



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: 20<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 19.02.2023.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19- 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 19<sup>th</sup> February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 20-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)	47344	58895	43008	20090	2507	171844
Peak Shortage (MW)	0	0	0	322	0	322
Energy Met (MU)	1092	1419	1148	434	45	4138
Hydro Gen (MU)	145	68	70	29	7	318
Wind Gen (MU)	17	31	36	-	-	83
Solar Gen (MU)*	126.32	64.47	133.14	5.58	0.73	330
Energy Shortage (MU)	0.83	0.24	0.00	2.55	0.00	3.62
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55210	67163	57229	20872	2601	199139
Time Of Maximum Demand Met (From NLDC SCADA)	10:14	10:55	11:23	18:38	18:02	10:14

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	0.053	0.00	0.21	2.84	3.04	67.84	29.12

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	7369	0	156.3	67.6	-1.2	81	0.00
	Haryana	6897	0	129.0	58.1	-1.0	172	0.00
	Rajasthan	16149	0	307.5	104.2	-1.2	204	0.73
	Delhi	3600	0	61.8	51.2	-2.3	177	0.00
	UP	17729	0	313.5	83.1	0.1	503	0.00
	Uttarakhand	1990	0	36.9	24.5	0.0	159	0.00
	HP	1580	0	27.2	19.1	-0.8	61	0.00
	J&K(UT) & Ladakh(UT)	2626	0	56.9	50.4	-2.8	36	0.10
WR	Chandigarh	174	0	3.0	3.2	-0.2	14	0.00
	Chhattisgarh	5164	0	112.4	61.1	-1.4	136	0.00
	Gujarat	17924	0	391.0	199.9	-1.5	568	0.00
	MP	15004	0	298.3	188.3	-1.8	619	0.24
	Maharashtra	26790	0	546.9	162.6	-0.3	515	0.00
	Goa	610	0	12.7	12.7	0.0	28	0.00
	DNHDDPDCL	1183	0	27.1	27.1	0.0	68	0.00
	AMNSIL	821	0	18.1	11.2	0.0	246	0.00
SR	BALCO	519	0	12.4	12.4	0.0	9	0.00
	Andhra Pradesh	11498	0	217.7	90.3	-0.8	380	0.00
	Telangana	14159	0	286.3	161.2	0.3	705	0.00
	Karnataka	14097	0	258.5	91.3	0.5	988	0.00
	Kerala	3700	0	73.3	57.4	-0.1	267	0.00
	Tamil Nadu	14938	0	304.7	174.1	-1.2	346	0.00
	Puducherry	341	0	8.1	7.9	-0.6	44	0.00
	Bihar	4891	0	84.5	76.6	-3.9	253	0.39
ER	DVC	3616	0	75.1	-32.3	0.1	295	0.00
	Jharkhand	1572	0	28.4	20.7	-1.3	107	2.16
	Odisha	5025	0	106.6	25.0	0.2	368	0.00
	West Bengal	6616	0	137.7	8.9	-3.0	194	0.00
	Sikkim	93	0	1.9	1.3	0.6	39	0.00
NER	Arunachal Pradesh	144	0	2.3	2.3	0.0	46	0.00
	Assam	1479	0	25.8	19.5	0.2	101	0.00
	Manipur	195	0	2.8	2.9	-0.1	40	0.00
	Meghalaya	349	0	6.4	6.2	-0.2	27	0.00
	Mizoram	105	0	1.6	1.5	-0.4	8	0.00
	Nagaland	137	0	2.0	2.0	-0.1	18	0.00
Tripura	226	0	3.8	3.4	0.0	37	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-3.6	-9.6	-23.2
Day Peak (MW)	-320.7	-478.0	-1061.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	96.1	-121.4	185.5	-162.9	2.7	0.0
Actual(MU)	84.6	-102.8	177.1	-165.9	0.9	-6.0
O/D/U/D(MU)	-11.5	18.7	-8.4	-3.0	-1.7	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6733	14326	5388	2560	894	29900	48
State Sector	9555	13954	5439	3112	167	32226	52
Total	16288	28279	10827	5672	1061	62126	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	709	1417	637	645	12	3420	76
Lignite	31	15	65	0	0	110	2
Hvdro	145	68	70	29	7	318	7
Nuclear	20	37	76	0	0	133	3
Gas, Naptha & Diesel	15	14	7	0	31	67	1
RES (Wind, Solar, Biomass & Others)	168	97	190	6	1	463	10
Total	1089	1648	1044	681	50	4511	100
Share of RES in total generation (%)	15.45	5.91	18.19	0.93	1.45	10.25	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.62	12.26	32.21	5.16	14.86	20.26	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.051

