



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: 6<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 05.03.2023.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-मार्च -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 5<sup>th</sup> March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 06-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)	49012	60213	43840	22153	2544	177762
Peak Shortage (MW)	0	0	0	211	0	211
Energy Met (MU)	1076	1421	1194	482	45	4218
Hydro Gen (MU)	122	31	59	26	7	245
Wind Gen (MU)	15	60	79	-	-	154
Solar Gen (MU)*	132.80	55.88	126.60	2.69	0.78	319
Energy Shortage (MU)	0.97	0.87	0.00	2.15	0.00	3.99
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53085	64872	57879	21743	2637	198014
Time Of Maximum Demand Met (From NLDC SCADA)	11:15	11:16	10:25	19:03	18:04	11:15

**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	0.047	0.00	0.09	4.49	4.58	67.13	28.28

**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	7972	0	154.3	45.3	-0.9	78	0.00
	Haryana	6953	0	132.8	90.3	-0.1	170	0.00
	Rajasthan	14174	0	270.7	77.1	-1.0	350	0.00
	Delhi	3450	0	62.4	56.7	-2.5	68	0.00
	UP	17959	0	328.5	100.8	-0.7	524	0.27
	Uttarakhand	1905	35	37.7	28.3	0.9	133	0.57
	HP	1746	0	31.3	24.3	0.6	129	0.00
	J&K(UT) & Ladakh(UT)	2650	0	55.5	50.1	-1.7	62	0.13
WR	Chhattisgarh	177	0	3.0	3.0	-0.1	16	0.00
	Chhattisgarh	5304	0	119.5	64.6	-1.2	251	0.00
	Gujarat	18218	0	406.0	193.5	-4.6	867	0.00
	MP	12445	0	256.9	136.7	-4.1	420	0.87
	Maharashtra	27184	0	568.0	181.9	-0.9	741	0.00
	Goa	634	0	12.4	12.5	-0.6	39	0.00
	DNHDDPDCL	1209	0	28.5	29.0	-0.5	35	0.00
	AMNSIL	823	0	17.2	10.6	-0.3	248	0.00
SR	BALCO	521	0	12.4	12.5	-0.1	9	0.00
	Andhra Pradesh	11484	0	223.8	80.2	-0.6	624	0.00
	Telangana	14245	0	293.1	154.4	1.3	625	0.00
	Karnataka	14360	0	269.0	92.5	0.0	557	0.00
	Kerala	3896	0	78.4	66.4	-0.3	221	0.00
	Tamil Nadu	15113	0	321.5	186.5	-5.3	511	0.00
	Puducherry	360	0	8.4	8.0	-0.4	35	0.00
	Bihar	4888	0	93.9	83.0	-1.5	281	0.53
ER	DVC	3443	0	73.9	-44.6	1.6	533	0.00
	Jharkhand	1521	0	29.1	26.2	-2.1	100	1.62
	Odisha	5452	0	121.4	43.2	-2.0	366	0.00
	West Bengal	7472	0	162.4	27.4	-3.4	138	0.00
	Sikkim	82	0	1.4	1.0	0.3	50	0.00
NER	Arunachal Pradesh	134	0	2.4	2.2	0.1	28	0.00
	Assam	1495	0	26.2	20.3	0.3	77	0.00
	Manipur	193	0	2.8	2.9	-0.1	16	0.00
	Meghalaya	305	0	5.7	5.0	0.0	17	0.00
	Mizoram	104	0	1.7	1.5	-0.2	14	0.00
	Nagaland	139	0	2.3	2.3	-0.1	11	0.00
	Tripura	248	0	4.1	3.6	0.0	25	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-3.2	-12.1	-24.1	0.3
Day Peak (MW)	-321.2	-561.0	-1055.0	22.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	129.8	-134.6	160.5	-157.3	1.6	0.0
Actual(MU)	120.5	-122.4	154.1	-157.2	1.4	-3.7
O/D/U/D(MU)	-9.3	12.2	-6.5	0.1	-0.2	-3.7

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7992	14859	3998	1175	880	28904	50
State Sector	9910	11486	5476	2170	162	29203	50
Total	17901	26345	9474	3345	1042	58106	100

**G. Sourcewise generation (Gross) (MU)**

	NR	WR	SR	ER	NER	All India	% Share
Coal	674	1407	682	695	11	3469	77
Lignite	32	18	52	0	0	101	2
Hvdro	122	31	59	26	7	245	5
Nuclear	20	32	76	0	0	129	3
Gas, Naptha & Diesel	11	7	7	0	32	56	1
RES (Wind, Solar, Biomass & Others)	173	117	234	4	1	530	12
Total	1031	1613	1110	725	50	4530	100

Share of RES in total generation (%)	16.79	7.26	21.11	0.57	1.55	11.69
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.54	11.21	33.29	4.16	14.97	19.93

**H. All India Demand Diversity Factor**

Based on Regional Max Demands	1.011
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

