



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: 9<sup>th</sup> March 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 08.03.2023.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मार्च -2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रांभांप्रेंकें 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 8<sup>th</sup> March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 09-Mar-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)	40908	50001	46639	19204	2421	159173
Peak Shortage (MW)	18	0	0	0	0	18
Energy Met (MU)	993	1181	1227	426	43	3871
Hydro Gen (MU)	126	27	53	23	8	237
Wind Gen (MU)	11	47	99	-	-	157
Solar Gen (MU)*	134.87	62.07	124.20	2.17	0.97	324
Energy Shortage (MU)	0.22	0.00	0.00	0.40	0.00	0.62
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49548	53970	60327	19823	2504	183185
Time Of Maximum Demand Met (From NLDC SCADA)	12:16	11:01	10:15	18:17	18:24	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	0.063	0.00	0.00	3.55	3.55	66.32	30.12

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	8913	0	167.0	77.0	-0.9	145	0.00
	Haryana	5624	0	113.0	73.5	-0.7	204	0.00
	Rajasthan	12543	0	232.9	53.1	-2.0	326	0.00
	Delhi	2444	0	51.2	45.4	-1.5	111	0.00
	UP	15500	0	322.9	99.8	-1.1	675	0.00
	Uttarakhand	1382	0	26.5	19.0	-0.6	278	0.00
	HP	1273	0	22.4	16.2	-0.5	67	0.04
	J&K(UT) & Ladakh(UT)	2609	0	55.0	48.8	-1.3	74	0.18
	Chandigarh	162	0	2.8	3.0	-0.3	5	0.00
	Chhattisgarh	4545	0	97.8	47.9	-0.7	481	0.00
WR	Gujarat	14575	0	301.6	163.5	-2.0	839	0.00
	MP	11202	0	216.2	113.4	-8.6	420	0.00
	Maharashtra	24781	0	504.9	166.6	-1.0	872	0.00
	Goa	608	0	11.9	12.5	-0.7	43	0.00
	DNHDDPDCL	1118	0	18.2	18.4	-0.2	66	0.00
	AMNSIL	793	0	17.9	10.5	0.4	279	0.00
	BALCO	518	0	12.4	12.5	-0.1	3	0.00
	Andhra Pradesh	11421	0	222.1	79.7	-1.3	538	0.00
	Telangana	14187	0	286.6	165.6	0.4	718	0.00
	Karnataka	14959	0	278.9	109.2	-2.1	725	0.00
SR	Kerala	4209	0	85.8	73.0	-0.2	180	0.00
	Tamil Nadu	16295	0	345.3	201.2	-8.4	303	0.00
	Puducherry	363	0	8.2	8.4	-1.0	14	0.00
	Bihar	4231	0	81.6	74.1	-2.3	294	0.21
	DVC	3380	0	65.6	47.9	-1.3	343	0.00
	Jharkhand	1395	84	26.5	24.8	-3.2	169	0.19
	Odisha	5033	0	108.4	35.1	-1.4	288	0.00
	West Bengal	6738	0	143.1	16.0	-3.7	60	0.00
	Sikkim	78	0	1.2	1.3	-0.1	39	0.00
	NER	Arunachal Pradesh	133	0	2.2	2.3	-0.2	22
Assam		1393	0	24.4	18.6	0.0	107	0.00
Manipur		189	0	2.6	2.7	-0.1	17	0.00
Meghalaya		340	0	6.4	5.4	0.0	27	0.00
Mizoram		113	0	1.6	1.6	-0.3	5	0.00
Nagaland		143	0	2.3	2.3	-0.1	10	0.00
Tripura		237	0	4.0	3.3	-0.2	27	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-1.6	-7.8	-23.8	0.3
Day Peak (MW)	-248.0	-518.9	-1043.0	31.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	115.2	-183.0	225.5	-159.1	1.5	0.0
Actual(MU)	105.7	-188.3	231.8	-154.3	2.1	-3.1
OD/UD(MU)	-9.5	-5.3	6.3	4.8	0.5	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7894	12004	4978	1645	825	27346	46
State Sector	10791	13146	4826	2860	162	31784	54
Total	18685	25150	9804	4505	987	59130	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	604	1286	621	629	9	3149	75
Lignite	28	19	58	0	0	104	2
Hydro	126	27	53	23	8	237	6
Nuclear	24	44	77	0	0	145	3
Gas, Naptha & Diesel	8	4	7	0	31	50	1
RES (Wind, Solar, Biomass & Others)	171	110	253	4	1	538	13
Total	961	1491	1067	655	48	4222	100

