



**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: 15<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 14.02.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14<sup>th</sup> February 2022, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 15-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)	51897	56767	42246	20059	2675	173644
Peak Shortage (MW)	250	0	0	254	0	504
Energy Met (MU)	1036	1328	1057	407	46	3875
Hydro Gen (MU)	105	40	89	27	8	270
Wind Gen (MU)	6	45	41	-	-	92
Solar Gen (MU)*	88.04	45.71	108.91	5.29	0.48	248
Energy Shortage (MU)	4.66	0.00	2.24	2.22	0.00	9.12
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53116	63862	54241	20271	2687	190159
Time Of Maximum Demand Met (From NLDC SCADA)	18:58	11:24	10:30	18:49	18:03	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	0.035	0.00	0.91	5.30	6.21	78.58	15.21

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	6661	0	124.5	39.9	-0.9	129	0.00
	Haryana	6548	0	126.2	74.6	0.3	164	0.00
	Rajasthan	15410	0	277.1	92.4	0.7	424	0.00
	Delhi	3939	0	65.1	54.7	-2.0	127	0.01
	UP	17985	0	315.1	94.1	0.1	344	0.00
	Uttarakhand	1821	0	32.3	21.7	0.6	256	0.00
	HP	1887	0	32.4	24.7	0.1	317	0.00
	J&K(UT) & Ladakh(UT)	2950	250	60.1	54.1	0.8	229	4.65
WR	Chandigarh	224	0	3.5	3.8	-0.3	28	0.00
	Chhattisgarh	4417	0	92.3	35.4	-0.5	200	0.00
	Gujarat	16897	0	362.3	211.6	3.7	654	0.00
	MP	14749	0	293.4	180.5	-1.3	496	0.00
	Maharashtra	25511	0	525.4	150.8	-4.0	730	0.00
	Goa	501	0	10.7	9.7	0.7	47	0.00
	DD	333	0	7.3	7.0	0.3	36	0.00
	DNH	858	0	19.6	19.4	0.2	52	0.00
SR	AMNSIL	773	0	17.4	5.2	-1.0	158	0.00
	Andhra Pradesh	10603	0	194.1	65.5	2.6	1153	2.24
	Telangana	11581	0	218.0	94.1	0.5	688	0.00
	Karnataka	13814	0	250.6	102.4	-0.6	781	0.00
	Kerala	3974	0	79.7	57.7	-0.2	243	0.00
	Tamil Nadu	14806	0	307.5	178.1	-1.6	380	0.00
	Puducherry	353	0	7.3	7.5	-0.3	24	0.00
	ER	Bihar	4843	0	82.4	69.9	-0.2	443
DVC		3211	0	68.4	40.9	0.2	535	0.00
Jharkhand		1448	0	29.3	18.6	0.8	203	2.17
Odisha		5686	0	107.7	43.5	-1.5	498	0.00
West Bengal		6137	0	117.3	9.9	-0.4	543	0.00
Sikkim		114	0	1.8	2.0	-0.3	43	0.00
NER	Arunachal Pradesh	153	0	2.5	2.7	-0.3	36	0.00
	Assam	1475	0	25.1	18.3	0.2	99	0.00
	Manipur	236	0	3.4	3.5	-0.1	58	0.00
	Meghalaya	397	0	7.2	6.5	-0.2	51	0.00
	Mizoram	128	0	2.0	1.8	-0.2	14	0.00
	Nagaland	148	0	2.6	2.3	0.2	28	0.00
	Tripura	223	0	3.6	2.4	-0.1	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.8	-10.0	-20.0
Day Peak (MW)	-278.0	-583.5	-862.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	170.5	-115.4	110.0	-165.7	0.6	0.0
Actual(MU)	153.9	-105.7	117.6	-165.5	-1.0	-0.7
OD/UD(MU)	-16.6	9.7	7.5	0.2	-1.5	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6196	13480	6112	1856	424	28067	41
State Sector	11204	16108	9283	3175	11	39781	59
Total	17400	29587	15395	5031	435	67848	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	613	1273	556	582	14	3039	76
Lignite	23	14	44	0	0	80	2
Hydro	105	40	89	27	8	270	7
Nuclear	33	21	69	0	0	123	3
Gas, Naptha & Diesel	13	13	10	0	29	65	2
RES (Wind, Solar, Biomass & Others)	122	92	186	5	0	405	10
Total	909	1454	953	615	52	3983	100