\*\*\*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: 06-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-BB	-	0	296	0.0	7.1	-7.1	
3	765 kV	GAYA-VARANASI	2	0	616	0.0	0.0	-9.4	
4	765 kV	SASARAM-FAITEHPUR	1	0	397	0.0	6.2	-6.2	
5	765 kV	GAYA-BALIA	1	0	705	0.0	11.7	-11.7	
6	400 kV	PUSAULI-VARANASI	1	0	187	0.0	3.8	-3.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	194	0.0	3.4	-3.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	609	0.0	8.1	-8.1	
9	400 kV	PATNA-BALIA	2	0	521	0.0	9.7	-9.7	
10	400 kV	NAUBATPUR-BALIA	2	0	544	0.0	10.0	-10.0	
11	400 kV	BIHARSHARIFF-BALIA	2	12	322	0.0	4.0	-4.0	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	396	0.0	6.5	-6.5	
13	400 kV	BIHARSHARIFF-VARANASI	2	13	286	0.0	3.8	-3.8	
14	220 kV	SAHUPUR-KARAMANASA	1	1	144	0.0	1.9	-1.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6	
17	132 kV	KARMANASA-SAHUPURI	1	0	27	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	85.3	-84.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1722	57	14.9	0.0	14.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	336	931	0.0	5.1	-5.1	
3	765 kV	JHARSUGUDA-RHANG	2	0	590	0.0	11.3	-11.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	670	0.0	12.3	-12.3	
5	400 kV	RANCHI-SIPAT	2	0	357	0.0	5.3	-5.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	188	0.0	3.4	-3.4	
7	220 kV	BUDHIPADAR-KORBA	1	50	72	0.0	0.3	-0.3	
						ER-WR	14.9	37.6	-22.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JHEKROBE-GA/UMAKA/B/B	2	0	650	0.0	15.0	-15.0	
2	HVDC	TALCHER-KOLAR HIPOLE	2	0	1981	0.0	37.7	-37.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3274	0.0	58.5	-58.5	
4	400 kV	TALCHER-I/C	2	684	166	6.4	0.0	6.4	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	111.1	-111.1
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	150	38	1.8	0.1	1.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	553	0	7.5	0.0	7.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	55	9	0.7	0.0	0.7	
						ER-NER	9.9	0.1	9.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	484	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-KURUSHETRA	2	0	309	0.0	7.6	-7.6	
2	HVDC	VINDHYACHAL-BBP	-	137	0	3.3	0.0	-3.3	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1455	0.0	25.6	-25.6	
4	765 kV	GWALIOR-AGRA	2	0	2094	0.0	25.1	-25.1	
5	765 kV	GWALIOR-PHAGI	2	0	2043	0.0	30.2	-30.2	
6	765 kV	JABALPUR-ORAI	2	0	914	0.0	22.9	-22.9	
7	765 kV	GWALIOR-ORAI	1	1019	0	19.2	0.0	19.2	
8	765 kV	SATNA-ORAI	1	0	844	0.0	16.5	-16.5	
9	765 kV	BANASKANTHA-CHITTORGARH	2	2562	0	43.8	0.0	43.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1607	0.0	20.8	-20.8	
11	400 kV	ZERDA-KANEROLI	1	399	0	6.8	0.0	6.8	
12	400 kV	ZERDA-BHIMMAL	1	687	0	9.9	0.0	9.9	
13	400 kV	VINDHYACHAL-RIHAND	1	479	0	10.7	0.0	10.7	
14	400 kV	BAPP-SHULALPUR	2	335	443	0.0	1.1	-1.1	
15	220 kV	BHANPURA-RANPUR	1	141	0	0.0	2.3	-2.3	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3	
17	220 kV	MITHANORA-AURAIYA	1	99	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	69	7	1.3	0.0	1.3	
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	95.7	153.3	-57.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI/B/B	-	980	1009	5.7	7.7	-2.0	
2	HVDC	RAIGARH-PUGALUR	2	710	5020	0.0	40.9	-40.9	
3	765 kV	SOLAPUR-RAICHUR	2	434	1561	0.0	12.6	-12.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	3257	0.0	55.5	-55.5	
5	400 kV	KOI HAPUR-KUDGI	2	1266	0	21.8	0.0	21.8	
6	220 kV	KOI HAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PINDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	NELDEM-AMBEWADI	1	0	123	2.3	0.0	2.3	
						WR-SR	29.8	116.7	-86.9
<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 6*180MW)	0	0	0	-2.07			
	ER	400KV TALEX-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	149	0	35	0.99			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.88			
	NER	132KV GELEPHU-SALAKATI	-24	-8	-18	-0.42			
	NER	132KV MOTANGA-RANGIA	18	4	8	0.18			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-65	-1.56			
	ER	NEPAL IMPORT (FROM BIHAR)	-154	-56	-117	-2.80			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-331	-254	-321	-7.71			
	ER	BHERAMARA B/B HVDC (B'DESH)	-912	-785	-885	-21.23			
	ER (Isolated from Indian Grid)	400KV GODDA_TPS-RAHANPUR (B'DESH) D/C	22	0	14	0.34			
	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-143	0	-121	-2.90			