Share of RES in total generation (%)	17.76	7.38	23.71	0.55	2.02	12.75
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.39	12.17	35.82	4.02	18.46	21.79

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.056

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

\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve)/Export =(-ve) for NET (MU)  
Date of Reporting: 09-Mar-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	7.1	-7.1	
3	765 kV	GAYA-VARANASI	2	143	783	0.0	8.9	-8.9	
4	765 kV	SASARAM-FAZEPUR	1	63	358	0.0	4.2	-4.2	
5	765 kV	GAYA-BALIA	1	0	567	0.0	10.2	-10.2	
6	400 kV	PUSAULI-VARANASI	1	0	234	0.0	4.1	-4.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	163	0.0	2.9	-2.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	544	0.0	7.1	-7.1	
9	400 kV	PATNA-BALIA	2	0	594	0.0	8.1	-8.1	
10	400 kV	NAIBATTI-R-BALIA	2	0	534	0.0	8.4	-8.4	
11	400 kV	BIHARSHARIFE-BALIA	2	33	293	0.0	3.5	-3.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	405	0.0	5.8	-5.8	
13	400 kV	BIHARSHARIFE-VARANASI	2	99	301	0.0	3.3	-3.3	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	141	0.0	2.2	-2.2	
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	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	75.7	-75.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	994	53	7.9	0.0	7.9	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	354	928	0.0	6.1	-6.1	
3	765 kV	JHARSUGUDA-DURG	2	0	481	0.0	9.0	-9.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	624	0.0	8.8	-8.8	
5	400 kV	RANCHI-SIPA	2	54	329	0.0	3.7	-3.7	
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	177	0.0	3.2	-3.2	
7	220 kV	BUDDHIPADAR-KORBA	2	93	63	0.3	0.0	0.3	
						ER-WR	8.1	30.9	-22.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	651	0.0	15.0	-15.0	
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1986	0.0	42.5	-42.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2984	0.0	56.9	-56.9	
4	400 kV	TALCHER-I/C	2	545	1010	0.0	1.0	-1.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	114.3	-114.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BHANGUR-BOGAIGAON	2	141	34	1.6	0.0	1.6	
2	400 kV	ALIPURDUAR-BOGAIGAON	2	513	0	6.9	0.0	6.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	51	6	0.7	0.0	0.7	
						ER-NER	9.1	0.0	9.1
<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-KURKSHETRA	2	0	1004	0.0	23.0	-23.0	
2	HVDC	VINDHYACHAL-B/B	-	138	0	3.7	0.0	3.7	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	300	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	1778	0.0	23.0	-23.0	
5	765 kV	GWALIOR-PHAGI	2	168	1722	0.0	22.4	-22.4	
6	765 kV	JABALPUR-ORAI	2	0	608	0.0	16.5	-16.5	
7	765 kV	GWALIOR-ORAI	1	864	0	15.2	0.0	15.2	
8	765 kV	SATNA-ORAI	1	0	793	0.0	15.7	-15.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	1944	0	36.8	0.0	36.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1702	0.0	24.6	-24.6	
11	400 kV	ZERDA-KANKROLI	1	377	0	6.3	0.0	6.3	
12	400 kV	ZERDA-BHINMAL	1	598	0	9.5	0.0	9.5	
13	400 kV	VINDHYACHAL-RIHAND	1	471	0	10.7	0.0	10.7	
14	400 kV	RAPS-SHILAPUR	2	446	431	2.8	2.4	0.4	
15	220 kV	BHANPURA-RANPUR	1	0	93	0.0	1.4	-1.4	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7	
17	220 kV	MEHGAON-AURAIYA	1	100	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	71	10	1.3	0.0	1.3	
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	87.3	137.0	-49.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI-B/B	-	0	1016	0.0	20.0	-20.0	
2	HVDC	BAHARH-PUGAUR	2	0	5021	0.0	87.8	-87.8	
3	765 kV	KOLAPUR-KAICHULP	2	1130	1996	2.1	19.3	-17.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	3499	0.0	58.8	-58.8	
5	400 kV	KOLHAPUR-KUDGI	2	1490	0	20.6	0.0	20.6	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	BONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	NELDEMI-AMBEWADI	1	0	102	2.0	0.0	2.0	
						WR-SR	24.7	186.0	-161.3
<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&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	0	0	0	-1.56			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	165	0	60	1.44			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.78			
	NER	132kV GELEPHU-SALAKATI	24	-16	17	0.40			
NEPAL	NER	132kV MOTANGA-RANGIA	-10	-2	-3	-0.08			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-59	-1.41			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-326	-127	-218	-5.22			
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-901 32	-784 0	-869 14	-20.86 0.33			
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-142	0	-121	-2.90			