



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: 07th 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 06.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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: 07-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)	50499	53671	39398	20046	2417	166031
Peak Shortage (MW)	250	0	0	242	0	492
Energy Met (MU)	1017	1290	1005	392	44	3748
Hydro Gen (MU)	101	28	78	23	13	244
Wind Gen (MU)	16	34	38	-	-	88
Solar Gen (MU)*	79.42	46.77	101.22	5.13	0.42	233
Energy Shortage (MU)	4.65	0.00	0.00	2.09	0.00	6.74
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52031	63133	51031	19724	2265	185815
Time Of Maximum Demand Met (From NLDC SCADA)	10:47	10:42	10:40	18:26	17:53	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	0.033	0.00	0.00	3.25	3.25	74.95	21.80

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	6283	0	112.2	39.7	-0.9	153	0.00
	Haryana	5688	0	114.9	66.6	0.1	226	0.00
	Rajasthan	15032	0	276.4	67.0	-0.8	413	0.00
	Delhi	4236	0	67.5	56.1	-1.4	261	0.00
	UP	17981	0	311.3	83.4	-0.5	273	0.00
	Uttarakhand	2190	0	39.5	29.9	-0.3	148	0.00
	HP	1818	0	32.8	24.6	-0.1	184	0.00
	J&K(UT) & Ladakh(UT)	3067	250	59.1	54.3	-0.4	249	4.65
WR	Chandigarh	220	0	3.7	3.9	-0.3	26	0.00
	Chhattisgarh	4251	0	92.1	43.8	0.5	197	0.00
	Gujarat	16500	0	340.7	204.1	0.7	571	0.00
	MP	15702	0	300.0	182.4	-1.9	590	0.00
	Maharashtra	24642	0	502.3	143.5	-2.9	675	0.00
	Goa	515	0	10.8	10.2	0.4	35	0.00
	DD	309	0	7.1	7.0	0.1	39	0.00
	DNH	820	0	19.2	19.2	0.0	61	0.00
SR	AMNSIL	782	0	17.8	10.4	0.8	290	0.00
	Andhra Pradesh	11018	0	199.7	60.0	0.9	660	0.00
	Telangana	11278	0	204.5	69.2	0.1	436	0.00
	Karnataka	12707	0	229.9	97.0	0.0	689	0.00
	Kerala	3327	0	67.9	51.1	-0.2	158	0.00
	Tamil Nadu	13695	0	296.3	176.2	0.1	365	0.00
	Puducherry	336	0	7.2	7.4	-0.3	22	0.00
	ER	Bihar	5107	0	85.7	75.5	-0.5	394
DVC		3188	0	69.5	-35.3	-0.9	329	0.00
Jharkhand		1486	0	29.7	20.3	0.0	187	1.73
Odisha		5344	0	100.9	39.2	-0.7	414	0.00
West Bengal		5502	0	104.5	-11.3	-0.9	478	0.00
Sikkim		97	0	1.4	1.9	-0.5	45	0.00
NER	Arunachal Pradesh	150	0	2.4	2.8	-0.5	22	0.00
	Assam	1338	0	22.8	16.4	-0.4	70	0.00
	Manipur	240	0	3.2	3.3	-0.1	19	0.00
	Meghalaya	388	0	7.5	6.7	-0.1	34	0.00
	Mizoram	135	0	1.8	1.9	-0.4	12	0.00
	Nagaland	148	0	2.4	2.0	0.2	41	0.00
	Tripura	209	0	3.5	1.9	-0.5	22	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-0.3	-10.8	-19.4
Day Peak (MW)	-180.0	-655.1	-851.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.2	-80.1	90.4	-152.7	-2.8	0.0
Actual(MU)	118.2	-74.7	115.0	-155.2	-7.3	-4.0
O/D/U/D(MU)	-27.1	5.5	24.6	-2.5	-4.4	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5784	14183	6062	1506	369	27904	43
State Sector	8735	16393	7673	3510	11	36322	57
Total	14520	30576	13735	5016	380	64226	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	618	1234	533	561	13	2959	77
Lignite	25	10	46	0	0	82	2
Hvdro	101	28	79	24	13	244	6
Nuclear	33	21	70	0	0	124	3
Gas, Naptha & Diesel	15	12	9	0	29	65	2
RES (Wind, Solar, Biomass & Others)	121	83	167	5	0	376	10
Total	913	1388	904	589	56	3849	100

