



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: 17<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 16.02.2023.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16- 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 16<sup>th</sup> February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 17-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)	49393	61956	46490	20848	2688	181375
Peak Shortage (MW)	2744	0	0	455	0	3199
Energy Met (MU)	1135	1452	1190	444	47	4267
Hydro Gen (MU)	135	76	91	30	8	340
Wind Gen (MU)	3	38	66	-	-	106
Solar Gen (MU)*	111.79	65.93	136.78	5.22	0.80	321
Energy Shortage (MU)	23.95	1.34	0.00	2.42	0.41	28.12
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	58875	68332	59534	21544	2721	206132
Time Of Maximum Demand Met (From NLDC SCADA)	11:18	10:42	10:26	18:16	18:08	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	0.081	0.61	2.62	10.48	13.71	64.16	22.13

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	888	0	154.7	61.6	-0.7	117	3.71
	Haryana	8107	0	147.8	73.6	-0.4	164	0.06
	Rajasthan	16183	0	301.8	103.2	-0.6	172	16.58
	Delhi	3811	0	67.9	57.8	-2.4	105	0.00
	UP	17710	0	330.6	93.8	-1.8	290	0.15
	Uttarakhand	1942	70	38.0	25.3	0.9	204	3.00
	HP	1832	0	31.5	23.6	-2.0	17	0.00
	J&K(UT) & Ladakh(UT)	2708	0	59.5	55.5	-1.7	168	0.45
	Chandigarh	230	0	3.5	3.7	-0.2	14	0.00
	Chhattisgarh	5184	29	113.5	61.0	-0.4	303	0.21
WR	Gujarat	18208	0	401.1	196.3	3.7	1165	0.00
	MP	15309	0	306.4	169.8	-0.7	657	1.13
	Maharashtra	27604	0	558.5	168.0	1.2	1123	0.00
	Goa	681	0	13.2	12.8	-0.1	65	0.00
	DNHDDPDCL	1249	0	28.8	29.1	-0.3	39	0.00
	AMNSIL	827	0	18.3	11.1	-0.4	240	0.00
	BALCO	517	0	12.3	12.4	-0.1	28	0.00
	Andhra Pradesh	11555	0	221.9	76.9	-0.5	393	0.00
	Telangana	13903	0	279.7	158.2	-0.6	1072	0.00
	Karnataka	14919	0	264.9	83.1	1.9	1195	0.00
SR	Kerala	4018	0	80.9	56.6	0.0	153	0.00
	Tamil Nadu	16043	0	333.8	178.6	-1.6	628	0.00
	Puducherry	396	0	8.8	8.6	-0.6	43	0.00
	Bihar	4943	0	87.6	76.1	-1.0	332	0.28
	DVC	3675	0	75.8	49.6	-1.0	260	0.00
	Jharkhand	1491	126	27.8	20.1	-0.5	120	2.14
	Odisha	4879	0	104.9	25.5	-1.3	410	0.00
	West Bengal	7139	0	145.6	25.6	-2.6	278	0.00
	Sikkim	118	0	1.9	1.3	0.5	55	0.00
	NER	Arunachal Pradesh	140	0	2.5	2.5	-0.1	24
Assam		1552	0	26.9	20.5	0.8	182	0.32
Manipur		218	0	2.9	2.9	-0.1	50	0.09
Meghalaya		381	0	6.9	6.2	-0.1	30	0.00
Mizoram		127	0	2.0	1.7	-0.2	16	0.00
Nagaland		138	0	2.1	2.1	-0.1	22	0.00
Tripura		211	0	3.5	2.7	-0.3	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.0	-10.8	-23.6
Day Peak (MW)	-297.2	-546.4	-1053.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	132.5	-134.4	165.1	-161.4	-1.8	0.0
Actual(MU)	125.5	-114.4	149.6	-164.9	-4.1	-8.4
O/D/U/D(MU)	-7.1	20.0	-15.5	-3.4	-2.3	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6706	15551	4928	2760	634	30578	50
State Sector	9285	13624	5069	2922	146	31045	50
Total	15990	29174	9997	5682	780	61623	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	744	1432	655	664	17	3512	76
Lignite	31	18	63	0	0	112	2
Hydro	135	76	91	30	8	340	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	17	17	6	0	31	71	2
RES (Wind, Solar, Biomass & Others)	140	106	224	5	1	476	10
Total	1093	1686	1115	699	58	4650	100

Share of RES in total generation (%)	12.81	6.28	20.14	0.01	1.39	10.19
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.52	12.99	35.11	1.20	15.40	20.08

