



**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: 23<sup>rd</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 22.02.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22<sup>nd</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: 23-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)	50828	57930	45967	20678	2617	178020
Peak Shortage (MW)	250	0	0	207	0	457
Energy Met (MU)	1027	1365	1139	425	47	4003
Hydro Gen (MU)	114	56	107	26	9	312
Wind Gen (MU)	60	83	27	-	-	169
Solar Gen (MU)*	84.95	49.33	112.27	5.29	0.45	252
Energy Shortage (MU)	5.73	0.00	0.44	1.76	0.00	7.93
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52251	64292	56236	20868	2635	192057
Time Of Maximum Demand Met (From NLDC SCADA)	10:43	11:28	11:47	18:25	18:00	10:43

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	0.071	1.63	2.40	4.40	8.42	69.92	21.65

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	6942	0	126.2	43.1	-1.5	234	0.00
	Haryana	6651	0	127.4	72.2	-0.6	164	0.74
	Rajasthan	15585	0	269.9	23.8	-2.1	595	0.00
	Delhi	3756	0	63.2	51.8	-1.0	164	0.00
	UP	17845	0	307.5	89.9	0.0	1053	0.00
	Uttarakhand	2046	0	39.0	26.6	-0.1	220	0.32
	HP	1922	0	33.9	25.7	0.3	281	0.02
	J&K(UT) & Ladakh(UT)	2902	300	58.6	53.8	-0.3	188	4.65
WR	Chhattisgarh	103	0	1.6	4.0	-2.3	0	0.00
	Gujarat	4519	0	99.1	32.8	0.6	331	0.00
	Maharashtra	17103	0	374.0	213.5	3.1	436	0.00
	MP	14568	0	292.8	164.2	-2.0	411	0.00
	Maharashtra	25820	0	539.8	184.4	2.6	1685	0.00
	Goa	615	0	12.1	12.0	-0.2	53	0.00
	DD	347	0	7.8	7.4	0.4	33	0.00
	DNH	868	0	19.9	19.8	0.1	122	0.00
SR	AMNSIL	877	0	19.4	4.6	-1.1	183	0.00
	Andhra Pradesh	10638	0	207.3	92.2	4.3	1820	0.44
	Telangana	11915	0	229.5	86.7	0.5	536	0.00
	Karnataka	14309	0	265.1	100.6	0.4	794	0.00
	Kerala	4027	0	83.7	60.0	-0.2	219	0.00
	Tamil Nadu	16262	0	345.4	210.7	1.2	408	0.00
	Puducherry	388	0	8.0	8.1	-0.1	42	0.00
	ER	Bihar	4796	0	84.2	73.9	-0.2	491
DVC		3380	0	70.5	47.0	-1.0	516	0.00
Jharkhand		1509	0	29.2	19.9	-0.8	206	1.69
Odisha		5578	0	115.3	50.6	0.3	417	0.00
West Bengal		6421	0	124.1	6.5	-0.4	344	0.00
Sikkim		118	0	1.6	2.1	-0.4	63	0.00
NER	Arunachal Pradesh	155	0	2.3	2.7	-0.5	21	0.00
	Assam	1470	0	25.7	19.1	0.0	98	0.00
	Manipur	244	0	3.3	3.2	0.1	44	0.00
	Meghalaya	366	0	7.2	6.1	0.1	50	0.00
	Mizoram	104	0	1.7	1.9	-0.3	19	0.00
	Nagaland	152	0	2.4	2.1	0.2	33	0.00
	Tripura	222	0	4.2	1.9	0.3	69	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.5	-11.5	-19.6
Day Peak (MW)	-306.0	-732.4	-837.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	108.7	-123.1	155.8	-145.0	3.6	0.0
Actual(MU)	89.9	-110.8	180.7	-169.6	1.5	-8.3
O/D/U/D(MU)	-18.8	12.3	24.9	-24.6	-2.1	-8.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6518	12800	6992	3081	369	29759	42
State Sector	11229	19229	8268	2250	11	40987	58
Total	17747	32028	15260	5331	380	70746	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	598	1266	572	607	14	3057	74
Lignite	26	15	45	0	0	87	2
Hydro	114	56	107	26	9	312	8
Nuclear	33	20	65	0	0	118	3
Gas, Naptha & Diesel	15	9	8	0	27	59	1
RES (Wind, Solar, Biomass & Others)	173	133	175	5	0	486	12
Total	958	1500	972	638	50	4119	100

