



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: 11th 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 10.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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: 11-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)	51314	56853	43965	19548	2669	174349
Peak Shortage (MW)	250	0	0	272	0	522
Energy Met (MU)	1030	1321	1085	406	48	3890
Hydro Gen (MU)	101	31	88	26	9	255
Wind Gen (MU)	7	95	45	-	-	147
Solar Gen (MU)*	85.33	41.48	106.34	4.65	0.26	238
Energy Shortage (MU)	4.65	0.00	0.00	0.73	0.00	5.38
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52553	63826	54576	19674	2715	189309
Time Of Maximum Demand Met (From NLDC SCADA)	08:16	10:33	10:56	18:39	18:01	10:39

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	0.032	0.00	0.13	3.01	3.14	72.62	24.24

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	6495	0	118.5	39.5	-0.9	65	0.00
	Haryana	6222	0	124.8	72.0	1.2	218	0.00
	Rajasthan	15086	0	272.8	71.3	1.3	284	0.00
	Delhi	4117	0	67.8	57.2	-0.7	365	0.00
	UP	17051	0	305.8	107.6	2.4	397	0.00
	Uttarakhand	2317	0	42.1	31.3	0.5	223	0.00
	HP	1906	0	33.9	25.7	0.3	127	0.00
	J&K(UT) & Ladakh(UT)	3087	300	60.1	55.6	-0.7	413	4.65
	Chandigarh	220	0	3.7	4.1	-0.4	16	0.00
	WR	Chhattisgarh	4013	0	86.8	31.6	-1.3	311
Gujarat		16728	0	354.9	191.3	-0.8	617	0.00
MP		14788	0	292.5	174.1	-1.3	699	0.00
Maharashtra		25719	0	527.7	148.3	-3.3	514	0.00
Goa		571	0	12.0	11.5	0.2	29	0.00
DD		347	0	7.7	7.3	0.4	38	0.00
DNH		867	0	19.9	19.8	0.1	45	0.00
AMNSIL		882	0	19.4	10.1	0.0	294	0.00
Andhra Pradesh		10954	0	201.0	54.1	0.4	769	0.00
Telangana		11876	0	218.3	89.5	0.7	651	0.00
SR	Karnataka	13437	0	249.2	98.0	-0.9	728	0.00
	Kerala	3875	0	79.2	57.4	0.3	282	0.00
	Tamil Nadu	15665	0	330.0	194.9	0.1	430	0.00
	Puducherry	383	0	7.7	8.1	-0.4	28	0.00
	Bihar	4690	0	80.3	70.1	-1.5	323	0.00
	DVC	3228	0	68.5	-42.9	-0.8	325	0.00
	Jharkhand	1554	0	28.6	19.1	-0.6	173	0.73
ER	Odisha	5669	0	109.3	61.3	-0.1	460	0.00
	West Bengal	5914	0	117.3	0.6	-0.6	276	0.00
	Sikkim	120	0	1.9	2.2	-0.3	12	0.00
	Arunachal Pradesh	157	0	2.6	2.6	-0.2	42	0.00
	Assam	1468	0	25.8	19.2	-0.1	120	0.00
	Manipur	242	0	3.7	3.9	-0.2	25	0.00
	Meghalaya	395	0	7.5	5.5	0.5	40	0.00
	Mizoram	136	0	2.0	1.8	-0.1	16	0.00
	Nagaland	150	0	2.5	2.3	0.1	21	0.00
	Tripura	220	0	3.7	2.6	-0.8	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.8	-10.4	-20.0
Day Peak (MW)	-270.0	-605.3	-864.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.1	-155.3	109.5	-135.3	0.9	0.0
Actual(MU)	161.1	-148.8	121.8	-139.4	0.4	-4.9
O/D/U/D(MU)	-19.0	6.5	12.3	-4.1	-0.5	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6126	13530	6362	1646	369	28032	42
State Sector	10700	15961	8376	4135	11	39183	58
Total	16826	29490	14738	5781	380	67215	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	602	1275	576	566	13	3032	76
Lignite	25	10	49	0	0	84	2
Hvdro	101	31	88	26	9	255	6
Nuclear	33	21	69	0	0	123	3
Gas, Naptha & Diesel	13	17	9	0	29	68	2
RES (Wind, Solar, Biomass & Others)	118	137	182	5	0	442	11
Total	893	1490	972	597	51	4004	100
Share of RES in total generation (%)	13.20	9.21	18.70	0.78	0.51	11.04	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.21	12.68	34.81	5.21	18.82	20.48	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.059

