



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: 03<sup>rd</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 02.03.2023.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-मार्च -2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 02 March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 03-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)	49843	63116	47197	22066	2576	184798
Peak Shortage (MW)	2362	429	0	475	55	3321
Energy Met (MU)	1127	1484	1242	471	46	4370
Hydro Gen (MU)	122	59	65	27	8	281
Wind Gen (MU)	29	54	106	-	-	190
Solar Gen (MU)*	121.78	60.51	132.98	2.59	0.84	319
Energy Shortage (MU)	9.27	4.38	0.00	2.80	0.60	17.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56410	69310	60987	22759	2754	208238
Time Of Maximum Demand Met (From NLDC SCADA)	11:12	10:55	10:42	18:35	18:07	11:12

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	0.080	0.10	1.06	7.28	8.45	64.88	26.68

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	7082	0	136.0	27.8	0.7	272	3.02
	Haryana	7232	0	136.4	90.5	0.5	226	1.06
	Rajasthan	15236	24	300.1	81.8	0.2	197	2.83
	Delhi	3694	0	69.3	60.7	-1.0	185	0.00
	UP	17838	0	354.5	111.6	-1.5	558	0.07
	Uttarakhand	1878	0	37.9	29.0	0.3	198	1.84
	HP	1904	0	33.5	25.4	0.6	144	0.00
	J&K(UT) & Ladakh(UT)	2636	0	56.1	51.7	-1.4	139	0.45
WR	Chandigarh	200	0	3.3	3.5	-0.2	34	0.00
	Chhattisgarh	5393	0	120.3	65.3	0.2	382	0.00
	Gujarat	19075	0	418.2	185.9	-0.4	638	0.00
	MP	14225	0	292.1	160.3	-2.1	683	4.38
	Maharashtra	28288	0	579.6	174.6	1.6	726	0.00
	Goa	683	0	14.4	13.4	0.5	43	0.00
	DNHDDPDCL	1266	0	28.8	29.1	-0.3	28	0.00
	AMNSIL	789	0	17.8	10.6	0.3	272	0.00
	BALCO	516	0	12.3	12.4	-0.1	12	0.00
	SR	Andhra Pradesh	11520	0	225.6	70.2	-1.5	473
Telangana		14390	0	295.8	162.6	-0.8	857	0.00
Karnataka		14728	0	279.0	89.9	-5.5	458	0.00
Kerala		4253	0	85.6	65.6	-0.3	286	0.00
Tamil Nadu		17463	0	346.7	194.3	-2.1	484	0.00
Puducherry		400	0	9.1	8.8	-0.5	15	0.00
ER		Bihar	5040	190	93.5	84.2	-1.5	345
	DVC	3421	0	72.4	-41.7	3.2	464	0.00
	Jharkhand	1339	169	27.9	24.4	-2.4	94	2.34
	Odisha	5224	0	111.0	28.7	-1.6	315	0.00
	West Bengal	7941	0	164.7	30.4	-2.3	148	0.00
	Sikkim	115	0	1.8	0.9	0.9	66	0.00
NER	Arunachal Pradesh	145	0	2.4	2.2	0.1	77	0.00
	Assam	1577	0	26.5	20.8	0.7	206	0.56
	Manipur	212	0	2.9	2.8	0.1	52	0.04
	Meghalaya	347	0	6.5	4.6	0.1	57	0.00
	Mizoram	127	0	1.8	1.6	-0.2	16	0.00
	Nagaland	153	0	2.3	2.3	-0.1	19	0.00
	Tripura	231	0	3.9	3.3	-0.3	13	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-3.5	-13.2	-24.0	0.3
Day Peak (MW)	-324.0	-584.8	-1060.0	13.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	127.0	-141.5	153.3	-139.5	0.7	0.0
Actual(MU)	119.9	-122.3	131.9	-135.4	1.4	-4.4
O/D/U/D(MU)	-7.1	19.2	-21.4	4.1	0.7	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8344	15689	3378	2200	880	30491	53
State Sector	10895	9091	3388	3530	162	27065	47
Total	19238	24780	6766	5730	1042	57555	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	718	1481	714	658	12	3583	76
Lignite	31	18	60	0	0	110	2
Hydro	122	59	65	27	8	281	6
Nuclear	20	37	71	0	0	127	3
Gas, Naptha & Diesel	9	21	6	0	31	68	1
RES (Wind, Solar, Biomass & Others)	176	117	266	3	1	562	12
Total	1077	1733	1182	688	52	4731	100

Share of RES in total generation (%)	16.38	6.73	22.50	0.38	1.62	11.89
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.55	12.27	33.95	4.31	17.03	20.52

