



**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: 09<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 08.02.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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: 09-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)	53310	57376	44288	20105	2676	177755
Peak Shortage (MW)	250	0	0	268	0	518
Energy Met (MU)	1052	1347	1082	408	48	3936
Hydro Gen (MU)	104	48	89	28	10	279
Wind Gen (MU)	11	40	29	-	-	81
Solar Gen (MU)*	68.37	43.39	107.61	5.17	0.35	225
Energy Shortage (MU)	5.58	0.00	1.09	2.11	0.00	8.78
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54174	64926	54750	20362	2722	191787
Time Of Maximum Demand Met (From NLDC SCADA)	18:50	11:19	12:25	18:16	18:04	10:54

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	0.046	0.00	1.40	8.23	9.63	74.81	15.57

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	6377	225	116.9	40.4	-0.9	88	0.93
	Haryana	6306	0	125.4	74.8	1.0	177	0.00
	Rajasthan	15404	0	282.8	77.0	0.8	256	0.00
	Delhi	4116	0	69.6	57.8	-0.7	200	0.00
	UP	18448	0	315.9	89.6	-1.0	510	0.00
	Uttarakhand	2323	0	42.0	30.6	0.5	233	0.00
	HP	1909	0	33.8	25.8	-0.3	80	0.00
	J&K(UT) & Ladakh(UT)	3084	250	61.3	56.5	-0.4	292	4.65
WR	Chandigarh	225	0	4.1	4.1	0.0	25	0.00
	Chhattisgarh	4396	0	94.2	39.1	-0.1	176	0.00
	Gujarat	16932	0	363.7	204.9	5.9	699	0.00
	MP	15391	0	303.1	191.0	-0.7	595	0.00
	Maharashtra	25955	0	528.2	147.0	-3.9	839	0.00
	Goa	579	0	12.0	11.6	0.1	23	0.00
	DD	344	0	7.6	7.3	0.3	42	0.00
	DNH	857	0	19.9	19.6	0.3	47	0.00
SR	AMNSIL	863	0	17.9	10.0	0.5	355	0.00
	Andhra Pradesh	11154	0	199.6	59.3	1.9	831	1.09
	Telangana	11788	0	217.4	80.4	2.1	584	0.00
	Karnataka	13309	0	249.8	103.7	1.0	969	0.00
	Kerala	3876	0	79.0	56.2	-0.1	270	0.00
	Tamil Nadu	15741	0	328.1	191.7	1.4	842	0.00
	Puducherry	385	0	7.9	8.0	-0.1	28	0.00
	ER	Bihar	4900	0	84.4	75.2	-1.8	355
DVC		3128	285	70.2	-42.9	0.0	238	0.00
Jharkhand		1460	0	29.6	19.8	-0.1	174	2.11
Odisha		5627	0	104.7	40.1	1.9	653	0.00
West Bengal		6253	0	117.2	3.2	0.0	490	0.00
Sikkim		119	0	2.0	2.2	-0.2	17	0.00
NER	Arunachal Pradesh	159	0	2.5	2.5	-0.2	31	0.00
	Assam	1455	0	25.7	18.8	0.3	138	0.00
	Manipur	242	0	3.6	3.6	0.0	25	0.00
	Meghalaya	397	0	7.7	5.7	0.2	42	0.00
	Mizoram	141	0	2.1	2.0	-0.2	15	0.00
	Nagaland	161	0	2.8	2.3	0.3	29	0.00
	Tripura	221	0	3.6	2.4	-0.4	35	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.4	-10.4	-19.7
Day Peak (MW)	-285.0	-566.3	-866.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.0	-120.5	98.3	-154.9	-0.9	0.0
Actual(MU)	154.9	-109.0	117.1	-164.8	-2.4	-4.1
O/D/U/D(MU)	-23.1	11.5	18.8	-9.9	-1.5	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5693	12838	6362	1646	369	26907	42
State Sector	9665	15493	8063	4135	11	37367	58
Total	15358	28331	14425	5781	380	64275	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	634	1316	595	586	14	3145	77
Lignite	27	10	49	0	0	86	2
Hvdro	103	48	89	29	10	279	7
Nuclear	33	21	69	0	0	123	3
Gas, Naptha & Diesel	15	15	10	0	30	70	2
RES (Wind, Solar, Biomass & Others)	107	85	166	5	0	363	9
Total	919	1496	978	619	55	4067	100

