



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: 13th 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 12.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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: 13-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)	51499	56581	42452	19690	2618	172840
Peak Shortage (MW)	250	0	500	583	0	1333
Energy Met (MU)	1032	1327	1054	407	46	3866
Hydro Gen (MU)	107	41	92	27	9	275
Wind Gen (MU)	4	35	46	-	-	85
Solar Gen (MU)*	91.51	47.54	102.68	5.31	0.34	247
Energy Shortage (MU)	5.84	0.00	9.66	2.14	0.00	17.64
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52337	63832	52449	19690	2629	185291
Time Of Maximum Demand Met (From NLDC SCADA)	19:04	10:44	09:58	18:53	18:20	10:27

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	0.038	0.00	0.00	10.76	10.76	78.42	10.82

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	6614	0	120.3	36.5	-0.5	119	0.00
	Haryana	6347	0	125.9	71.7	1.3	175	0.78
	Rajasthan	15458	0	276.8	86.4	1.9	485	0.00
	Delhi	3930	0	64.1	53.2	-1.8	153	0.00
	UP	18211	0	308.3	89.7	0.6	551	0.00
	Uttarakhand	2291	0	40.7	29.9	0.6	284	0.41
	HP	1874	0	33.0	25.1	0.0	147	0.00
	J&K(UT) & Ladakh(UT)	2953	300	59.4	55.6	-1.2	182	4.65
	Chandigarh	217	0	3.5	3.7	-0.3	5	0.00
	Chhattisgarh	4280	0	90.3	37.6	0.0	194	0.00
WR	Gujiarat	16666	0	357.6	217.2	3.2	796	0.00
	MP	15032	0	294.8	181.2	-0.5	501	0.00
	Maharashtra	25919	0	528.2	141.1	-2.5	556	0.00
	Goa	581	0	12.1	11.6	0.3	37	0.00
	DD	336	0	7.5	7.2	0.3	56	0.00
	DNH	855	0	19.7	19.4	0.3	55	0.00
	AMNSIL	806	0	17.0	4.8	-0.9	180	0.00
SR	Andhra Pradesh	10501	500	190.9	56.0	1.8	920	9.66
	Telangana	11836	0	215.2	94.1	0.8	573	0.00
	Karnataka	13702	0	250.1	94.3	-1.1	723	0.00
	Kerala	3731	0	77.8	55.4	-0.5	208	0.00
	Tamil Nadu	14945	0	312.0	182.5	0.8	556	0.00
	Puducherry	379	0	7.8	8.0	-0.2	21	0.00
	Bihar	4867	342	81.6	68.9	-1.0	289	0.17
ER	DVC	3100	0	70.2	-43.8	-1.3	232	0.00
	Jharkhand	1462	0	29.6	19.2	0.1	155	1.97
	Odisha	5636	0	107.9	52.8	-0.6	319	0.00
	West Bengal	5968	0	115.9	-8.8	-0.4	344	0.00
	Sikkim	112	0	1.8	2.1	-0.3	22	0.00
NER	Arunachal Pradesh	147	0	2.4	2.7	-0.4	30	0.00
	Assam	1459	0	24.9	18.0	0.3	106	0.00
	Manipur	242	0	3.3	3.3	0.0	66	0.00
	Meghalaya	402	0	7.4	6.0	0.2	75	0.00
	Mizoram	137	0	1.8	1.8	-0.4	16	0.00
	Nagaland	151	0	2.4	2.2	0.2	14	0.00
	Tripura	219	0	3.6	1.9	-0.3	26	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.0	-9.0	-19.4
Day Peak (MW)	-297.0	-613.4	-914.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.0	-102.5	106.3	-169.9	2.1	0.0
Actual(MU)	137.1	-86.6	113.6	-173.5	2.7	-6.6
O/D/U/D(MU)	-26.9	15.9	7.3	-3.6	0.6	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6376	14680	6112	1806	334	29307	43
State Sector	11335	15926	8573	2925	11	38770	57
Total	17711	30605	14685	4731	345	68077	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	618	1264	561	595	13	3052	77
Lignite	23	12	45	0	0	79	2
Hvdro	107	41	92	27	9	275	7
Nuclear	33	21	69	0	0	124	3
Gas, Naptha & Diesel	12	10	8	0	26	56	1
RES (Wind, Solar, Biomass & Others)	121	84	181	5	0	392	10
Total	914	1432	956	627	48	3977	100
Share of RES in total generation (%)	13.24	5.87	18.93	0.85	0.71	9.85	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.52	10.19	35.76	5.10	19.94	19.87	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.087