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.040

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: 03-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	7.0	-7.0	
3	765 kV	GAYA-VARANASI	2	0	486	0.0	8.6	-8.6	
4	765 kV	SASARAM-FAFTEHPUR	1	0	310	0.0	5.2	-5.2	
5	765 kV	GAYA-BALIA	1	0	611	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	1	0	233	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	171	0.0	2.7	-2.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	514	0.0	5.4	-5.4	
9	400 kV	PATNA-BALIA	2	0	453	0.0	8.6	-8.6	
10	400 kV	NAUBATTI-R-BALIA	2	0	478	0.0	9.1	-9.1	
11	400 kV	BIHARSHARIFE-BALIA	2	27	258	0.0	2.8	-2.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	330	0.0	5.1	-5.1	
13	400 kV	BIHARSHARIFE-VARANASI	2	58	175	0.0	1.2	-1.2	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	157	0.0	2.4	-2.4	
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
17	132 kV	KARMANASA-SAHUPURI	1	0	45	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	71.8	-71.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSHUGUDA-DHARAMJIAGARH	4	700	113	6.5	0.0	6.5	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	326	332	0.0	0.9	-0.9	
3	765 kV	JHARSHUGUDA-DURG	2	0	613	0.0	10.8	-10.8	
4	400 kV	JHARSHUGUDA-RAIGARH	4	0	729	0.0	13.0	-13.0	
5	400 kV	RANCHI-SIPA	2	0	229	0.0	3.3	-3.3	
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	190	0.0	3.6	-3.6	
7	220 kV	BUDDHIPADAR-KORBA	2	16	106	0.0	1.3	-1.3	
						ER-WR	6.5	32.9	-26.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	549	0.0	8.5	-8.5	
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1966	0.0	39.2	-39.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2670	0.0	51.1	-51.1	
4	400 kV	TALCHER-I/C	2	698	233	5.0	0.0	5.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	98.8	-98.8
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOIN	2	243	19	2.2	0.0	2.2	
2	400 kV	ALIPURDUAR-BONGAIGAOIN	2	489	0	6.6	0.0	6.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	51	0	0.8	0.0	0.8	
						ER-NER	9.6	0.0	9.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALLAGRA	2	484	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURKSHETRA	2	0	1820	0.0	23.3	-23.3	
2	HVDC	VINDHYACHAL-B/B	-	452	55	5.4	0.4	4.9	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1170	0.0	19.3	-19.3	
4	765 kV	GWALIOR-AGRA	2	0	1589	0.0	19.0	-19.0	
5	765 kV	GWALIOR-PHAGI	2	0	1557	0.0	25.1	-25.1	
6	765 kV	JABALPUR-ORAI	2	0	880	0.0	22.7	-22.7	
7	765 kV	GWALIOR-ORAI	1	851	0	15.5	0.0	15.5	
8	765 kV	SATNA-ORAI	1	0	943	0.0	17.0	-17.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	2320	0	36.5	0.0	36.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1572	0.0	25.3	-25.3	
11	400 kV	ZERDA-KANKROLI	1	411	0	6.2	0.0	6.2	
12	400 kV	ZERDA-BHINMAL	1	565	0	9.5	0.0	9.5	
13	400 kV	VINDHYACHAL-RIHAND	1	473	0	10.7	0.0	10.7	
14	400 kV	RAPS-SHILAIPTUR	2	359	297	2.2	2.2	0.0	
15	220 kV	BHANPURA-BANPUR	1	0	151	0.0	2.8	-2.8	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4	
17	220 kV	MEHGAON-AURAIYA	1	106	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	78	0	1.6	0.0	1.6	
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	88.9	157.0	-68.2
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI-B/B	-	300	312	0.9	6.3	-5.4	
2	HVDC	BAHARH-PUGAUR	2	0	4512	0.0	43.9	-43.9	
3	765 kV	KOLHAPUR-RAICHILUP	2	938	1313	3.8	7.5	-3.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	3143	0.0	54.2	-54.2	
5	400 kV	KOLHAPUR-KUDGI	2	1449	0	24.3	0.0	24.3	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	BONDA-AMBEWADI	1	0	197	0.0	0.0	0.0	
8	220 kV	NELDEMI-AMBEWADI	1	0	122	2.4	0.0	2.4	
						WR-SR	31.4	111.9	-80.5
<b>INTERNATIONAL EXCHANGES</b>									
						<b>Import(+ve)/Export(-ve)</b>			
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 IEP 4180MW)	0	0	0	-2.32			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA IEP 6170MW)	183	0	34	1.05			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA IEP 4584MW)	0	0	0	-2.54			
	NER	132kV GELEPHU-SALAKATI	23	10	16	0.39			
NEPAL	NER	132kV MOTANGA-RANGIA	-11	5	-3	-0.06			
	ER	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-65	-1.55			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-356	-190	-352	-8.45			
	ER	BHERAMARA B/B HVDC (B'DESH)	-912	-813	-878	-21.07			
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	14	7	11	0.25			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-148	0	-124	-2.97			