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: 11-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	883	0.0	12.4	-12.4
4	765 kV	SASARAM-FATEHPUR	1	0	503	0.0	8.5	-8.5
5	765 kV	GAYA-BALIA	1	0	691	0.0	10.6	-10.6
6	400 kV	PUSAULI-VARANASI	1	14	83	0.0	1.1	-1.1
7	400 kV	PUSAULI-ALLAHABAD	1	6	178	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	2	656	0.0	7.2	-7.2
9	400 kV	PATNA-BALIA	4	0	1575	0.0	26.5	-26.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	663	0.0	9.0	-9.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	488	0.0	7.4	-7.4
12	400 kV	BIHARSHARIFF-VARANASI	2	0	406	0.0	6.0	-6.0
13	220 kV	SAHUPURI-KARMANASA	1	0	128	0.0	1.6	-1.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.0	0.0
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	92.0	-92.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	684	601	1.3	0.0	1.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1082	0.0	8.7	-8.7
3	765 kV	JHARSUGUDA-DURG	2	150	104	0.3	0.0	0.3
4	400 kV	JHARSUGUDA-RAIGARH	4	227	255	0.0	0.8	-0.8
5	400 kV	RANCHI-SIPAT	2	39	274	0.0	1.4	-1.4
6	220 kV	BUDHIPADAR-RAIGARH	1	44	86	0.0	0.5	-0.5
7	220 kV	BUDHIPADAR-KORBA	2	128	0	2.0	0.0	2.0
						ER-WR	3.5	-7.8
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	1982	0.0	38.3	-38.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2765	0.0	47.7	-47.7
4	400 kV	TALCHER-I/C	2	418	202	6.4	0.0	6.4
5	220 kV	BALMELA-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	323	8	3.4	0.0	3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	492	0	5.8	0.0	5.8
3	220 kV	ALIPURDUAR-SALAKATI	2	85	0	1.0	0.0	1.0
						ER-NER	10.2	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	475	0	11.3	0.0	11.3
						NER-NR	11.3	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2013	0.0	34.2	-34.2
2	HVDC	VINDHYACHAL B/B	-	0	53	0.0	1.2	-1.2
3	HVDC	MUNDRAL-MOHINDERGARH	2	0	128	0.0	3.1	-3.1
4	765 kV	GWALIOR-AGRA	2	0	1912	0.0	20.3	-20.3
5	765 kV	GWALIOR-PHAGI	2	0	1808	0.0	25.0	-25.0
6	765 kV	JABALPUR-ORAI	2	0	1021	0.0	24.1	-24.1
7	765 kV	GWALIOR-ORAI	1	821	0	15.6	0.0	15.6
8	765 kV	SATNA-ORAI	1	0	994	0.0	16.8	-16.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1738	0	27.0	0.0	27.0
10	765 kV	VINDHYACHAL-VARANASI	2	32	2027	0.0	28.0	-28.0
11	400 kV	ZERDA-KANKROLI	1	295	0	5.3	0.0	5.3
12	400 kV	ZERDA -BHNMAL	1	457	16	5.2	0.0	5.2
13	400 kV	VINDHYACHAL -RIHAND	1	484	0	10.9	0.0	10.9
14	400 kV	RAPP-SHUALPUR	2	501	383	3.3	1.6	1.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	2.6	0.0	2.6
17	220 kV	MEHGAON-AURAIYA	1	151	0	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	104	0	2.2	0.0	2.2
19	132 kV	GWALIOR-SAWAI MADHOPUR	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	73.3	-80.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	617	0.0	14.6	-14.6
2	HVDC	RAIGARH-PUGALUR	2	0	1505	0.0	24.8	-24.8
3	765 kV	SOLAPUR-RAICHUR	2	772	1734	0.9	16.0	-15.1
4	765 kV	WARDHA-NIZAMABAD	2	0	2753	0.0	38.9	-38.9
5	400 kV	KOLHAPUR-KUDGI	2	1202	0	17.5	0.0	17.5
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	19.7	-74.7

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
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)	208	0	38	0.9	
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	0	0	0	0.0	
	ER	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	0	-9	-0.2	
	NER	132kV MOTANGA-RANGIA	-15	3	-5	-0.1	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-68	-1.6	
	ER	NEPAL IMPORT (FROM BIHAR)	-218	0	-84	-2.0	
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-309	-12	-280	-6.7	
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-758	-706	-744	-17.9	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-106	0	-91	-2.2	