



**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: 26<sup>th</sup> Jan 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 25.01.2022.**

महोदय/Dear Sir,

sss

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जनवरी-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 25<sup>th</sup> January 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: 26-Jan-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)	53838	54880	42774	19923	2618	174033
Peak Shortage (MW)	400	0	0	592	0	992
Energy Met (MU)	1066	1251	1031	399	47	3794
Hydro Gen (MU)	95	42	108	25	9	280
Wind Gen (MU)	2	29	15	-	-	45
Solar Gen (MU)*	75.07	43.16	101.80	4.49	0.33	225
Energy Shortage (MU)	4.76	0.00	0.21	6.77	0.00	11.74
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55234	62765	52435	20149	2757	188856
Time Of Maximum Demand Met (From NLDC SCADA)	18:38	10:30	09:53	18:17	17:43	10:12

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	0.029	0.00	0.45	1.78	2.23	78.69	19.07

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	6938	0	128.5	51.0	-1.1	89	0.00
	Haryana	6484	0	123.3	63.2	1.3	177	0.00
	Rajasthan	14544	0	259.0	57.3	0.8	227	0.00
	Delhi	4918	0	80.7	69.0	-0.2	284	0.00
	UP	19255	0	324.2	85.9	0.1	709	0.00
	Uttarakhand	2381	0	45.6	33.6	0.6	178	0.11
	HP	1952	0	34.9	25.7	0.1	236	0.00
	J&K(UT) & Ladakh(UT)	3537	150	65.4	57.3	2.5	784	4.65
WR	Chandigarh	261	0	4.4	4.2	0.2	51	0.00
	Chhattisgarh	4088	0	86.9	31.7	0.2	202	0.00
	Gujarat	17374	0	356.5	197.8	1.3	649	0.00
	MP	13987	0	263.2	156.5	0.3	523	0.00
	Maharashtra	24778	0	489.1	146.6	-2.3	956	0.00
	Goa	558	0	11.4	10.8	0.3	29	0.00
	DD	338	0	7.5	7.1	0.4	38	0.00
	DNH	835	0	19.3	19.3	0.0	152	0.00
SR	AMNSIL	833	0	17.2	10.6	-0.1	241	0.00
	Andhra Pradesh	10012	0	190.1	82.1	1.8	485	0.21
	Telangana	11534	0	207.0	81.4	0.2	459	0.00
	Karnataka	13340	0	245.2	92.9	0.1	579	0.00
	Kerala	3702	0	73.0	50.8	-0.3	339	0.00
	Tamil Nadu	14522	0	308.3	190.2	0.4	875	0.00
	Puducherry	370	0	7.5	7.8	-0.2	49	0.00
	ER	Bihar	5064	0	85.5	79.9	-0.9	231
DVC		3187	0	69.1	48.2	-0.1	385	2.42
Jharkhand		1579	0	28.8	22.6	-0.3	294	4.20
Odisha		5136	0	92.5	28.2	0.4	372	0.00
West Bengal		6422	0	120.7	0.9	-0.2	316	0.00
Sikkim		123	0	1.9	2.1	-0.2	44	0.00
NER	Arunachal Pradesh	154	0	2.5	2.5	-0.1	30	0.00
	Assam	1485	0	25.7	19.6	0.2	85	0.00
	Manipur	251	0	3.6	3.6	0.0	28	0.00
	Meghalaya	398	0	7.4	5.8	0.3	43	0.00
	Mizoram	134	0	1.8	1.7	-0.5	13	0.00
	Nagaland	151	0	2.3	2.1	0.1	34	0.00
	Tripura	217	0	3.6	2.1	-0.2	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.8	-10.2	-19.7
Day Peak (MW)	-304.0	-675.6	-856.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.9	-118.7	114.1	-175.6	4.3	0.0
Actual(MU)	161.1	-109.3	124.4	-185.8	3.8	-5.7
O/D/U/D(MU)	-14.8	9.5	10.3	-10.2	-0.5	-5.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6153	17118	5812	296	639	30017	44
State Sector	6950	17546	10318	2750	11	37575	56
Total	13103	34663	16130	3046	650	67592	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	653	1217	533	592	9	3005	77
Lignite	29	15	42	0	0	86	2
Hvdro	95	42	108	25	9	280	7
Nuclear	28	21	70	0	0	119	3
Gas, Naptha & Diesel	15	9	8	0	29	61	2
RES (Wind, Solar, Biomass & Others)	102	73	155	5	0	335	9
Total	923	1377	917	622	48	3886	100