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: 13-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	2	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	999	0.0	15.7	-15.7
4	765 kV	SASARAM-FATEHPUR	1	0	564	0.0	10.7	-10.7
5	765 kV	GAYA-BALIA	1	0	602	0.0	9.2	-9.2
6	400 kV	PUSAULI-VARANASI	1	0	85	0.0	1.2	-1.2
7	400 kV	PUSAULI-ALLAHABAD	1	0	152	0.0	1.9	-1.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	802	0.0	8.8	-8.8
9	400 kV	PATNA-BALIA	4	0	1549	0.0	25.5	-25.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	631	0.0	9.8	-9.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	528	0.0	8.3	-8.3
12	400 kV	BIHARSHARIFF-VARANASI	2	0	454	0.0	7.1	-7.1
13	220 kV	SAHUPURI-KARMANASA	1	2	118	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-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	0.4	-99.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	437	432	1.6	0.0	1.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1121	0.0	15.1	-15.1
3	765 kV	JHARSUGUDA-DURG	2	20	319	0.0	3.4	-3.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	425	0.0	5.5	-5.5
5	400 kV	RANCHI-SIPAT	2	0	320	0.0	3.7	-3.7
6	220 kV	BUDHIPADAR-RAIGARH	1	30	111	0.0	0.9	-0.9
7	220 kV	BUDHIPADAR-KORBA	2	95	0	1.4	0.0	1.4
						ER-WR	3.0	-25.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	508	0.0	9.1	-9.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	43.3	-43.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2671	0.0	50.9	-50.9
4	400 kV	TALCHER-I/C	2	468	205	1.8	0.0	1.8
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	103.3	-103.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	360	5	3.2	0.0	3.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	494	0	5.1	0.0	5.1
3	220 kV	ALIPURDUAR-SALAKATI	2	96	0	1.1	0.0	1.1
						ER-NER	9.4	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	0	11.8	0.0	11.8
						NER-NR	11.8	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1003	0.0	23.9	-23.9
2	HVDC	VINDHYACHAL B/B	2	0	100	0.0	2.4	-2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	128	0.0	3.1	-3.1
4	765 kV	GWALIOR-AGRA	2	251	1657	0.3	16.8	-16.5
5	765 kV	GWALIOR-PHAGI	2	0	2075	0.0	33.5	-33.5
6	765 kV	JABALPUR-ORAI	2	0	970	0.0	23.8	-23.8
7	765 kV	GWALIOR-ORAI	1	990	0	18.4	0.0	18.4
8	765 kV	SATNA-ORAI	1	0	993	0.0	18.1	-18.1
9	765 kV	BANASKANTHA-CHITORGARH	2	2354	0	39.5	0.0	39.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	2063	0.0	21.5	-21.5
11	400 kV	ZERDA-KANKROLI	1	441	0	7.3	0.0	7.3
12	400 kV	ZERDA -BHINMAL	1	538	0	7.0	0.0	7.0
13	400 kV	VINDHYACHAL -RIHAND	1	489	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUALPUR	2	365	389	0.9	3.0	-2.1
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	3.3	0.0	3.3
17	220 kV	MEHGAON-AURAIYA	1	140	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	97	0	2.4	0.0	2.4
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	91.5	-54.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	617	0.0	13.8	-13.8
2	HVDC	RAIGARH-PUGALUR	2	0	1500	0.0	17.4	-17.4
3	765 kV	SOLAPUR-RAICHUR	2	580	1576	1.4	12.8	-11.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2390	0.0	37.5	-37.5
5	400 kV	KOLHAPUR-KUDGI	2	1305	0	21.1	0.0	21.1
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	71	1.3	0.0	1.3
						WR-SR	23.9	-57.7

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)	138	0	26	0.6
	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	-17	-2	-10	-0.2
	NER	132kV MOTANGA-RANGIA	13	1	1	0.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-81	0	-70	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-146	0	-54	-1.3
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-386	-29	-249	-6.0
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-749	-610	-717	-17.2
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-165	0	-90	-2.2