (MW)	-292.0	-592.7	-842.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	97.0	-108.0	139.6	-132.4	3.8	0.0
Actual(MU)	72.0	-93.2	159.5	-144.9	3.0	-3.6
O/D/U/D(MU)	-25.0	14.8	19.9	-12.5	-0.7	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7160	12390	6912	2481	275	29218	43
State Sector	10459	17564	7718	3490	11	39242	57
Total	17619	29953	14630	5971	286	68460	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	566	1236	543	560	8	2913	73
Lignite	27	11	42	0	0	79	2
Hvdro	125	40	75	24	8	272	7
Nuclear	33	33	67	0	0	133	3
Gas, Naptha & Diesel	15	13	8	0	29	65	2
RES (Wind, Solar, Biomass & Others)	157	128	219	5	0	508	13
Total	922	1460	955	589	45	3971	100
Share of RES in total generation (%)	17.01	8.74	22.90	0.86	0.82	12.80	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.14	13.75	37.80	4.93	18.22	23.01	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.070

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: 28-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-BB	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	763	0.0	10.4	-10.4
4	765 kV	SASARAM-FATEHPUR	1	0	509	0.0	9.2	-9.2
5	765 kV	GAYA-BALIA	1	0	485	0.0	7.1	-7.1
6	400 kV	PUSAULI-VARANASI	1	0	119	0.0	2.0	-2.0
7	400 kV	PUSAULI-ALLAHABAD	1	0	168	0.0	2.0	-2.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	17	626	0.0	5.8	-5.8
9	400 kV	PATNA-BALIA	4	0	636	0.0	9.1	-9.1
10	400 kV	BIHARSHARIFE-BALIA	2	32	434	0.0	3.1	-3.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	408	0.0	5.4	-5.4
12	400 kV	BIHARSHARIFE-VARANASI	2	0	350	0.0	4.3	-4.3
13	220 kV	SAHUPURI-KARAMANASA	1	0	113	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	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-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	59.7	-59.4
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	427	205	3.4	0.0	3.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	252	732	0.0	8.4	-8.4
3	765 kV	JHARSUGUDA-DURG	2	0	454	0.0	7.4	-7.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	555	0.0	9.1	-9.1
5	400 kV	RANCHI-SIPAT	2	63	238	0.0	2.7	-2.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	159	0.0	2.6	-2.6
7	220 kV	BUDHIPADAR-KORBA	2	73	9	0.8	0.0	0.8
						ER-WR	4.2	-25.9
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	391	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	46.0	-46.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2843	0.0	58.3	-58.3
4	400 kV	TALCHER-I/C	2	420	295	0.0	1.1	-1.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	112.9	-112.9
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	294	23	2.6	0.0	2.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	378	0	4.6	0.0	4.6
3	220 kV	ALIPURDUAR-SALAKATI	2	75	0	0.9	0.0	0.9
						ER-NER	8.0	8.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARALI-AGRA	2	470	0	11.7	0.0	11.7
						NER-NR	11.7	11.7
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	351	0.0	8.4	-8.4
2	HVDC	VINDHYACHAL-B/B	-	45	2	0.6	0.0	0.6
3	HVDC	MUNDA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1520	0.0	14.4	-14.4
5	765 kV	GWALIOR-PHAGI	2	0	1621	0.0	22.3	-22.3
6	765 kV	JABALPUR-ORAI	2	0	647	0.0	16.2	-16.2
7	765 kV	GWALIOR-ORAI	1	808	0	14.3	0.0	14.3
8	765 kV	SATNA-ORAI	1	0	842	0.0	16.2	-16.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1820	0	30.6	0.0	30.6
10	765 kV	VINDHYACHAL-VARANASI	2	0	2063	0.0	25.8	-25.8
11	400 kV	ZERDA-KANKROLI	1	400	0	6.4	0.0	6.4
12	400 kV	ZERDA-JHINMAL	1	632	0	10.0	0.0	10.0
13	400 kV	VINDHYACHAL-RIHAND	1	472	0	10.7	0.0	10.7
14	400 kV	RAMP-SHILAIIPUR	2	874	243	9.0	0.3	8.7
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	126	0	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	87	0	2.1	0.0	2.1
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
						WR-NR	109.8	-24.8
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	19.2	-19.2
2	HVDC	RAIGARH-PUGALUR	2	0	2503	0.0	35.9	-35.9
3	765 kV	SOLAPUR-RAICHUR	2	574	1718	1.6	15.7	-14.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2506	0.0	43.2	-43.2
5	400 kV	KOLHAPUR-KUDGI	2	1017	0	16.4	0.0	16.4
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	103	1.9	0.0	1.9
						WR-SR	113.9	-94.1

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	155	0	30	0.7
	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	-16	-3	-10	-0.2
	NER	132kV MOTANGA-RANGIA	-12	0	-4	-0.1
NEPAL	ER	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-70	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-152	0	-98	-2.3
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-362	-41	-337	-8.1
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-736	-680	-720	-17.3
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-106	0	-99	-2.4