



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: 12th 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 11.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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: 12-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)	52273	56796	43023	19667	2658	174417
Peak Shortage (MW)	0	0	0	148	0	148
Energy Met (MU)	1042	1323	1072	409	47	3893
Hydro Gen (MU)	102	30	87	26	9	254
Wind Gen (MU)	3	91	62	-	-	156
Solar Gen (MU)*	88.05	46.21	104.24	4.99	0.27	244
Energy Shortage (MU)	4.65	0.00	0.00	1.38	0.00	6.03
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53557	63884	53641	20122	2659	189936
Time Of Maximum Demand Met (From NLDC SCADA)	18:51	10:51	10:35	18:27	18:03	10:32

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	0.036	0.36	0.64	3.98	4.98	79.49	15.53

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	6551	0	120.5	39.5	-0.9	81	0.00
	Haryana	6155	0	125.9	71.7	1.2	270	0.00
	Rajasthan	15403	0	278.7	82.5	2.3	422	0.00
	Delhi	4321	0	69.3	58.7	-1.9	170	0.00
	UP	18141	0	306.0	99.8	-1.4	728	0.00
	Uttarakhand	2344	0	42.4	32.3	0.9	253	0.00
	HP	1919	0	33.8	26.3	0.0	167	0.00
	J&K(UT) & Ladakh(UT)	2950	0	61.7	56.3	0.3	221	4.65
WR	Chhattisgarh	230	0	3.7	4.0	-0.4	11	0.00
	Gujarat	4252	0	91.0	35.0	-0.8	161	0.00
	Madhya Pradesh	16844	0	359.7	186.7	6.4	729	0.00
	MP	15126	0	293.3	186.1	-0.9	466	0.00
	Maharashtra	25490	0	521.8	146.5	-5.2	616	0.00
	Goa	596	0	12.4	11.7	0.4	36	0.00
	DD	334	0	7.5	7.3	0.2	36	0.00
	DNH	852	0	19.8	19.8	0.0	36	0.00
SR	AMNSIL	800	0	17.5	6.1	-0.5	324	0.00
	Andhra Pradesh	10732	0	199.4	55.1	1.5	1218	0.00
	Telangana	12039	0	219.3	99.3	0.8	739	0.00
	Karnataka	13498	0	248.2	94.9	-1.2	828	0.00
	Kerala	3779	0	78.3	55.1	-0.3	249	0.00
	Tamil Nadu	15060	0	319.0	186.8	-0.7	376	0.00
	Puducherry	371	0	7.5	7.9	-0.4	44	0.00
	ER	Bihar	4788	0	82.1	70.4	-0.6	310
DVC		3252	0	70.5	-39.6	-1.3	216	0.00
Jharkhand		1547	0	29.6	20.0	-0.7	181	1.22
Odisha		5713	0	108.4	59.5	-0.9	327	0.00
West Bengal		5948	0	116.7	-4.6	-0.2	386	0.00
Sikkim		112	0	1.9	2.1	-0.3	11	0.00
NER	Arunachal Pradesh	161	0	2.5	2.7	-0.3	34	0.00
	Assam	1461	0	25.3	19.0	-0.2	102	0.00
	Manipur	230	0	3.5	3.5	0.0	17	0.00
	Meghalaya	414	0	7.4	5.7	0.2	103	0.00
	Mizoram	131	0	1.8	1.8	-0.4	18	0.00
	Nagaland	156	0	2.4	2.3	0.1	27	0.00
	Tripura	218	0	3.7	2.0	-0.5	27	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.7	-11.3	-12.0
Day Peak (MW)	-296.0	-620.0	-849.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.2	-146.9	104.7	-149.2	1.2	0.0
Actual(MU)	166.2	-136.3	116.4	-155.8	0.2	-9.3
O/D/U/D(MU)	-24.0	10.6	11.7	-6.7	-1.1	-9.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6376	14980	6912	1146	697	30111	43
State Sector	10465	16421	9066	3585	11	39548	57
Total	16841	31400	15978	4731	708	69658	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	602	1275	556	575	14	3021	75
Lignite	26	11	48	0	0	85	2
Hydro	102	30	87	26	9	254	6
Nuclear	33	21	69	0	0	124	3
Gas, Naptha & Diesel	14	12	9	0	28	63	2
RES (Wind, Solar, Biomass & Others)	116	139	197	5	0	458	11
Total	894	1488	967	606	51	4005	100
Share of RES in total generation (%)	13.02	9.34	20.39	0.83	0.53	11.43	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	28.15	12.80	36.54	5.17	18.14	20.87	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
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: 12-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	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	1044	0.0	13.6	-13.6
