



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: 26th 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 25.02.2023.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25- 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 25th February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 26-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)	48601	62500	46992	21584	2564	182241
Peak Shortage (MW)	2154	20	0	376	74	2624
Energy Met (MU)	1107	1467	1239	471	47	4330
Hydro Gen (MU)	138	84	91	27	8	348
Wind Gen (MU)	7	43	54	-	-	104
Solar Gen (MU)*	125.88	66.00	137.85	2.69	0.93	333
Energy Shortage (MU)	32.67	0.90	0.00	1.97	0.80	36.34
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55972	68970	60576	22522	2654	207098
Time Of Maximum Demand Met (From NLDC SCADA)	10:42	11:00	12:23	18:34	17:55	10:43

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	0.062	0.01	0.79	10.08	10.88	67.64	21.48

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	7181	0	155.2	57.6	-0.3	94	1.27
	Haryana	7632	0	140.2	81.1	-0.3	231	0.83
	Rajasthan	15944	153	292.2	105.0	-0.1	169	28.29
	Delhi	3541	0	64.9	57.4	-1.9	117	0.00
	UP	16997	0	324.4	103.3	-4.0	192	0.00
	Uttarakhand	2043	150	38.0	25.3	1.4	212	2.00
	HP	1823	0	31.9	24.3	0.0	124	0.00
	J&K(UT) & Ladakh(UT)	2683	0	56.9	49.0	-1.4	73	0.28
	Chandigarh	198	0	3.2	3.5	-0.3	18	0.00
	Chhattisgarh	5196	0	116.6	67.3	-0.3	282	0.48
WR	Gujarat	18507	0	407.3	188.8	-1.9	602	0.00
	MP	14501	0	298.4	175.9	-2.7	317	0.42
	Maharashtra	27745	0	578.8	175.5	-5.1	913	0.00
	Goa	667	0	14.2	13.4	0.6	68	0.00
	DNHDDPDCL	1259	0	29.1	29.1	0.0	115	0.00
	AMNSIL	816	0	18.1	11.1	-0.1	248	0.00
	BALCO	517	0	12.3	12.4	-0.1	9	0.00
	Andhra Pradesh	11833	0	231.5	86.1	1.9	660	0.00
	Telangana	14380	0	291.0	163.4	-1.5	622	0.00
	Karnataka	15207	0	281.2	87.6	-0.2	837	0.00
SR	Kerala	4055	0	83.0	57.0	0.1	168	0.00
	Tamil Nadu	16783	0	343.1	184.8	-1.2	459	0.00
	Puducherry	411	0	9.2	9.3	-0.9	10	0.00
	Bihar	4923	0	89.4	83.6	-1.0	242	0.47
	DVC	3660	0	75.8	44.3	1.3	359	0.00
	Jharkhand	1530	0	30.0	22.1	-0.6	201	1.50
	Odisha	5383	0	114.7	27.5	-0.2	325	0.00
	West Bengal	7481	0	159.1	24.3	-3.5	147	0.00
	Sikkim	106	0	2.0	1.6	0.4	40	0.00
	NER	Arunachal Pradesh	135	0	2.4	2.4	-0.1	51
Assam		1505	72	26.5	20.0	1.4	178	0.80
Manipur		205	0	2.9	2.9	0.0	28	0.00
Meghalaya		365	0	6.8	6.2	-0.1	24	0.00
Mizoram		120	0	1.8	1.6	-0.2	5	0.00
Nagaland		130	0	2.2	2.1	-0.1	16	0.00
Tripura		255	0	4.1	3.6	-0.2	39	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-4.7	-10.0	-22.9	0.1
Day Peak (MW)	-366.0	-489.0	-1064.0	12.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.8	-167.1	174.8	-151.6	-3.9	0.0
Actual(MU)	133.7	-153.1	172.0	-153.6	-4.4	-5.3
O/D/U/D(MU)	-14.1	14.1	-2.8	-2.0	-0.5	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7311	16301	5858	2956	699	33124	50
State Sector	12540	13764	4033	2662	162	33160	50
Total	19850	30064	9891	5618	860	66283	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	699	1489	700	659	18	3564	76
Lignite	28	12	67	0	0	107	2
Hvdro	138	84	91	27	8	348	7
Nuclear	20	36	61	0	0	117	3
Gas, Naptha & Diesel	12	15	6	0	31	63	1
RES (Wind, Solar, Biomass & Others)	157	111	216	3	1	488	10
Total	1054	1747	1141	689	58	4687	100

Share of RES in total generation (%)	14.88	6.34	18.97	0.40	1.61	10.40
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.87	13.22	32.24	4.36	16.02	20.32

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.017
Based on State Max Demands	1.042