Share of RES in total generation (%)	18.01	8.87	17.98	0.82	0.89	11.80
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	33.32	13.99	35.75	4.86	17.98	22.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.065

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: 23-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	842	0.0	13.9	-13.9	
4	765 kV	SASARAM-FATEHPUR	1	0	478	0.0	8.6	-8.6	
5	765 kV	GAYA-BALIA	1	0	674	0.0	11.0	-11.0	
6	400 kV	PUSAULI-VARANASI	1	0	89	0.0	1.2	-1.2	
7	400 kV	PUSAULI-ALLAHABAD	1	2	148	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	733	0.0	8.9	-8.9	
9	400 kV	PATNA-BALIA	4	0	887	0.0	16.1	-16.1	
10	400 kV	BIHARSHARIF-BALIA	2	0	570	0.0	7.0	-7.0	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	497	0.0	7.8	-7.8	
12	400 kV	BIHARSHARIF-VARANASI	2	0	392	0.0	5.8	-5.8	
13	220 kV	SAHUPURI-KARAMANASA	1	0	125	0.0	1.5	-1.5	
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	83.4	-83.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	724	87	6.5	0.0	6.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	200	999	0.0	13.7	-13.7	
3	765 kV	JHARSUGUDA-DURG	2	0	499	0.0	6.3	-6.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	557	0.0	7.0	-7.0	
5	400 kV	RANCHI-SIPAT	2	37	290	0.0	3.8	-3.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	182	0.0	2.7	-2.7	
7	220 kV	BUDHIPADAR-KORBA	2	66	10	0.9	0.0	0.9	
						ER-WR	7.4	33.5	-26.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	441	0.0	9.1	-9.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1995	0.0	48.1	-48.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3002	0.0	58.4	-58.4	
4	400 kV	TALCHER/JC	2	0	376	0.0	2.8	-2.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	115.7	-115.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	370	0	3.2	0.0	3.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	426	0	5.5	0.0	5.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	87	0	1.0	0.0	1.0	
						ER-NER	9.7	0.0	9.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	470	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1507	0.0	26.9	-26.9	
2	HVDC	VINDHYACHAL B/B	-	319	0	8.5	0.0	8.5	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	251	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	179	1388	0.0	13.0	-13.0	
5	765 kV	GWALIOR-PHAGI	2	306	1521	0.0	18.6	-18.6	
6	765 kV	JABALPUR-ORAI	2	0	849	0.0	16.2	-16.2	
7	765 kV	GWALIOR-ORAI	1	844	0	12.7	0.0	12.7	
8	765 kV	SATNA-ORAI	1	0	900	0.0	15.8	-15.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	1827	0	33.0	0.0	33.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2060	0.0	25.1	-25.1	
11	400 kV	ZERDA-KANKROLI	1	421	0	8.2	0.0	8.2	
12	400 kV	ZERDA-BHINMAL	1	869	0	13.8	0.0	13.8	
13	400 kV	VINDHYACHAL-RIHAND	1	485	0	10.8	0.0	10.8	
14	400 kV	RAPP-SHUJALPUR	2	960	267	9.2	0.0	9.2	
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	120	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	81	0	2.1	0.0	2.1	
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	99.6	121.8	-22.2
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	23.5	-23.5	
2	HVDC	RAIGARH-PUGALUR	2	0	3007	0.0	47.5	-47.5	
3	765 kV	SOLAPUR-RAICHUR	2	555	1991	0.0	20.5	-20.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	2675	0.0	43.8	-43.8	
5	400 kV	KOLHAPUR-KUDGI	2	1282	0	19.1	0.0	19.1	
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	84	1.4	0.0	1.4	
						WR-SR	20.5	135.2	-114.7

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)	132	0	27	0.6
	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	21	-1	8	0.2
	NER	132kV MOTANGA-RANGIA	-9	0	0	0.0
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-69	-1.7
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-286	0	-121	-2.9
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-367	-14	-290	-7.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-728	-683	-721	-17.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-109	0	-96	-2.3