Share of RES in total generation (%)	13.24	5.95	18.49	0.87	0.75	9.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.93	9.46	34.87	4.86	24.23	19.31

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.013
Based on State Max Demands	1.053

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: 07-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	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	741	0.0	11.9	-11.9	
4	765 kV	SASARAM-FATEHPUR	1	0	506	0.0	9.3	-9.3	
5	765 kV	GAYA-BALIA	1	0	596	0.0	8.4	-8.4	
6	400 kV	PUSAULI-VARANASI	1	0	103	0.0	1.0	-1.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	143	0.0	1.5	-1.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	701	0.0	8.4	-8.4	
9	400 kV	PATNA-BALIA	4	0	1206	0.0	19.7	-19.7	
10	400 kV	BIHARSHARIFF-BALIA	2	0	597	0.0	7.7	-7.7	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	440	0.0	6.7	-6.7	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	361	0.0	4.0	-4.0	
13	220 kV	SAHUPURI-KARAMANASA	1	11	140	0.0	1.5	-1.5	
14	132 kV	SONEG NAGAR-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-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	80.1	-79.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	244	641	0.0	3.6	-3.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1225	0.0	16.3	-16.3	
3	765 kV	JHARSUGUDA-DURG	2	0	405	0.0	5.1	-5.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	552	0.0	6.3	-6.3	
5	400 kV	RANCHI-SIPAT	2	6	317	0.0	3.9	-3.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	124	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	2	84	20	0.8	0.0	0.8	
						ER-WR	0.8	36.9	-36.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	443	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1640	0.0	39.7	-39.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2496	0.0	50.0	-50.0	
4	400 kV	TALCHER/JC	2	300	315	1.6	0.0	1.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	99.6	-99.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	443	0	6.5	0.0	6.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	601	0	10.2	0.0	10.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	99	0	1.7	0.0	1.7	
						ER-NER	18.4	0.0	18.4
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	472	0	11.8	0.0	11.8	
						NER-NR	11.8	0.0	11.8
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2021	0.0	39.6	-39.6	
2	HVDC	VINDHYACHAL B/B	-	319	0	8.4	0.0	8.4	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	128	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	0	1999	0.0	18.4	-18.4	
5	765 kV	GWALIOR-PHAGI	2	0	2027	0.0	29.5	-29.5	
6	765 kV	JABALPUR-ORAI	2	0	934	0.0	20.5	-20.5	
7	765 kV	GWALIOR-ORAI	1	973	0	16.6	0.0	16.6	
8	765 kV	SATNA-ORAI	1	0	1053	0.0	19.2	-19.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	2110	0	38.2	0.0	38.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1862	0.0	21.7	-21.7	
11	400 kV	ZERDA-KANKROLI	1	398	0	7.5	0.0	7.5	
12	400 kV	ZERDA-BHINMAL	1	641	0	8.7	0.0	8.7	
13	400 kV	VINDHYACHAL-RIHAND	1	485	0	10.9	0.0	10.9	
14	400 kV	RAPP-SHUJALPUR	2	482	307	2.1	0.0	2.1	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	2.8	0.0	2.8	
17	220 kV	MEHGAON-AURAIYA	1	155	0	1.7	0.0	1.7	
18	220 kV	MALANPUR-AURAIYA	1	109	0	2.6	0.0	2.6	
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	99.4	151.9	-52.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	319	0.0	7.4	-7.4	
2	HVDC	RAIGARH-PUGALUR	2	0	605	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	476	1628	0.0	18.5	-18.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	2199	0.0	37.5	-37.5	
5	400 kV	KOLHAPUR-KUDGI	2	1147	0	18.4	0.0	18.4	
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	70	1.3	0.0	1.3	
						WR-SR	19.7	78.0	-58.3

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)	140	0	41	1.0
	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	-1.1
	ER	132kV GELEPHU-SALAKATI	16	0	6	0.1
	NER	132kV MOTANGA-RANGIA	28	5	15	0.4
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-72	-1.7
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-259	0	-115	-2.7
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-316	-47	-263	-6.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-751	-657	-724	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	100	0	-84	-2.0