



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: 27th 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 26.03.2023.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 27-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)	43913	55292	44851	21007	2509	167572
Peak Shortage (MW)	575	0	0	135	0	710
Energy Met (MU)	927	1309	1172	482	46	3935
Hydro Gen (MU)	118	24	55	26	11	235
Wind Gen (MU)	29	58	38	-	-	125
Solar Gen (MU)*	132.64	66.87	114.98	2.69	0.71	318
Energy Shortage (MU)	3.38	0.00	0.00	1.76	0.00	5.14
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	44150	61143	55829	21369	2507	180875
Time Of Maximum Demand Met (From NLDC SCADA)	19:37	10:49	12:34	18:46	18:31	09:58

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	0.051	0.00	0.46	7.89	8.36	72.46	19.19

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	5967	0	112.8	34.5	-1.2	191	2.27
	Haryana	5256	0	105.3	68.2	-0.7	171	0.00
	Rajasthan	10862	0	215.7	47.3	-3.9	120	0.43
	Delhi	3335	0	65.4	64.1	-0.4	163	0.00
	UP	15918	0	299.4	66.2	-0.6	477	0.00
	Uttarakhand	1901	0	36.5	27.0	0.2	180	0.00
	HP	1703	0	30.4	19.5	-0.4	37	0.45
	J&K(UT) & Ladakh(UT)	2685	0	55.7	47.6	-0.8	234	0.23
	Chandigarh	168	0	2.9	3.3	-0.5	6	0.00
	Railways NR ISTS	151	0	3.3	3.0	0.2	28	0.00
WR	Chhattisgarh	5018	0	109.0	57.4	-0.9	337	0.00
	Chhattisgarh	17315	0	382.7	219.2	-1.8	768	0.00
	MP	11142	0	220.9	110.2	-4.1	489	0.00
	Maharashtra	25890	0	527.5	178.8	-4.3	655	0.00
	Goa	580	0	10.5	12.4	-2.4	85	0.00
	DNHDDPDCL	1216	0	28.0	28.4	-0.4	20	0.00
	AMNSIL	794	0	18.0	11.1	-0.1	218	0.00
	BALCO	517	0	12.3	12.4	-0.1	4	0.00
	Andhra Pradesh	10197	0	210.4	82.1	0.4	483	0.00
	Telangana	13423	0	270.2	140.4	1.9	691	0.00
SR	Karnataka	13950	0	274.4	128.7	-0.8	989	0.00
	Kerala	4082	0	82.7	69.9	-0.2	373	0.00
	Tamil Nadu	14931	0	324.9	202.1	-3.2	384	0.00
	Puducherry	401	0	9.4	9.2	-0.5	32	0.00
ER	Bihar	4586	129	95.6	86.1	-2.8	166	0.30
	DVC	3473	0	75.6	44.7	0.0	246	0.00
	Jharkhand	1417	0	28.9	22.6	-2.2	128	1.46
	Odisha	5597	0	115.6	40.2	-3.2	279	0.00
	West Bengal	7374	0	165.1	31.3	-2.2	545	0.00
	Sikkim	55	0	1.1	1.3	-0.2	40	0.00
NER	Arunachal Pradesh	151	0	2.7	3.0	-0.4	18	0.00
	Assam	1467	0	25.9	19.9	-0.3	98	0.00
	Manipur	178	0	2.7	2.7	0.0	29	0.00
	Meghalaya	329	0	6.5	4.6	-0.1	24	0.00
	Mizoram	108	0	1.7	1.6	-0.1	11	0.00
	Nagaland	129	0	2.3	2.3	-0.1	2	0.00
	Tripura	250	0	3.8	3.6	-0.4	72	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-1.3	-11.4	-24.7	-14.5
Day Peak (MW)	-234.7	-317.3	-1078.0	-630.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	34.8	-114.5	219.8	-140.6	0.5	0.0
Actual(MU)	25.4	-113.9	225.9	-139.2	-0.1	-2.0
O/D/U/D(MU)	-9.5	0.5	6.1	1.4	-0.6	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7446	15081	3478	2447	1188	29640	47
State Sector	10901	13459	6208	1990	306	32862	53
Total	18347	28539	9686	4437	1494	62502	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	610	1325	637	693	10	3275	76
Lignite	29	18	66	0	0	114	3
Hydro	118	24	55	26	11	235	5
Nuclear	25	32	76	0	0	133	3
Gas, Naptha & Diesel	3	8	7	0	30	48	1
RES (Wind, Solar, Biomass & Others)	187	126	179	3	1	496	12
Total	973	1533	1020	722	52	4299	100

Share of RES in total generation (%)	19.19	8.23	17.57	0.45	1.37	11.54
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.91	11.88	30.43	4.01	23.36	20.08

