



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: 08th 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 07.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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: 08-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)	52749	56424	43964	20191	2691	176019
Peak Shortage (MW)	250	0	0	242	0	492
Energy Met (MU)	1043	1324	1059	402	47	3875
Hydro Gen (MU)	103	46	96	26	10	281
Wind Gen (MU)	6	30	26	-	-	62
Solar Gen (MU)*	72.49	45.58	109.59	5.19	0.42	233
Energy Shortage (MU)	4.65	0.00	0.00	1.82	0.00	6.47
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54346	64936	54015	20281	2761	191999
Time Of Maximum Demand Met (From NLDC SCADA)	10:50	12:19	10:46	18:46	17:51	10:29

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	0.041	0.00	2.01	5.86	7.87	78.14	13.99

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	6705	0	116.8	36.3	-1.3	168	0.00
	Haryana	6215	0	123.4	76.7	1.1	177	0.00
	Rajasthan	15378	0	278.9	76.5	1.4	448	0.00
	Delhi	4361	0	69.2	59.3	-2.8	183	0.00
	UP	18137	0	315.7	84.1	-0.1	481	0.00
	Uttarakhand	2308	0	41.2	30.8	0.2	189	0.00
	HP	1934	0	33.8	25.7	-0.5	217	0.00
	J&K(UT) & Ladakh(UT)	2973	250	59.8	56.9	-2.4	70	4.65
WR	Chandigarh	231	0	4.0	4.1	-0.1	18	0.00
	Chhattisgarh	4428	0	93.1	37.5	-0.5	210	0.00
	Gujarat	16804	0	354.8	203.1	1.2	483	0.00
	MP	15298	0	300.5	180.9	-0.2	690	0.00
	Maharashtra	25790	0	518.7	144.4	-0.6	600	0.00
	Goa	573	0	11.9	11.2	0.4	44	0.00
	DD	331	0	7.3	7.1	0.2	68	0.00
	DNH	859	0	19.7	19.4	0.3	54	0.00
SR	AMNSIL	784	0	17.6	10.2	0.8	275	0.00
	Andhra Pradesh	11342	0	200.1	60.5	2.2	1085	0.00
	Telangana	11715	0	212.5	72.8	0.3	443	0.00
	Karnataka	13560	0	246.1	98.1	0.3	668	0.00
	Kerala	3838	0	76.7	57.0	-0.7	322	0.00
	Tamil Nadu	15225	0	316.5	189.4	-0.3	821	0.00
ER	Puducherry	380	0	7.5	7.7	-0.2	29	0.00
	Bihar	5033	0	85.0	76.7	-2.2	332	0.09
	DVC	3130	0	69.1	-41.2	-1.5	268	0.00
	Jharkhand	1529	0	29.9	20.4	-0.2	182	1.73
	Odisha	5532	0	102.7	41.8	-0.5	288	0.00
	West Bengal	6115	0	113.1	-4.1	-0.6	360	0.00
NER	Sikkim	119	0	1.9	2.1	-0.2	21	0.00
	Arunachal Pradesh	149	0	2.5	2.7	-0.3	56	0.00
	Assam	1472	0	25.0	18.0	0.1	90	0.00
	Manipur	248	0	3.6	3.5	0.1	56	0.00
	Meghalaya	401	0	7.7	6.3	0.0	50	0.00
	Mizoram	143	0	1.9	1.9	-0.4	27	0.00
	Nagaland	147	0	2.8	2.3	0.4	29	0.00
	Tripura	234	0	3.6	2.9	-0.4	52	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-0.5	-10.4	-19.6
Day Peak (MW)	-423.0	-635.9	-841.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.6	-106.7	98.9	-160.8	-0.9	0.0
Actual(MU)	148.8	-95.2	114.1	-165.7	-2.8	-0.8
OD/UD(MU)	-20.8	11.5	15.3	-4.9	-1.9	-0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5724	13498	6862	1646	344	26524	43
State Sector	10325	15493	7553	3450	11	35452	57
Total	16050	28991	14415	5096	355	61976	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	636	1289	582	584	14	3105	77
Lignite	27	8	45	0	0	81	2
Hvdro	103	46	96	26	10	281	7
Nuclear	33	21	70	0	0	124	3
Gas, Naptha & Diesel	15	14	9	0	30	68	2
RES (Wind, Solar, Biomass & Others)	105	77	166	5	0	353	9
Total	919	1455	968	615	54	4011	100
Share of RES in total generation (%)	11.47	5.30	17.11	0.84	0.77	8.82	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.28	9.88	34.20	5.09	19.24	18.90	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
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: 08-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	877	0.0	12.9	-12.9	
4	765 kV	SASARAM-FATEHPUR	1	0	570	0.0	9.7	-9.7	
5	765 kV	GAYA-BALIA	1	0	583	0.0	9.1	-9.1	
