



National Load Despatch Centre  
राष्ट्रीय भार प्रेषण केंद्र  
GRID CONTROLLER OF INDIA LIMITED  
ग्रीड कंट्रोलर ऑफ इंडिया 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: 08<sup>th</sup> February 2023

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 07.02.2023.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07- फ़रवरी-2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 07<sup>th</sup> February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 08-Feb-2023

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)	51161	60419	45212	21409	2726	180927
Peak Shortage (MW)	980	0	0	342	0	1322
Energy Met (MU)	1124	1441	1115	438	47	4164
Hydro Gen (MU)	132	54	96	29	9	319
Wind Gen (MU)	9	38	22	-	-	69
Solar Gen (MU)*	124.45	62.20	115.88	2.83	0.58	306
Energy Shortage (MU)	1.87	0.00	0.00	2.73	0.00	4.60
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57912	68632	56135	21714	2784	203936
Time Of Maximum Demand Met (From NLDC SCADA)	11:07	10:43	10:56	18:29	17:50	10:58

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	0.095	0.05	4.87	15.63	20.55	59.39	20.06

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	7674	0	146.8	54.1	0.2	178	0.30
	Haryana	8105	0	146.5	76.6	-0.1	100	0.81
	Rajasthan	16316	0	296.5	94.1	0.1	362	0.67
	Delhi	4064	0	69.4	61.5	-1.5	252	0.00
	UP	17841	0	326.5	90.0	0.5	390	0.00
	Uttarakhand	2300	0	41.4	30.0	-0.1	126	0.00
	HP	1912	0	33.0	26.2	-0.1	92	0.00
	J&K(UT) & Ladakh(UT)	2865	0	60.2	57.0	-2.6	60	0.09
	Chandigarh	238	0	3.6	3.7	-0.1	19	0.00
	Chhattisgarh	5141	0	110.0	56.1	0.3	208	0.00
WR	Gujarat	17772	0	384.6	226.3	1.1	725	0.00
	MP	15557	0	301.5	177.0	-2.6	430	0.00
	Maharashtra	27500	0	572.5	187.8	-1.1	580	0.00
	Goa	663	0	14.3	12.9	1.2	48	0.00
	DNHDDPDCL	1245	0	28.8	28.8	0.0	46	0.00
	AMNSIL	777	0	16.8	9.9	-0.1	276	0.00
	BALCO	515	0	12.3	12.4	-0.1	9	0.00
	Andhra Pradesh	11722	0	217.2	86.5	-0.5	474	0.00
	Telangana	12552	0	234.1	114.3	5.3	950	0.00
	Karnataka	14703	0	269.0	97.9	2.9	991	0.00
SR	Kerala	4024	0	78.8	61.2	-0.1	166	0.00
	Tamil Nadu	14965	0	307.4	178.5	1.2	1329	0.00
	Puducherry	394	0	8.5	8.3	-0.5	19	0.00
	Bihar	5149	0	89.9	81.2	-2.1	263	0.49
	DVC	3535	0	74.7	54.1	-0.4	243	0.00
	Jharkhand	1578	0	26.9	21.3	-2.1	122	2.24
	Odisha	4696	0	99.4	23.1	-1.4	380	0.00
	West Bengal	7305	0	144.9	13.8	-3.6	165	0.00
	Sikkim	121	0	1.9	1.6	0.4	63	0.00
	NER	Arunachal Pradesh	148	0	2.4	2.8	-0.5	32
Assam		1568	0	25.9	20.1	-0.4	136	0.00
Manipur		225	0	3.1	3.0	0.1	37	0.00
Meghalaya		402	0	7.2	5.8	0.0	69	0.00
Mizoram		137	0	2.1	1.6	-0.1	19	0.00
Nagaland		139	0	2.1	2.0	0.0	18	0.00
Tripura		249	0	4.1	2.2	0.2	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.1	-12.0	-24.0
Day Peak (MW)	-249.8	-553.2	-1038.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	131.8	-82.4	141.7	-188.1	-3.0	0.0
Actual(MU)	116.2	-78.6	162.9	-202.0	-2.5	-3.9
O/D/U/D(MU)	-15.6	3.8	21.3	-13.9	0.6	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7534	11840	6278	1525	574	27750	46
State Sector	8450	15636	6833	2072	78	33068	54
Total	15983	27475	13111	3597	652	60818	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	734	1402	634	689	16	3474	77
Lignite	30	20	50	0	0	99	2
Hydro	132	54	96	29	9	319	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	11	19	7	0	31	69	2
RES (Wind, Solar, Biomass & Others)	161	102	162	3	1	429	9
Total	1094	1633	1025	720	57	4529	100

Share of RES in total generation (%)	14.70	6.27	15.80	0.40	1.03	9.47
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.18	11.83	32.56	4.38	16.76	19.59

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.050

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.