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: 26-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	7.0	-7.0	
3	765 kV	GAYA-VARANASI	2	0	736	0.0	14.7	-14.7	
4	765 kV	SASARAM-FAZLKHUR	1	0	366	0.0	7.2	-7.2	
5	765 kV	GAYA-BALIA	1	0	570	0.0	8.7	-8.7	
6	400 kV	PUSAULI-VARANASI	1	0	182	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	187	0.0	3.3	-3.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	566	0.0	7.5	-7.5	
9	400 kV	PATNA-BALIA	2	0	454	0.0	8.9	-8.9	
10	400 kV	NAIBATTI-R-BALIA	2	0	473	0.0	9.4	-9.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	272	0.0	3.4	-3.4	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	339	0.0	6.1	-6.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	300	0.0	5.6	-5.6	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	174	0.0	1.2	-1.2	
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.2	0.0	0.2	
17	132 kV	KARMANASA-SAHUPURI	1	0	30	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.2	86.7	-86.4
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	1125	0	13.2	0.0	13.2	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	558	265	0.0	0.7	-0.7	
3	765 kV	JHARSUGUDA-DURG	2	0	639	0.0	10.7	-10.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	659	0.0	12.3	-12.3	
5	400 kV	RANCHI-SIPA	2	27	211	0.0	2.8	-2.8	
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	191	0.0	3.5	-3.5	
7	220 kV	BUDDHIPADAR-KORBA	2	14	92	0.0	0.8	-0.8	
						ER-WR	13.2	30.8	-17.7
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	435	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLARIPPOLE	2	0	1992	0.0	39.2	-39.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3044	0.0	56.3	-56.3	
4	400 kV	TALCHER-I/C	2	319	647	0.0	6.1	-6.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	105.3	-105.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	2	203	0	2.9	0.0	2.9	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	729	0	11.3	0.0	11.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	72	0	1.1	0.0	1.1	
						ER-NER	15.2	0.0	15.2
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	484	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	1009	0.0	19.3	-19.3	
2	HVDC	VINDHYACHAL-B/B	-	451	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	594	0.0	14.6	-14.6	
4	765 kV	GWALIOR-AGRA	2	0	1946	0.0	20.2	-20.2	
5	765 kV	GWALIOR-PHAGI	2	0	1909	0.0	32.5	-32.5	
6	765 kV	JABALPUR-ORAI	2	0	1059	0.0	26.9	-26.9	
7	765 kV	GWALIOR-ORAI	1	907	0	17.8	0.0	17.8	
8	765 kV	SATNA-ORAI	1	0	982	0.0	16.9	-16.9	
9	765 kV	BANASKANTHA-CHITORGARH	2	2358	0	28.7	0.0	28.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2063	0.0	28.7	-28.7	
11	400 kV	ZERDA-KANKROLI	1	338	0	5.4	0.0	5.4	
12	400 kV	ZERDA-BHINMAL	1	568	32	6.8	0.0	6.8	
13	400 kV	VINDHYACHAL-RIHAND	1	478	0	11.6	0.0	11.6	
14	400 kV	RAPS-SHILAPUR	2	338	0	5.8	0.0	5.8	
15	220 kV	BHANPURA-RANPUR	1	0	166	0.0	2.7	-2.7	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2	
17	220 kV	MEHGAON-AURAIYA	1	114	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	88	0	1.8	0.0	1.8	
19	132 kV	GWALIOR-SAWALMADHOPUR	1	1	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	95.3	163.3	-68.0
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-B/B	-	0	613	0.0	9.9	-9.9	
2	HVDC	BAHARH-PUGAUR	2	0	5010	0.0	54.7	-54.7	
3	765 kV	KOLHAPUR-KAICHULP	2	585	1739	0.0	8.5	-8.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	3277	0.0	56.3	-56.3	
5	400 kV	KOLHAPUR-KUDGI	2	1374	0	24.4	0.0	24.4	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	BONDA-AMBEWADI	1	0	0	0.3	0.0	0.3	
8	220 kV	NELDEMI-AMBEWADI	1	0	127	2.4	0.0	2.4	
						WR-SR	27.0	129.4	-102.3
INTERNATIONAL EXCHANGES									
State	Region	Line Name		Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)	Import(+ve)/Export(-ve)	
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU IEP 4180MW)		0	0	0	-2.26		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA IEP 65170MW)		160	0	22	0.52		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA IEP 4584MW)		0	0	0	-2.50		
	NER	132kV GELEPHU-SALAKATI		-28	-11	-20	-0.49		
NEPAL	NER	132kV MOTANGA-RANGIA		11	-9	0	0.01		
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)		0	0	0	0.00		
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2		-350	-48	-314	-7.53		
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH)		-917	-810	-836	-20.07		
	ER	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C		12	0	6	0.15		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2		-147	0	-119	-2.86		