



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 February 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 26.02.2023.

महोदय/Dear Sir,

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

धन्यवाद,

Report for previous day

Date of Reporting: 27-Feb-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)	48795	59652	43364	20645	2502	174958
Peak Shortage (MW)	0	0	0	283	0	283
Energy Met (MU)	1097	1431	1172	453	45	4198
Hydro Gen (MU)	135	65	60	26	8	294
Wind Gen (MU)	4	49	83	-	-	135
Solar Gen (MU)*	117.20	66.68	138.00	5.87	1.01	329
Energy Shortage (MU)	5.68	0.49	0.00	1.58	0.00	7.75
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53953	67002	57895	21567	2589	199357
Time Of Maximum Demand Met (From NLDC SCADA)	11:13	10:37	10:52	18:19	18:01	10:52

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	0.053	0.00	0.30	6.57	6.87	66.73	26.40

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	7412	0	155.8	51.4	-0.8	95	0.00
	Haryana	6980	0	128.6	71.7	-0.4	170	0.00
	Rajasthan	16198	33	306.6	131.5	-1.1	199	3.96
	Delhi	3512	0	63.1	56.2	-2.3	90	0.00
	UP	16909	0	318.9	89.6	-0.4	357	0.29
	Uttarakhand	2044	0	38.0	25.8	0.7	178	0.19
	HP	1631	0	28.5	21.2	-0.4	51	1.24
	J&K(UT) & Ladakh(UT)	2704	0	54.9	47.8	-2.2	28	0.00
	Chandigarh	180	0	3.1	3.2	-0.1	19	0.00
	Chhattisgarh	5326	0	117.6	67.8	0.1	202	0.00
WR	Gujarat	17836	0	393.9	184.0	-2.5	476	0.00
	MP	14255	0	292.8	170.2	-1.4	443	0.49
	Maharashtra	26825	0	554.5	168.5	0.7	830	0.00
	Goa	623	0	13.4	12.3	0.9	40	0.00
	DNHDDPDCL	1193	0	27.9	28.1	-0.2	91	0.00
	AMNSIL	829	0	18.4	11.0	-1.8	249	0.00
	BALCO	516	0	12.3	12.4	-0.1	7	0.00
	Andhra Pradesh	11660	0	225.8	85.1	1.4	643	0.00
	Telangana	14380	0	290.0	162.2	-1.4	481	0.00
	Karnataka	14354	0	262.5	86.0	-2.3	766	0.00
SR	Kerala	3768	0	75.8	60.4	-0.4	175	0.00
	Tamil Nadu	15070	0	309.7	159.8	-4.8	335	0.00
	Puducherry	358	0	8.5	8.4	-0.7	18	0.00
	Bihar	4843	0	90.0	84.2	-1.2	259	0.57
	DVC	3541	0	75.4	45.4	0.6	280	0.00
	Jharkhand	1519	217	29.5	22.1	-1.5	65	1.01
	Odisha	5046	0	105.1	31.3	-2.5	256	0.00
	West Bengal	6992	0	150.7	16.8	-3.4	112	0.00
	Sikkim	92	0	1.9	1.6	0.3	29	0.00
	Assam	151	0	2.5	2.3	0.0	33	0.00
NER	Assam	1467	0	25.5	19.8	0.8	129	0.00
	Manipur	198	0	2.8	2.9	-0.1	31	0.00
	Meghalaya	339	0	6.5	6.2	-0.2	20	0.00
	Mizoram	102	0	1.6	1.4	-0.4	11	0.00
	Nagaland	138	0	2.2	2.4	-0.3	1	0.00
	Tripura	239	0	3.9	3.3	-0.3	17	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.1	-10.3	-23.9	0.1
Day Peak (MW)	-407.0	-480.9	-1061.0	13.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	142.7	-131.2	148.2	-157.7	-2.1	0.0
Actual(MU)	138.1	-111.3	135.8	-162.2	-4.3	-4.0
O/D/U/D(MU)	-4.6	19.9	-12.4	-4.5	-2.2	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7821	16661	5408	1856	720	32465	50
State Sector	11530	14014	4033	2530	162	32268	50
Total	19350	30674	9441	4386	881	64732	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	702	1423	673	670	17	3485	76
Lignite	29	13	58	0	0	99	2
Hvdro	135	65	60	26	8	294	6
Nuclear	9	36	63	0	0	120	3
Gas, Naptha & Diesel	9	9	6	0	30	54	1
RES (Wind, Solar, Biomass & Others)	146	117	245	7	1	516	11
Total	1041	1663	1105	702	55	4567	100

Share of RES in total generation (%)	14.01	7.04	22.18	0.95	1.82	11.29
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.92	13.16	33.36	4.47	15.53	20.33