6	400 kV	PUSAULI-VARANASI	1	25	80	0.0	0.8	-0.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	158	0.0	1.4	-1.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	710	0.0	7.7	-7.7	
9	400 kV	PATNA-BALIA	4	0	1436	0.0	22.6	-22.6	
10	400 kV	BIHARSHARIF-BALIA	2	0	604	0.0	7.9	-7.9	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	450	0.0	7.1	-7.1	
12	400 kV	BIHARSHARIF-VARANASI	2	0	394	0.0	5.9	-5.9	
13	220 kV	SAHUPURI-KARMANASA	1	0	118	0.1	1.4	-1.4	
14	132 kV	SONENAGAR-RIHAND	1	0	0	0.1	0.0	0.1	
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	0.5	86.5	-86.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1096	0.0	14.2	-14.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1175	0.0	11.3	-11.3	
3	765 kV	JHARSUGUDA-DURG	2	51	398	0.0	4.4	-4.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	58	443	0.0	4.6	-4.6	
5	400 kV	RANCHI-SIPAT	2	27	303	0.0	2.4	-2.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	5	118	0.0	1.4	-1.4	
7	220 kV	BUDHIPADAR-KORBA	2	102	0	1.3	0.0	1.3	
						ER-WR	1.3	38.3	-37.0
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	1987	0.0	43.8	-43.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2560	0.0	47.9	-47.9	
4	400 kV	TALCHER/JC	2	284	590	0.1	0.0	0.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	101.6	-101.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	371	0	4.8	0.0	4.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	563	0	8.4	0.0	8.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	99	0	1.3	0.0	1.3	
						ER-NER	14.5	0.0	14.5
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	472	11.6	0.0	11.6	
						NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2021	0.0	40.2	-40.2	
2	HVDC	VINDHYACHAL B/B	-	318	0	8.5	0.0	8.5	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	127	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	0	1899	0.0	22.6	-22.6	
5	765 kV	GWALIOR-PHAGI	2	0	2101	0.0	34.1	-34.1	
6	765 kV	JABALPUR-ORAI	2	0	879	0.0	26.4	-26.4	
7	765 kV	GWALIOR-ORAI	1	959	0	17.3	0.0	17.3	
8	765 kV	SATNA-ORAI	1	0	1012	0.0	19.6	-19.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	2149	0	38.1	0.0	38.1	
10	765 kV	VINDHYACHAL-VARANASI	2	182	1872	0.0	23.0	-23.0	
11	400 kV	ZERDA-KANKROLI	1	379	0	6.6	0.0	6.6	
12	400 kV	ZERDA-BHINMAL	1	534	0	6.8	0.0	6.8	
13	400 kV	VINDHYACHAL-RIHAND	1	483	0	10.7	0.0	10.7	
14	400 kV	RAPP-SHUALPUR	2	306	324	1.5	2.2	-0.8	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	2.3	0.0	2.3	
17	220 kV	MEHGAON-AURAIYA	1	148	0	1.5	0.0	1.5	
18	220 kV	MALANPUR-AURAIYA	1	105	0	2.4	0.0	2.4	
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	95.7	171.2	-75.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	316	0.0	7.4	-7.4	
2	HVDC	RAIGARH-PUGALUR	2	0	1249	0.0	23.7	-23.7	
3	765 kV	SOLAPUR-RAICHUR	2	526	1328	0.7	15.3	-14.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2052	0.0	33.3	-33.3	
5	400 kV	KOLHAPUR-KUDGI	2	1324	0	21.0	0.0	21.0	
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	1.4	0.0	1.4	
						WR-SR	23.1	79.6	-56.5

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)	150	0	53	1.3
	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
	ER	132kV GELEPHU-SALAKATI	12	1	2	0.1
	NER	132kV MOTANGA-RANGIA	34	1	19	0.5
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.7
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-250	0	-109	-2.6
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-308	0	-255	-6.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-741	-696	-733	-17.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-100	0	-83	-2.0