Share of RES in total generation (%)	11.65	5.67	16.97	0.83	0.64	8.94
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.49	10.29	33.15	5.43	18.66	18.82

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.064

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: 09-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	-	4	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	897	0.0	0.0	-13.6	
4	765 kV	SASARAM-FATEHPUR	1	0	599	0.0	10.2	-10.2	
5	765 kV	GAYA-BALIA	1	0	581	0.0	9.1	-9.1	
6	400 kV	PUSAULI-VARANASI	1	10	80	0.0	1.2	-1.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	160	0.0	2.3	-2.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	624	0.0	7.6	-7.6	
9	400 kV	PATNA-BALIA	4	0	1404	0.0	25.6	-25.6	
10	400 kV	BIHARSHARIF-BALIA	2	0	578	0.0	8.0	-8.0	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	438	0.0	7.7	-7.7	
12	400 kV	BIHARSHARIF-VARANASI	2	0	421	0.0	7.2	-7.2	
13	220 kV	SAHPURI-KARMANASA	1	0	113	0.0	1.4	-1.4	
14	132 kV	SONENAGAR-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-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	93.9	-93.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	346	694	0.0	6.4	-6.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	141	1113	0.0	11.7	-11.7	
3	765 kV	JHARSUGUDA-DURG	2	143	194	0.0	1.8	-1.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	71	380	0.0	4.5	-4.5	
5	400 kV	RANCHI-SIPAT	2	66	279	0.0	2.9	-2.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	24	109	0.0	1.4	-1.4	
7	220 kV	BUDHIPADAR-KORBA	2	92	0	1.2	0.0	1.2	
						ER-WR	1.2	28.7	-27.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	444	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1987	0.0	42.4	-42.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2785	0.0	49.9	-49.9	
4	400 kV	TALCHER/JC	2	418	187	0.0	2.7	2.7	
5	220 kV	BALIMELA-U-PPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	102.2	-102.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	373	0	4.5	0.0	4.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	580	0	7.3	0.0	7.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	107	0	1.3	0.0	1.3	
						ER-NER	13.1	0.0	13.1
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	472	0	11.6	0.0	11.6	
						NER-NR	11.6	0.0	11.6
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2019	0.0	38.7	-38.7	
2	HVDC	VINDHYACHAL B/B	-	451	52	6.5	0.2	6.3	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	128	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	0	1691	0.0	19.9	-19.9	
5	765 kV	GWALIOR-PHAGI	2	0	2105	0.0	34.0	-34.0	
6	765 kV	JABALPUR-ORAI	2	0	913	0.0	25.4	-25.4	
7	765 kV	GWALIOR-ORAI	1	933	0	17.3	0.0	17.3	
8	765 kV	SATNA-ORAI	1	0	1038	0.0	19.8	-19.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	2127	0	39.0	0.0	39.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2404	0.0	30.3	-30.3	
11	400 kV	ZERDA-KANKROLI	1	394	0	7.1	0.0	7.1	
12	400 kV	ZERDA-BHINMAL	1	523	0	7.5	0.0	7.5	
13	400 kV	VINDHYACHAL-RIHAND	1	485	0	11.0	0.0	11.0	
14	400 kV	RAPP-SHUALPUR	2	382	291	2.0	1.7	0.4	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAR	1	0	30	2.7	0.0	2.7	
17	220 kV	MEHGAON-AURAIYA	1	148	0	1.4	0.0	1.4	
18	220 kV	MALANPUR-AURAIYA	1	99	0	2.4	0.0	2.4	
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	96.9	173.0	-76.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	316	0.0	7.4	-7.4	
2	HVDC	RAIGARH-PUGALUR	2	0	1501	0.0	22.8	-22.8	
3	765 kV	SOLAPUR-RAICHUR	2	992	1886	1.6	15.2	-13.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2367	0.0	36.0	-36.0	
5	400 kV	KOLHAPUR-KUDGI	2	1220	0	16.8	0.0	16.8	
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	74	1.4	0.0	1.4	
						WR-SR	19.8	81.4	-61.6

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)	133	15	47	1.1
	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	18	3	8	0.2
	NER	132kV MOTANGA-RANGIA	18	4	6	0.1
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-68	-1.6
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-143	-12	-95	-2.3
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-343	-53	-270	-6.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-759	-695	-734	-17.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-107	0	-85	-2.1