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.064

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: 27-Mar-2023

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI-B/B	-	0	296	0.0	6.9	-6.9	
3	765 kV	GAYA-VARANASI	2	334	856	0.0	8.5	-8.5	
4	765 kV	SASARAM-FAZLIPUR	1	123	482	0.0	5.8	-5.8	
5	765 kV	GAYA-BALIA	1	0	594	0.0	8.1	-8.1	
6	400 kV	PUSAULI-VARANASI	1	0	209	0.0	3.8	-3.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	197	0.0	3.0	-3.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	220	682	0.0	4.9	-4.9	
9	400 kV	PATNA-BALIA	2	20	465	0.0	6.3	-6.3	
10	400 kV	NAIBATTI-R-BALIA	2	52	492	0.0	6.5	-6.5	
11	400 kV	BIHARSHARIFE-BALIA	2	234	238	0.0	0.5	-0.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	50	418	0.0	4.9	-4.9	
13	400 kV	BIHARSHARIFE-VARANASI	2	163	330	0.0	2.4	-2.4	
14	220 kV	SAHUPUR-BKARAMANASA	1	0	132	0.0	2.3	-2.3	
15	132 kV	NAGARUNTARI-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	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	63.8	-63.3
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAGARH	4	939	103	10.9	0.0	10.9	
2	765 kV	NEW RANCHI-DHARAMJAGARH	2	230	825	0.0	6.8	-6.8	
3	765 kV	JHARSUGUDA-DURG	2	0	956	0.0	18.0	-18.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	609	0.0	9.8	-9.8	
5	400 kV	RANCHI-SIPAT	2	86	265	0.0	3.1	-3.1	
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	166	0.0	2.7	-2.7	
7	220 kV	BUDDHIPADAR-KORBA	2	83	51	0.1	0.0	0.1	
						ER-WR	10.9	40.3	-29.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	544	0.0	12.5	-12.5	
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1589	0.0	39.5	-39.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2956	0.0	57.5	-57.5	
4	400 kV	TALCHER-I/C	2	404	151	4.5	0.0	4.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	109.4	-109.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOIN	2	140	0	2.0	0.0	2.0	
2	400 kV	ALIPURDUAR-BONGAIGAOIN	2	492	0	8.7	0.0	8.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	52	0	0.9	0.0	0.9	
						ER-NER	11.6	0.0	11.6
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	483	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	995	0.0	16.1	-16.1	
2	HVDC	VINDHYACHAL-B/B	-	446	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1500	25.2	0.0	25.2	
4	765 kV	GWALIOR-AGRA	2	393	2024	0.6	17.3	-16.8	
5	765 kV	GWALIOR-PHAGI	2	426	2917	1.1	24.4	-23.3	
6	765 kV	JABALPUR-ORAI	2	81	798	0.0	13.9	-13.9	
7	765 kV	GWALIOR-ORAI	1	1093	0	16.5	0.0	16.5	
8	765 kV	SATNA-ORAI	1	0	890	0.0	16.7	-16.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	2494	0	38.3	0.0	38.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1975	0.0	29.7	-29.7	
11	400 kV	ZERDA-KANKROLI	1	423	0	7.0	0.0	7.0	
12	400 kV	ZERDA-BHINMAL	1	797	0	11.7	0.0	11.7	
13	400 kV	VINDHYACHAL-RIHAND	1	966	0	21.5	0.0	21.5	
14	400 kV	RAPS-SHILAPUR	2	552	454	4.0	2.4	1.6	
15	220 kV	BHANPURA-BANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.6	-0.6	
17	220 kV	MEHGAON-AURAIYA	1	113	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	96	0	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	140.4	121.1	19.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-B/B	-	0	1016	0.0	13.3	-13.3	
2	HVDC	BAHARH-PUGAUR	2	0	5010	0.0	91.6	-91.6	
3	765 kV	KOLHAPUR-KACHHUP	2	403	1744	0.4	21.1	-20.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	3416	0.0	56.2	-56.2	
5	400 kV	KOLHAPUR-KUDGI	2	1150	0	17.6	0.0	17.6	
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	1	110	1.8	0.0	1.8	
						WR-SR	19.7	182.2	-162.5
INTERNATIONAL EXCHANGES									
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)	-159	19	-54	-1.45			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	260	-100	90	2.13			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-77	-75	-101	-2.43			
	NER	132kV GELEPHU-SALAKATI	22	9	16	0.37			
NEPAL	NER	132kV MOTANGA-RANGIA	0	9	0	0.00			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-64	-1.53			
	ER	NEPAL IMPORT (FROM BIHAR)	102	33	-82	-1.96			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-344	-241	-330	-7.93			
	ER	BHERAMARA B/B HVDC (B'DESH)	-932	-839	-908	-21.79			
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-630	-581	-606	-14.54			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-146	0	-123	-2.94			