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.052

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: 17-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	7.3	-7.3
3	765 kV	GAYA-VARANASI	2	0	759	0.0	14.1	-14.1
4	765 kV	SASARAM-FAITEHPUR	1	0	350	0.0	6.9	-6.9
5	765 kV	GAYA-BALIA	1	0	639	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	0	209	0.0	4.3	-4.3
7	400 kV	PUSAULI-ALLAHABAD	1	0	160	0.0	3.0	-3.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	608	0.0	6.8	-6.8
9	400 kV	PATNA-BALIA	2	0	553	0.0	11.3	-11.3
10	400 kV	NAUBATTI-BALIA	2	0	596	0.0	12.1	-12.1
11	400 kV	BIHARSHARIFE-BALIA	2	0	332	0.0	4.6	-4.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	342	0.0	5.1	-5.1
13	400 kV	BIHARSHARIFE-VARANASI	2	0	342	0.0	5.7	-5.7
14	220 kV	SAHUPUR-CHAMANASA	1	16	110	0.0	1.2	-1.2
15	132 kV	NAGARUNTARI-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	32	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>92.3</b>	<b>-91.9</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	708	427	2.9	0.0	2.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	597	562	0.0	0.4	-0.4
3	765 kV	JHARSUGUDA-DURG	2	0	786	0.0	13.2	-13.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	709	0.0	13.8	-13.8
5	400 kV	RANCHI-SIPAT	2	50	237	0.0	3.2	-3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	226	0.0	3.9	-3.9
7	220 kV	BUDHIPADAR-KORBA	2	25	55	0.0	0.3	-0.3
<b>ER-WR</b>						<b>2.9</b>	<b>34.8</b>	<b>-31.9</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	436	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2004	0.0	41.3	-41.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2984	0.0	57.2	-57.2
4	400 kV	TALCHER-IC	2	690	241	3.0	0.0	3.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>108.4</b>	<b>-108.4</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAOON	2	199	0	2.8	0.0	2.8
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	708	0	11.1	0.0	11.1
3	220 kV	ALIPURDUAR-SALAKATI	2	68	0	1.0	0.0	1.0
<b>ER-NER</b>						<b>14.8</b>	<b>0.0</b>	<b>14.8</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	1506	0.0	35.9	-35.9
2	HVDC	VINDHYACHAL B/B	-	249	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHENDERGARH	2	976	0	15.5	0.0	15.5
4	765 kV	GWALIOR-AGRA	2	0	1667	0.0	20.6	-20.6
5	765 kV	GWALIOR-PHAGI	2	0	1892	0.0	31.2	-31.2
6	765 kV	JABALPUR-ORAI	2	0	1049	0.0	26.2	-26.2
7	765 kV	GWALIOR-ORAI	1	982	0	18.6	0.0	18.6
8	765 kV	SATNA-ORAI	1	0	873	0.0	16.2	-16.2
9	765 kV	BANASKANTHA-CHITORGARH	2	2047	0	37.2	0.0	37.2
10	765 kV	VINDHYACHAL-VARANASI	2	0	2067	0.0	25.6	-25.6
11	400 kV	ZERDA-KANKROLI	1	274	0	4.8	0.0	4.8
12	400 kV	ZERDA-BHINMAL	1	590	0	5.9	0.0	5.9
13	400 kV	VINDHYACHAL -RIHAND	1	490	0	10.8	0.0	10.8
14	400 kV	RAPP-SHUJALPUR	2	278	455	0.2	0.0	0.2
15	220 kV	BHANPURA-RANPUR	1	0	163	0.0	2.8	-2.8
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
17	220 kV	MEHGAON-AURAIYA	1	132	0	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	99	0	2.0	0.0	2.0
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>102.9</b>	<b>160.5</b>	<b>-57.7</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	300	1012	0.0	12.9	-12.9
2	HVDC	RAIGARH-PUGALUR	2	0	5008	0.0	41.5	-41.5
3	765 kV	SOLAPUR-RAICHUR	2	1286	1602	0.0	6.1	-6.1
4	765 kV	WARDHA-NIZAMABAD	2	0	3404	0.0	51.9	-51.9
5	400 kV	KOLHAPUR-KUDGI	2	1281	0	20.8	0.0	20.8
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.5	0.0	0.5
8	220 kV	XELDEM-AMBEWADI	1	0	122	2.3	0.0	2.3
<b>WR-SR</b>						<b>23.6</b>	<b>112.3</b>	<b>-88.6</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	-2.43
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	192	0	50	1.41
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*90MW)	0	0	0	-2.28
	NER	132kV GELEPHU-SALAKATI	28	14	46	1.10
	NER	132kV MOTANGA-RANGIA	25	0	7	0.16
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-57	-1.37
	ER	NEPAL IMPORT (FROM BHAR)	-127	-67	-94	-2.26
	ER	400kV DHALKHEBAR-MUZAFFARPUR 1&2	-345	-100	-300	-7.21
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-916	-798	-869	-20.86
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-137	0	-113	-2.72