



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: 11<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 10.03.2023.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10<sup>th</sup> March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 11-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)	49932	59513	47918	20494	2692	180549
Peak Shortage (MW)	185	0	0	229	0	414
Energy Met (MU)	1074	1381	1267	455	48	4225
Hydro Gen (MU)	135	31	81	28	8	283
Wind Gen (MU)	9	40	65	-	-	114
Solar Gen (MU)*	137.21	68.55	121.50	2.07	0.71	330
Energy Shortage (MU)	1.15	0.00	0.00	2.83	0.04	4.02
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53567	64074	62942	21481	2782	201180
Time Of Maximum Demand Met (From NLDC SCADA)	11:11	10:55	10:40	18:22	18:03	11:28

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	0.059	0.00	0.31	10.32	10.64	66.67	22.69

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	7889	0	153.7	48.6	-0.7	163	0.12
	Haryana	7474	0	138.1	93.9	-0.5	170	0.00
	Rajasthan	13570	0	262.9	73.3	-1.4	126	0.33
	Delhi	3578	0	69.9	68.0	-0.1	216	0.00
	UP	17583	0	321.8	67.3	0.0	617	0.22
	Uttarakhand	1918	0	36.7	27.9	0.4	217	0.48
	HP	1760	0	31.5	23.9	-0.1	142	0.00
	J&K(UT) & Ladakh(UT)	2688	0	55.8	48.2	0.2	266	0.00
	Chandigarh	189	0	3.4	3.2	0.2	27	0.00
	Chhattisgarh	5820	0	114.1	61.5	-1.2	294	0.00
WR	Gujarat	18262	0	390.6	240.5	-3.2	925	0.00
	MP	11821	0	237.9	121.1	-3.7	264	0.00
	Maharashtra	27240	0	566.6	182.1	-1.6	607	0.00
	Goa	678	0	13.5	13.7	-0.4	52	0.00
	DNHDDPDCL	1230	0	27.7	28.0	-0.3	114	0.00
	AMNSIL	813	0	18.3	7.8	0.3	278	0.00
	BALCO	519	0	12.4	12.4	0.0	517	0.00
	Andhra Pradesh	11593	0	226.1	79.3	-0.5	341	0.00
	Telangana	14787	0	291.9	159.9	0.3	988	0.00
	Karnataka	15520	0	288.7	114.4	0.6	984	0.00
SR	Kerala	4274	0	88.4	69.9	-0.2	173	0.00
	Tamil Nadu	17647	0	362.3	205.9	-0.7	844	0.00
	Puducherry	399	0	9.3	9.0	-0.4	50	0.00
	Bihar	4858	121	90.2	77.6	0.0	331	1.11
	DVC	3494	0	69.6	49.3	-0.5	365	0.00
ER	Jharkhand	1427	0	27.7	24.2	-1.4	165	1.72
	Odisha	4926	0	108.7	36.4	-0.2	577	0.00
	West Bengal	7461	0	157.0	23.0	-3.6	180	0.00
	Sikkim	100	0	1.6	0.9	0.7	60	0.00
	Assam	1649	0	28.6	22.5	0.6	118	0.00
NER	Manipur	184	0	2.7	2.7	0.0	18	0.00
	Meghalaya	369	0	6.5	5.2	-0.1	46	0.04
	Mizoram	113	0	1.7	1.6	-0.2	7	0.00
	Nagaland	145	0	2.3	2.4	-0.2	6	0.00
	Tripura	243	0	4.1	3.5	-0.3	47	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-2.5	-11.8	-23.6	-2.6
Day Peak (MW)	-257.3	-572.7	-1031.0	-315.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	101.2	-138.4	204.9	-171.3	3.6	0.0
Actual(MU)	98.1	-141.2	204.1	-174.2	4.0	-9.3
O/D/U/D(MU)	-3.1	-2.8	-0.8	-2.9	0.3	-9.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7490	12824	3938	1645	825	26723	46
State Sector	10371	14118	4376	2360	305	31529	54
Total	17861	26942	8314	4005	1130	58251	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	688	1435	694	677	11	3506	77
Lignite	26	21	65	0	0	112	2
Hydro	135	31	81	28	8	283	6
Nuclear	25	32	77	0	0	133	3
Gas, Naptha & Diesel	4	4	6	0	31	45	1
RES (Wind, Solar, Biomass & Others)	171	109	217	4	1	502	11
Total	1049	1632	1140	709	51	4581	100

Share of RES in total generation (%)	16.33	6.71	19.02	0.50	1.39	10.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.55	10.56	32.84	4.41	17.57	20.04