Share of RES in total generation (%)	13.40	6.34	19.46	0.85	0.92	10.17
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	28.62	10.56	36.09	5.22	16.63	20.05

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.056

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: 15-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	770	0.0	11.4	-11.4	
4	765 kV	SASARAM-FATEHPUR	1	0	508	0.0	10.0	-10.0	
5	765 kV	GAYA-BALIA	1	0	600	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	1	33	60	0.0	0.8	-0.8	
7	400 kV	PUSAULI-ALLAHABAD	1	20	141	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	720	0.0	7.4	-7.4	
9	400 kV	PATNA-BALIA	4	0	1530	0.0	26.9	-26.9	
10	400 kV	BIHARSHARIF-BALIA	2	0	675	0.0	9.3	-9.3	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	486	0.0	7.3	-7.3	
12	400 kV	BIHARSHARIF-VARANASI	2	0	387	0.0	5.7	-5.7	
13	220 kV	SAHPURI-KARAMANASA	1	3	118	0.0	1.3	-1.3	
14	132 kV	SONENAGAR-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-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	91.4	-91.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	560	617	0.4	0.0	0.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1173	0.0	12.6	-12.6	
3	765 kV	JHARSUGUDA-DURG	2	0	281	0.0	3.1	-3.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	92	447	0.0	4.7	-4.7	
5	400 kV	RANCHI-SIPAT	2	27	306	0.0	2.8	-2.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	17	109	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	100	0	1.4	0.0	1.4	
						ER-WR	1.9	24.3	-22.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	448	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1990	0.0	44.5	-44.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3180	0.0	54.1	-54.1	
4	400 kV	TALCHER/JC	2	484	456	0.0	0.3	-0.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	108.4	-108.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	378	0	4.1	0.0	4.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	548	0	6.8	0.0	6.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	96	0	1.1	0.0	1.1	
						ER-NER	11.9	0.0	11.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	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	2034	0.0	36.9	-36.9	
2	HVDC	VINDHYACHAL B/B	-	0	247	0.0	2.0	-2.0	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	129	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	368	1695	0.0	16.2	-16.2	
5	765 kV	GWALIOR-PHAGI	2	0	2361	0.0	33.0	-33.0	
6	765 kV	JABALPUR-ORAI	2	0	855	0.0	21.0	-21.0	
7	765 kV	GWALIOR-ORAI	1	1116	0	18.2	0.0	18.2	
8	765 kV	SATNA-ORAI	1	0	946	0.0	17.1	-17.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	2262	0	38.5	0.0	38.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2175	0.0	32.2	-32.2	
11	400 kV	ZERDA-KANKROLI	1	418	0	7.3	0.0	7.3	
12	400 kV	ZERDA-BHINMAL	1	581	0	7.1	0.0	7.1	
13	400 kV	VINDHYACHAL-RIHAND	1	489	0	11.1	0.0	11.1	
14	400 kV	RAPP-SHUJALPUR	2	530	391	0.7	0.0	0.7	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	2.7	0.0	2.7	
17	220 kV	MEHGAON-AURAIYA	1	144	0	1.4	0.0	1.4	
18	220 kV	MALANPUR-AURAIYA	1	101	0	2.3	0.0	2.3	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	89.3	161.5	-72.2
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.1	-16.1	
2	HVDC	RAIGARH-PUGALUR	2	702	1000	0.0	10.0	-10.0	
3	765 kV	SOLAPUR-RAICHUR	2	521	2049	0.0	14.9	-14.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2777	0.0	39.1	-39.1	
5	400 kV	KOLHAPUR-KUDGI	2	1427	0	22.9	0.0	22.9	
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	70	1.3	0.0	1.3	
						WR-SR	24.3	80.1	-55.8

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Import(+ve)/Export(-ve)	
					Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	154	0	32	0.8
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW) 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	20	0	12	0.3
	NER	132kV MOTANGA-RANGIA	9	-7	2	0.1
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-68	-1.6
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-150	0	-63	-1.5
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-357	-78	-286	-6.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-754	-634	-739	-17.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-108	0	-93	-2.2