



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: 18th 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 17.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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: 18-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)	52214	56087	44278	20401	2668	175648
Peak Shortage (MW)	250	0	0	364	0	614
Energy Met (MU)	1050	1341	1089	419	47	3945
Hydro Gen (MU)	110	44	92	27	8	282
Wind Gen (MU)	4	42	38	-	-	85
Solar Gen (MU)*	89.21	43.21	106.21	4.81	0.41	244
Energy Shortage (MU)	8.08	0.00	0.00	3.18	0.00	11.26
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53272	64022	54486	20875	2722	190009
Time Of Maximum Demand Met (From NLDC SCADA)	18:59	10:42	09:54	18:34	18:02	10:30

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	0.030	0.00	0.21	6.21	6.42	78.93	14.65

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	6640	0	131.2	42.2	-1.3	150	0.00
	Haryana	6794	0	131.4	72.1	0.5	191	0.99
	Rajasthan	15508	0	279.3	79.0	2.6	441	2.26
	Delhi	3819	0	64.3	52.9	-1.5	196	0.00
	UP	17910	0	307.3	98.9	-0.4	413	0.00
	Uttarakhand	2176	0	40.0	26.9	0.5	321	0.18
	HP	1913	0	33.9	25.8	0.0	249	0.00
	J&K(UT) & Ladakh(UT)	2952	300	59.0	53.2	0.4	385	4.65
WR	Chhattisgarh	217	0	3.3	3.6	-0.3	13	0.00
	Gujarat	4403	0	95.5	31.3	-0.4	253	0.00
	Madhya Pradesh	16652	0	362.3	210.3	2.5	826	0.00
	MP	14733	0	294.3	177.1	-0.9	533	0.00
	Maharashtra	26118	0	530.4	151.9	-2.5	714	0.00
	Goa	591	0	12.4	11.7	0.4	22	0.00
	DD	346	0	7.8	7.3	0.5	49	0.00
	DNH	866	0	20.0	19.9	0.1	40	0.00
SR	AMNSIL	801	0	17.8	4.6	-0.8	190	0.00
	Andhra Pradesh	10774	0	202.9	80.2	-0.3	370	0.00
	Telangana	11711	0	216.0	94.7	0.1	624	0.00
	Karnataka	13856	0	256.3	102.3	-0.6	856	0.00
	Kerala	3955	0	80.6	57.5	-0.2	235	0.00
	Tamil Nadu	15480	0	326.2	190.0	-0.5	373	0.00
	Puducherry	359	0	7.3	7.4	-0.1	58	0.00
	ER	Bihar	4845	0	83.8	71.0	0.8	559
DVC		3272	0	71.5	44.9	0.0	250	0.00
Jharkhand		1476	0	28.6	19.6	-0.1	216	2.68
Odisha		5899	0	110.9	50.5	0.0	345	0.00
West Bengal		6432	0	122.4	-3.8	-1.0	297	0.00
Sikkim		118	0	1.8	2.0	-0.2	14	0.00
NER	Arunachal Pradesh	156	0	2.6	2.7	-0.2	25	0.00
	Assam	1489	0	25.3	18.9	-0.3	141	0.00
	Manipur	238	0	3.4	3.5	-0.1	69	0.00
	Meghalaya	380	0	7.0	5.8	0.1	43	0.00
	Mizoram	136	0	2.0	2.0	-0.1	13	0.00
	Nagaland	150	0	2.5	2.3	0.1	21	0.00
	Tripura	222	0	3.7	2.5	-0.3	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.6	-10.9	-19.6
Day Peak (MW)	-266.0	-746.0	-837.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.6	-150.6	133.7	-140.5	0.8	0.0
Actual(MU)	137.1	-146.9	146.1	-138.7	-1.2	-3.5
OD/UD(MU)	-19.5	3.7	12.5	1.8	-2.0	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5637	12420	6332	4616	424	29429	43
State Sector	11314	16078	8893	2960	11	39256	57
Total	16952	28497	15225	7576	435	68684	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	625	1328	566	574	15	3106	77
Lignite	25	14	46	0	0	85	2
Hydro	110	44	92	27	8	282	7
Nuclear	33	21	66	0	0	120	3
Gas, Naptha & Diesel	15	15	9	0	29	69	2
RES (Wind, Solar, Biomass & Others)	122	87	180	5	0	394	10
Total	930	1509	958	606	52	4055	100