4	765 kV	SASARAM-FATEHPUR	1	0	582	0.0	9.3	-9.3
5	765 kV	GAYA-BALIA	1	0	662	0.0	11.3	-11.3
6	400 kV	PUSAULI-VARANASI	1	24	84	0.0	0.8	-0.8
7	400 kV	PUSAULI-ALLAHABAD	1	9	168	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	691	0.0	7.8	-7.8
9	400 kV	PATNA-BALIA	4	0	1591	0.0	28.8	-28.8
10	400 kV	BIHARSHARIF-BALIA	2	0	665	0.0	10.2	-10.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	525	0.0	7.7	-7.7
12	400 kV	BIHARSHARIF-VARANASI	2	0	443	0.0	6.5	-6.5
13	220 kV	SAHUPURI-KARAMANASA	1	0	115	0.0	2.0	-2.0
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	99.7	-99.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	514	512	1.2	0.0	1.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1297	0.0	12.4	-12.4
3	765 kV	JHARSUGUDA-DURG	2	58	257	0.0	2.0	-2.0
4	400 kV	JHARSUGUDA-RAIGARH	4	180	329	0.0	2.6	-2.6
5	400 kV	RANCHI-SIPAT	2	20	342	0.0	2.4	-2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	44	89	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	133	0	1.7	0.0	1.7
						ER-WR	2.9	-17.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	392	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1977	0.0	37.3	-37.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2906	0.0	48.7	-48.7
4	400 kV	TALCHER/JC	2	430	218	7.1	0.0	7.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	94.6	-94.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	350	30	3.4	0.0	3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	527	0	6.2	0.0	6.2
3	220 kV	ALIPURDUAR-SALAKATI	2	98	3	1.1	0.0	1.1
						ER-NER	10.6	10.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	470	0	11.2	0.0	11.2
						NER-NR	11.2	11.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1520	0.0	31.7	-31.7
2	HVDC	VINDHYACHAL B/B	-	0	247	0.0	3.6	-3.6
3	HVDC	MUNDRU-MOHENDERGARH	2	0	128	0.0	3.1	-3.1
4	765 kV	GWALIOR-AGRA	2	194	1878	0.1	19.2	-19.1
5	765 kV	GWALIOR-PHAGI	2	0	1891	0.0	27.7	-27.7
6	765 kV	JABALPUR-ORAI	2	0	1061	0.0	23.0	-23.0
7	765 kV	GWALIOR-ORAI	1	954	0	15.9	0.0	15.9
8	765 kV	SATNA-ORAI	1	0	1002	0.0	17.2	-17.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1966	0	25.9	0.0	25.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	1972	0.0	29.1	-29.1
11	400 kV	ZERDA-KANKROLI	1	408	0	5.6	0.0	5.6
12	400 kV	ZERDA-BHINMAL	1	534	102	4.7	0.0	4.7
13	400 kV	VINDHYACHAL-RIHAND	1	485	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUJALPUR	2	523	366	3.8	1.3	2.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	3.0	0.0	3.0
17	220 kV	MEHGAON-AURAIYA	1	146	0	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	99	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	156.0	-82.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	617	0.0	14.7	-14.7
2	HVDC	RAIGARH-PUGALUR	2	0	2001	0.0	26.7	-26.7
3	765 kV	SOLAPUR-RAICHUR	2	905	1543	1.8	14.1	-12.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2489	0.0	37.9	-37.9
5	400 kV	KOLHAPUR-KUDGI	2	1364	0	19.4	0.0	19.4
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	1.4	0.0	1.4
						WR-SR	93.4	-70.8

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)	152	0	24	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	-19	-1	-10	-0.2
	NER	132kV MOTANGA-RANGIA	-13	0	-5	-0.1
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-82	0	-68	-1.6
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-194	0	-91	-2.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-344	-47	-313	-7.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-753	0	-424	-10.2
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-96	0	-78	-1.9