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.050

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-Feb-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	294	0.0	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	0	889	0.0	16.2	-16.2	
4	765 kV	SASARAM-FAITEHPUR	1	0	373	0.0	6.4	-6.4	
5	765 kV	GAYA-BALIA	1	0	606	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	1	0	176	0.0	3.4	-3.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	190	0.0	3.9	-3.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	533	0.0	7.7	-7.7	
9	400 kV	PATNA-BALIA	2	0	516	0.0	9.7	-9.7	
10	400 kV	NAUBATTI-R-BALIA	2	0	532	0.0	9.5	-9.5	
11	400 kV	BIHARSHARIFE-BALIA	2	0	270	0.0	4.1	-4.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	369	0.0	6.4	-6.4	
13	400 kV	BIHARSHARIFE-VARANASI	2	0	364	0.0	6.3	-6.3	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	165	0.0	2.6	-2.6	
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	22	0.0	0.0	0.0	
						ER-NR	0.4	92.6	-92.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	1180	60	13.3	0.0	13.3	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	245	515	0.0	4.6	-4.6	
3	765 kV	JHARSUGUDA-DURG	2	0	673	0.0	12.7	-12.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	748	0.0	13.5	-13.5	
5	400 kV	RANCHI-SIPA	2	0	241	0.0	3.2	-3.2	
6	220 kV	BUDDHPADAR-RAIGARH	1	0	182	0.0	3.4	-3.4	
7	220 kV	BUDDHPADAR-KORBA	2	17	101	0.0	1.2	-1.2	
						ER-WR	13.3	38.5	-25.2
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZI-WAKA B/B	2	0	435	0.0	6.4	-6.4	
2	HVDC	TALCHER-KOLAR-BIPPLE	2	0	1987	0.0	42.7	-42.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3254	0.0	57.2	-57.2	
4	400 kV	TALCHER-I/C	2	487	687	0.0	2.8	-2.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	106.3	-106.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	2	196	0	2.8	0.0	2.8	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	707	0	10.1	0.0	10.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	70	0	0.9	0.0	0.9	
						ER-NER	13.9	0.0	13.9
Import/Export of NER (With NR)									
1	HVDC	BISWANATH-CHARIALLAGRA	2	484	0	11.4	0.0	11.4	
						NER-NR	11.4	0.0	11.4
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURKSHETRA	2	0	319	0.0	7.3	-7.3	
2	HVDC	VINDHYACHAL-B/B	-	450	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	595	0.0	14.6	-14.6	
4	765 kV	GWALIOR-AGRA	2	0	1774	0.0	21.0	-21.0	
5	765 kV	GWALIOR-PHAGI	2	0	2072	0.0	36.1	-36.1	
6	765 kV	JABALPUR-ORAI	2	0	1007	0.0	26.1	-26.1	
7	765 kV	GWALIOR-ORAI	1	1037	0	20.1	0.0	20.1	
8	765 kV	SATNA-ORAI	1	0	973	0.0	17.0	-17.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	2240	0	34.2	0.0	34.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1730	0.0	25.6	-25.6	
11	400 kV	ZERDA-KANKROLI	1	301	0	4.2	0.0	4.2	
12	400 kV	ZERDA-BHINMAL	1	479	81	4.2	0.0	4.2	
13	400 kV	VINDHYACHAL-RIHAND	1	484	0	11.0	0.0	11.0	
14	400 kV	RAPS-SHILAPUR	2	282	0	1.1	3.3	-2.2	
15	220 kV	BHANPURA-RANPUR	1	0	163	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	101	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	74	0	1.8	0.0	1.8	
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	89.8	155.1	-65.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-B/B	-	980	515	5.7	6.1	-0.4	
2	HVDC	BAHARH-PUGAUR	2	0	4598	0.0	48.6	-48.6	
3	765 kV	KOLHAPUR-KAICHILP	2	1058	1774	4.2	6.6	-2.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	3290	0.0	48.7	-48.7	
5	400 kV	KOLHAPUR-KUDGI	2	1355	0	24.1	0.0	24.1	
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	125	2.4	0.0	2.4	
						WR-SR	36.3	110.0	-73.7
INTERNATIONAL EXCHANGES									
						Import(+ve)/Export(-ve)			
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 HEP 4180MW)	0	0	0	0	-2.30		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 65170MW)	0	0	0	0	0.25		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4584MW)	0	0	0	0	-2.48		
	NER	132kV GELEPHU-SALAKATI	-28	-10	-23	0	-0.55		
NEPAL	NER	132kV MOTANGA-RANGIA	-14	0	-2	0	-0.05		
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0	0.00		
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-349	-156	-327	0	-7.84		
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-914 13	-787 0	-877 6	0	-21.06 0.14		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-147	0	-120	0	-2.88		