Share of RES in total generation (%)	13.11	5.75	18.79	0.80	0.79	9.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	28.46	10.10	35.27	5.27	16.37	19.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
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: 18-Feb-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
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	763	0.0	11.3	-11.3	
4	765 kV	SASARAM-FATEHPUR	1	0	480	0.0	8.9	-8.9	
5	765 kV	GAYA-BALIA	1	0	594	0.0	10.1	-10.1	
6	400 kV	PUSAULI-VARANASI	1	0	65	0.0	1.4	-1.4	
7	400 kV	PUSAULI-ALLAHABAD	1	15	122	0.0	1.4	-1.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	706	0.0	8.5	-8.5	
9	400 kV	PATNA-BALIA	4	0	1506	0.0	25.9	-25.9	
10	400 kV	BIHARSHARIF-BALIA	2	0	529	0.0	7.1	-7.1	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	463	0.0	6.9	-6.9	
12	400 kV	BIHARSHARIF-VARANASI	2	0	366	0.0	5.9	-5.9	
13	220 kV	SAHUPURI-KARAMANASA	1	59	138	0.0	0.0	0.0	
14	132 kV	SONENAGAR-RIHAND	1	0	139	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-CHANDAUULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	87.5	-87.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1281	0	17.7	0.0	17.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	355	888	0.0	9.6	-9.6	
3	765 kV	JHARSUGUDA-DURG	2	218	188	1.2	0.0	1.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	139	466	0.0	3.3	-3.3	
5	400 kV	RANCHI-SIPAT	2	128	276	0.0	3.1	-3.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	59	74	0.0	0.3	-0.3	
7	220 kV	BUDHIPADAR-KORBA	2	126	0	2.0	0.0	2.0	
						ER-WR	21.0	16.3	4.7
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	46.2	-46.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3207	0.0	58.4	-58.4	
4	400 kV	TALCHER/JC	2	270	208	0.0	0.8	-0.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	114.5	-114.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	344	0	4.1	0.0	4.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	481	0	7.3	0.0	7.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	93	0	1.3	0.0	1.3	
						ER-NER	12.7	0.0	12.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1011	0.0	23.8	-23.8	
2	HVDC	VINDHYACHAL B/B	-	452	0	6.8	0.0	6.8	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	128	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	0	1801	0.0	20.9	-20.9	
5	765 kV	GWALIOR-PHAGI	2	0	1837	0.0	30.2	-30.2	
6	765 kV	JABALPUR-ORAI	2	0	933	0.0	22.5	-22.5	
7	765 kV	GWALIOR-ORAI	1	941	0	16.5	0.0	16.5	
8	765 kV	SATNA-ORAI	1	0	1029	0.0	19.0	-19.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	1928	0	36.8	0.0	36.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2665	0.0	35.7	-35.7	
11	400 kV	ZERDA-KANKROLI	1	396	0	7.2	0.0	7.2	
12	400 kV	ZERDA-BHINMAL	1	549	0	8.0	0.0	8.0	
13	400 kV	VINDHYACHAL-RIHAND	1	481	0	10.8	0.0	10.8	
14	400 kV	RAPP-SHUJALPUR	2	479	397	2.6	1.9	0.8	
15	220 kV	BHANPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPUR-MORAK	1	0	30	0.0	0.0	0.0	
17	220 kV	MEHGAON-AURAIYA	1	125	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	79	0	2.2	0.0	2.2	
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	92.1	157.0	-64.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	14.4	-14.4	
2	HVDC	RAIGARH-PUGALUR	2	0	1000	0.0	18.9	-18.9	
3	765 kV	SOLAPUR-RAICHUR	2	223	2131	0.1	20.7	-20.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	3078	0.0	45.2	-45.2	
5	400 kV	KOLHAPUR-KUDGI	2	1379	0	20.3	0.0	20.3	
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	75	1.4	0.0	1.4	
						WR-SR	21.8	99.3	-77.5

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)	129	26	33	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	-21	-3	-10	-0.2
	NER	132kV MOTANGA-RANGIA	21	0	9	0.2
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-69	-1.7
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-259	-10	-127	-3.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-411	-37	-258	-6.2
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-730	-682	-725	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-107	0	-90	-2.2