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.053

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: 11-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	8.2	-8.2	
3	765 kV	GAYA-VARANASI	2	0	1027	0.0	15.7	-15.7	
4	765 kV	SASARAM-FAZLKHUR	1	0	471	0.0	7.1	-7.1	
5	765 kV	GAYA-BALIA	1	0	649	0.0	10.4	-10.4	
6	400 kV	PUSAULI-VARANASI	1	0	217	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	194	0.0	3.2	-3.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	729	0.0	8.2	-8.2	
9	400 kV	PATNA-BALIA	2	0	503	0.0	9.1	-9.1	
10	400 kV	NAUBATTI-R-BALIA	2	0	530	0.0	2.4	-2.4	
11	400 kV	BIHARSHARIFE-BALIA	2	74	315	0.0	3.5	-3.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	443	0.0	6.4	-6.4	
13	400 kV	BIHARSHARIFE-VARANASI	2	0	405	0.0	5.5	-5.5	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	160	0.0	2.4	-2.4	
15	132 kV	NAGARJUNTA-RIHAND	1	1	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	40	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDLAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	93.6	-93.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSHUGUDA-DHARAMJAGARH	4	1352	87	13.5	0.0	13.5	
2	765 kV	NEW RANCHI-DHARAMJAGARH	2	387	791	0.0	5.0	-5.0	
3	765 kV	JHARSHUGUDA-DURG	2	0	847	0.0	14.6	-14.6	
4	400 kV	JHARSHUGUDA-RAIGARH	4	0	776	0.0	13.3	-13.3	
5	400 kV	RANCHI-SIPAT	2	0	305	0.0	3.6	-3.6	
6	220 kV	BUDDHPADAR-RAIGARH	1	0	195	0.0	3.6	-3.6	
7	220 kV	BUDDHPADAR-KORBA	2	32	101	0.0	0.8	-0.8	
						ER-WR	13.5	40.9	-27.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	647	0.0	14.9	-14.9	
2	HVDC	TALCHER-KOLAR-BIPALE	2	0	1984	0.0	40.1	-40.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3273	0.0	58.5	-58.5	
4	400 kV	TALCHER-I/C	2	266	158	4.3	0.0	4.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	113.5	-113.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	2	122	46	1.2	0.1	1.2	
2	400 kV	ALIPURDUAR-BONGAIGAOON	1	487	23	5.8	0.0	5.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	47	6	0.6	0.0	0.6	
						ER-NER	7.6	0.1	7.5
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	483	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	994	0.0	18.6	-18.6	
2	HVDC	VINDHYACHAL-B/B	-	182	0	4.9	0.0	4.9	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	301	0.0	3.6	-3.6	
4	765 kV	GWALIOR-AGRA	2	147	1800	0.1	18.3	-18.2	
5	765 kV	GWALIOR-PHAGI	2	0	2136	0.0	32.8	-32.8	
6	765 kV	JABALPUR-ORAI	2	0	1022	0.0	19.5	-19.5	
7	765 kV	GWALIOR-ORAI	1	1077	0	17.1	0.0	17.1	
8	765 kV	SATNA-ORAI	1	0	1010	0.0	17.3	-17.3	
9	765 kV	BANASKANTHA-CHITORGARH	2	2785	0	52.8	0.0	52.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1787	0.0	23.2	-23.2	
11	400 kV	ZERDA-KANKROLI	1	453	0	8.7	0.0	8.7	
12	400 kV	ZERDA-BHINMAL	1	787	0	11.8	0.0	11.8	
13	400 kV	VINDHYACHAL-RIHAND	1	471	0	11.0	0.0	11.0	
14	400 kV	RAPS-SHILAPUR	2	377	0	57.8	2.3	-17.7	
15	220 kV	BHANPURA-BANPUR	1	0	120	0.0	2.0	-2.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGAON-AURAIYA	1	108	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	81	2	1.4	0.0	1.4	
19	132 kV	GWALIOR-SAWALMADHOPUR	1	1	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	24	0	0.0	0.0	0.0	
						WR-NR	110.8	140.1	-29.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI-B/B	-	0	1016	0.0	18.4	-18.4	
2	HVDC	BAHARH-PUGAUR	2	0	6042	0.0	77.3	-77.3	
3	765 kV	KOLHAPUR-KACHHUP	2	751	1563	0.6	14.6	-14.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	3151	0.0	53.8	-53.8	
5	400 kV	KOLHAPUR-KUDGI	2	1380	0	22.6	0.0	22.6	
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	122	2.4	0.0	2.4	
						WR-SR	25.5	164.2	-138.7
<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	0	-2.24		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA IEP 6170MW)	152	0	49	1.17			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA IEP 4584MW)	0	0	0	-1.52			
	NER	132kV GELEPHU-SALAKATI	23	7	15	0.35			
NEPAL	NER	132kV MOTANGA-RANGIA	-22	0	-8	-0.20			
	ER	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-65	-1.56			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-351	-138	-298	-7.16			
	ER	BHERAMARA B/B HVDC (B'DESH)	-894	-771	-863	-20.70			
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-315	-46	-108	-2.60			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-137	0	-119	-2.86			