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: 20-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	PUSMILLI-BR	-	0	206	0.0	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	0	537	0.0	8.9	-8.9	
4	765 kV	SASARAM-FAHEHPUR	1	0	341	0.0	5.3	-5.3	
5	765 kV	GAYA-BALIA	1	0	692	0.0	11.5	-11.5	
6	400 kV	PUSAULL-VARANASI	1	0	221	0.0	4.6	-4.6	
7	400 kV	PUSAULL-ALLAHABAD	1	0	165	0.0	2.5	-2.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	655	0.0	7.0	-7.0	
9	400 kV	PATNA-BALIA	2	0	546	0.0	10.9	-10.9	
10	400 kV	NAUBATPUR-BALIA	2	0	587	0.0	11.7	-11.7	
11	400 kV	BIHARSHARIFF-BALIA	2	0	367	0.0	5.5	-5.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	418	0.0	6.1	-6.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	347	0.0	5.0	-5.0	
14	220 kV	SAHUPURI-KARMANASA	1	5	105	0.0	1.2	-1.2	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAB-RIHAND	1	25	0	0.6	0.0	0.6	
17	132 kV	KARMANASA-SAHUPURI	1	0	47	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	87.4	-86.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1609	0	18.3	0.0	18.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	132	713	0.0	7.1	-7.1	
3	765 kV	JHARSUGUDA-DURG	2	0	663	0.0	11.5	-11.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	773	0.0	14.3	-14.3	
5	400 kV	RANCHI-SIPAT	2	0	293	0.0	4.8	-4.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	185	0.0	3.2	-3.2	
7	220 kV	BUDHIPADAR-KORBA	2	38	82	0.0	0.4	-0.4	
						ER-WR	18.3	41.1	-22.9
<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	1644	0.0	39.6	-39.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2990	0.0	56.8	-56.8	
4	400 kV	TALCHER-I/C	2	0	379	0.0	6.9	-6.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	106.4	-106.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	117	0	1.7	0.0	1.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	463	0	7.1	0.0	7.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	48	0	0.7	0.0	0.7	
						ER-NER	9.4	0.0	9.4
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	482	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1006	0.0	23.6	-23.6	
2	HVDC	VINDHYACHAL B/B	-	250	0	6.7	0.0	6.7	
3	HVDC	MUNDRA-MOHINDERGARH	3	301	0	7.1	0.0	7.1	
4	765 kV	GWALIOR-AGRA	2	295	1671	0.1	13.2	-13.1	
5	765 kV	GWALIOR-PHAGI	2	0	1849	0.0	26.2	-26.2	
6	765 kV	JABALPUR-ORAI	2	0	811	0.0	18.9	-18.9	
7	765 kV	GWALIOR-ORAI	1	961	0	18.3	0.0	18.3	
8	765 kV	SATNA-ORAI	1	0	764	0.0	14.3	-14.3	
9	765 kV	BANASKANTHA-CHITORGARH	2	2284	0	42.3	0.0	42.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1776	0.0	23.6	-23.6	
11	400 kV	ZERDA-KANKROLI	1	342	0	5.8	0.0	5.8	
12	400 kV	ZERDA-BHINMAL	1	594	0	8.5	0.0	8.5	
13	400 kV	VINDHYACHAL-RIHAND	1	479	0	11.0	0.0	11.0	
14	400 kV	RAPP-SHUJALPUR	2	582	368	4.2	1.0	3.2	
15	220 kV	BHANPURA-RANPUR	1	0	170	0.0	2.7	-2.7	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4	
17	220 kV	MEHGAON-AURAIYA	1	121	0	1.4	0.0	1.4	
18	220 kV	MALANPUR-AURAIYA	1	90	0	2.1	0.0	2.1	
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	107.5	124.8	-17.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.4	-16.4	
2	HVDC	RAIGARH-PUGALUR	2	0	4017	0.0	49.8	-49.8	
3	765 kV	SOLAPUR-RAICHUR	2	447	1848	0.6	12.3	-11.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	3420	0.0	53.4	-53.4	
5	400 kV	KOLHAPUR-KUDGI	2	1205	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	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	124	2.3	0.0	2.3	
						WR-SR	23.6	131.9	-108.3
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve) Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	0	0	0	-2.03			
	ER	400kV TALA-BINAGURI 1,2,4 I.e. 400kV MALBASE - BINAGURI I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	177	0	50	1.38			
	ER	220kV CHUKHA-BIRPARA 1&2 I.e. 220kV MALBASE - BIRPARA I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.10			
	NER	132kV GELEPHU-SALAKATI	-13	0	-2	-0.05			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.00			
	ER	NEPAL IMPORT (FROM BIHAR)	-153	-48	-98	-2.35			
	ER	400kV DHAIKHEBAR-MUZAFFARPUR 1&2	-325	-233	-302	-7.25			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-918	-738	-846	-20.30			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-143	0	-120	-2.88			