Share of RES in total generation (%)	11.02	5.31	16.92	0.73	0.69	8.62
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.43	9.87	36.33	4.79	20.32	18.89

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.063

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: 26-Jan-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	964	0.0	13.9	-13.9	
4	765 kV	SASARAM-FATEHPUR	1	0	609	0.0	10.0	-10.0	
5	765 kV	GAYA-BALIA	1	0	597	0.0	8.8	-8.8	
6	400 kV	PUSAULI-VARANASI	1	0	106	0.0	1.6	-1.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	157	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	789	0.0	9.9	-9.9	
9	400 kV	PATNA-BALIA	4	0	1354	0.0	19.8	-19.8	
10	400 kV	BIHARSHARIF-BALIA	2	149	337	0.0	3.2	-3.2	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	482	0.0	7.9	-7.9	
12	400 kV	BIHARSHARIF-VARANASI	2	0	451	0.0	6.9	-6.9	
13	220 kV	SAHPURI-KARAMANASA*	1	0	124	0.0	1.6	-1.6	
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-CHANDAUULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	85.4	-85.1
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	300	1104	0.0	10.9	-10.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	32	1088	0.0	9.2	-9.2	
3	765 kV	JHARSUGUDA-DURG	2	0	690	0.0	8.2	-8.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	19	494	0.0	6.0	-6.0	
5	400 kV	RANCHI-SIPAT	2	16	196	0.0	0.9	-0.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	158	0.0	2.3	-2.3	
7	220 kV	BUDHIPADAR-KORBA	2	81	5	0.9	0.0	0.9	
						ER-WR	0.9	37.5	-36.6
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2381	0.0	43.6	-43.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3232	0.0	59.1	-59.1	
4	400 kV	TALCHER/JC	2	420	985	0.0	1.5	-1.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	112.7	-112.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	285	57	1.7	0.0	1.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	380	0	3.9	0.0	3.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	64	0	0.7	0.0	0.7	
						ER-NER	6.2	0.0	6.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	492	0	10.4	0.0	10.4	
						NER-NR	10.4	0.0	10.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2020	0.0	33.6	-33.6	
2	HVDC	VINDHYACHAL B/B	-	184	0	4.9	0.0	4.9	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	254	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	0	1847	0.0	25.3	-25.3	
5	765 kV	GWALIOR-PHAGI	2	0	2085	0.0	31.5	-31.5	
6	765 kV	JABALPUR-ORAI	2	0	866	0.0	22.9	-22.9	
7	765 kV	GWALIOR-ORAI	1	947	0	16.7	0.0	16.7	
8	765 kV	SATNA-ORAI	1	0	991	0.0	19.5	-19.5	
9	765 kV	BANASKANTHA-CHITORGARH	2	2061	0	34.5	0.0	34.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2077	0.0	32.3	-32.3	
11	400 kV	ZERDA-KANKROLI	1	374	0	6.5	0.0	6.5	
12	400 kV	ZERDA-BHINMAL	1	511	0	7.3	0.0	7.3	
13	400 kV	VINDHYACHAL-RIHAND	1	484	0	10.9	0.0	10.9	
14	400 kV	RAPP-SHUALPUR	2	355	331	1.9	1.9	0.0	
15	220 kV	BHANSURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANSURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGUAON-AURAIYA	1	143	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	88	0	1.9	0.0	1.9	
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	85.2	173.9	-88.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	297	0	7.2	0.0	7.2	
2	HVDC	RAIGARH-PUGALUR	2	0	1500	0.0	20.4	-20.4	
3	765 kV	SOLAPUR-RAICHUR	2	614	2166	0.6	20.2	-19.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2877	0.0	41.2	-41.2	
5	400 kV	KOLHAPUR-KUDGI	2	1101	0	15.7	0.0	15.7	
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	72	1.3	0.0	1.3	
						WR-SR	24.8	81.9	-57.0

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	135	0	14	0.3
	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	-12	-4	-8	-0.2
	NER	132kV MOTANGA-RANGIA	-7	0	0	0.0
	NR	132kV MAHENDRANAGAR-TANAKPUR/NHPC	-80	0	-69	-1.7
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-233	0	-108	-2.6
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-363	17	-248	-6.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-741	-688	-729	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-115	0	-94	-2.3

\*220kV Pusaui- Sahupuri line LIL/Oed at 220kV Karamnasa (Bihar) at 17:50 hrs of 24.01.2022.