\*\*Note: All generation MU figures are gross

Executive Director-NLDC

**INTER-REGIONAL EXCHANGES**

Import=(+ve)/Export =(-ve) for NET (MU)

Date of Reporting: 08-Feb-2023

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	0	296	0.0	736.0	-736.0	
3	765 kV	GAYA-VARANASI	2	0	939	0.0	17.3	-17.3	
4	765 kV	SASARAM-FAIZHUR	1	0	388	0.0	7.1	-7.1	
5	765 kV	GAYA-BALIA	1	0	729	0.0	11.4	-11.4	
6	400 kV	PUSAULI-VARANASI	1	0	201	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	151	0.0	3.9	-3.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	747	0.0	10.0	-10.0	
9	400 kV	PATNA-BALIA	2	0	779	0.0	15.9	-15.9	
10	400 kV	NAIBATTI-BALIA	2	0	850	0.0	15.0	-15.0	
11	400 kV	BIHARSHARIFE-BALIA	2	0	485	0.0	6.1	-6.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	503	0.0	8.7	-8.7	
13	400 kV	BIHARSHARIFE-VARANASI	2	0	364	0.0	5.8	-5.8	
14	220 kV	SAHUPUR-KARMANASA	1	0	164	0.0	2.8	-2.8	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	23	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>0.4</b>	<b>843.3</b>	<b>-842.8</b>
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	949	308	7.2	0.0	7.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	122	679	0.0	8.0	-8.0	
3	765 kV	JHARSUGUDA-DURG	2	0	473	0.0	9.3	-9.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	908	0.0	15.8	-15.8	
5	400 kV	RANCHI-SIPAT	2	0	250	0.0	3.6	-3.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	215	0.0	3.8	-3.8	
7	220 kV	BUDHIPADAR-KORBA	2	43	64	0.0	0.4	-0.4	
						<b>ER-WR</b>	<b>7.2</b>	<b>40.8</b>	<b>-33.6</b>
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	544	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1994	0.0	47.1	-47.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3073	0.0	60.5	-60.5	
4	400 kV	TALCHER-IC	2	238	251	0.0	2.9	-2.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>0.0</b>	<b>120.0</b>	<b>-120.0</b>
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	2	180	0	2.4	0.0	2.4	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	654	0	10.2	0.0	10.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	61	0	1.1	0.0	1.1	
						<b>ER-NER</b>	<b>13.7</b>	<b>0.0</b>	<b>13.7</b>
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	484	0	11.5	0.0	11.5	
						<b>NER-NR</b>	<b>11.5</b>	<b>0.0</b>	<b>11.5</b>
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1500	0.0	23.7	-23.7	
2	HVDC	VINDHYACHAL B/B	-	247	0	6.7	0.0	6.7	
3	HVDC	MUNDRA-MOHENDERGARH	2	687	0	9.0	0.0	9.0	
4	765 kV	GWALIOR-AGRA	2	60	1550	0.0	16.8	-16.8	
5	765 kV	GWALIOR-PHAGI	2	0	1890	0.0	29.2	-29.2	
6	765 kV	JABALPUR-ORAI	2	0	835	0.0	21.4	-21.4	
7	765 kV	GWALIOR-ORAI	1	1063	0	17.3	0.0	17.3	
8	765 kV	SATNA-ORAI	1	0	862	0.0	15.8	-15.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	2498	0	43.5	0.0	43.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1706	0.0	19.4	-19.4	
11	400 kV	ZERDA-KANKROLI	1	389	0	6.3	0.0	6.3	
12	400 kV	ZERDA-BHINMAL	1	519	0	7.4	0.0	7.4	
13	400 kV	VINDHYACHAL -RIHAND	1	482	0	10.9	0.0	10.9	
14	400 kV	RAPP-SHUJALPUR	2	479	353	3.0	1.5	1.5	
15	220 kV	BHANPURA-RANPUR	1	0	144	0.0	2.5	-2.5	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGAON-AURAIYA	1	110	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	81	0	1.8	0.0	1.8	
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	
						<b>WR-NR</b>	<b>107.0</b>	<b>131.0</b>	<b>-24.0</b>
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	13.3	-13.3	
2	HVDC	RAIGARH-PUGALUR	-	0	3007	0.0	36.1	-36.1	
3	765 kV	SOLAPUR-RAICHUR	2	190	1681	0.1	15.8	-15.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	2957	0.0	47.2	-47.2	
5	400 kV	KOLHAPUR-KUDGI	2	1380	0	24.1	0.0	24.1	
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	91	0.0	0.0	0.0	
						<b>WR-SR</b>	<b>24.2</b>	<b>112.4</b>	<b>-88.2</b>

**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)	0	0	0	-2.36
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*120MW)	185	0	59	1.57
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*90MW)	0	0	0	-1.89
	NER	132kV GELEPHU-SALAKATI	25	14	20	0.49
	NER	132kV MOTANGA-RANGIA	11	-6	4	0.09
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.52
	ER	NEPAL IMPORT (FROM BIHAR)	-124	-56	-85	-2.03
	ER	400kV DHALKHEBAR-MUZAFFARPUR 1&2	-353	-242	-352	-8.45
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-780	-894	-21.45
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-114	0	-107	-2.56