



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: 28th 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 27.02.2023.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27- 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 27th February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 28-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)	48882	62074	47018	21064	2499	181537
Peak Shortage (MW)	1903	242	0	507	142	2794
Energy Met (MU)	1115	1470	1224	457	46	4311
Hydro Gen (MU)	136	75	68	26	7	312
Wind Gen (MU)	4	38	74	-	-	115
Solar Gen (MU)*	121.06	65.12	132.45	6.06	0.98	326
Energy Shortage (MU)	15.12	1.80	0.00	9.57	0.55	27.04
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57304	68983	60912	21786	2613	207836
Time Of Maximum Demand Met (From NLDC SCADA)	11:27	10:58	11:30	18:44	17:52	11:25

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	0.069	0.27	1.62	11.45	13.33	66.00	20.67

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	7345	0	148.7	38.4	-0.2	117	1.96
	Haryana	7754	0	140.0	82.5	0.4	213	0.74
	Rajasthan	15920	116	296.8	124.0	-1.5	192	10.51
	Delhi	3710	0	67.7	60.0	-1.7	131	0.00
	UP	16979	0	332.0	98.3	-0.6	384	0.15
	Uttarakhand	2082	0	38.0	26.1	0.8	144	1.49
	HP	1893	0	32.6	24.1	0.4	89	0.00
	J&K(UT) & Ladakh(UT)	2721	0	56.0	49.3	-1.6	82	0.27
	Chandigarh	211	0	3.4	3.4	0.0	24	0.00
	Chhattisgarh	5276	0	117.7	67.1	0.4	359	1.36
WR	Gujarat	18919	0	410.0	190.1	4.8	1100	0.00
	MP	14379	0	294.7	168.0	-2.3	466	0.32
	Maharashtra	28108	0	573.5	165.9	2.8	1045	0.12
	Goa	672	0	14.4	13.1	0.8	58	0.00
	DNHDDPDCL	1240	0	28.3	28.7	-0.4	23	0.00
	AMNSIL	821	0	18.4	8.2	0.3	286	0.00
	BALCO	527	0	12.5	12.4	0.1	9	0.00
	Andhra Pradesh	11980	0	229.9	87.0	0.5	934	0.00
	Telangana	14595	0	294.8	155.8	-0.8	736	0.00
	Karnataka	15430	0	273.7	86.2	-2.8	543	0.00
SR	Kerala	4079	0	81.3	64.7	-0.5	174	0.00
	Tamil Nadu	16333	0	335.5	184.1	-0.8	656	0.00
	Puducherry	396	0	8.7	9.1	-1.1	8	0.00
	Bihar	4696	35	83.4	78.4	-2.5	342	6.80
	DVC	3443	0	74.0	46.0	0.1	311	0.00
	Jharkhand	1521	0	28.7	20.6	-1.2	130	2.77
	Odisha	5203	0	108.6	32.1	-2.2	275	0.00
	West Bengal	7530	0	159.9	24.6	-3.2	63	0.00
	Sikkim	112	0	2.0	1.5	0.5	38	0.00
	NER	Arunachal Pradesh	137	0	2.5	2.4	0.0	39
Assam		1471	57	25.8	20.1	0.7	206	0.55
Manipur		203	0	2.8	2.8	0.0	47	0.00
Meghalaya		342	0	6.3	6.3	-0.3	14	0.00
Mizoram		121	0	1.9	1.6	-0.2	9	0.00
Nagaland		129	0	2.2	2.2	-0.1	15	0.00
Tripura		246	0	4.1	3.2	-0.2	81	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-2.3	-7.9	-23.6	0.2
Day Peak (MW)	-203.0	-516.4	-1040.0	19.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.7	-134.8	146.8	-156.2	-1.5	0.0
Actual(MU)	139.0	-114.4	132.6	-159.7	-4.0	-6.5
O/D/U/D(MU)	-6.7	20.5	-14.2	-3.6	-2.5	-6.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7902	16661	5118	2690	686	33057	51
State Sector	11950	13018	4633	2610	162	32372	49
Total	19852	29679	9751	5300	848	65429	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	714	1457	724	670	17	3582	77
Lignite	28	12	63	0	0	103	2
Hydro	136	75	68	26	7	312	7
Nuclear	20	36	68	0	0	124	3
Gas, Naptha & Diesel	9	16	6	0	31	62	1
RES (Wind, Solar, Biomass & Others)	150	104	228	6	1	489	10
Total	1056	1701	1158	702	56	4672	100

Share of RES in total generation (%)	14.17	6.14	19.66	0.53	1.76	10.42
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.92	12.70	31.42	4.25	14.58	19.77

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
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: 28-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	7.3	-7.3	
3	765 kV	GAYA-VARANASI	2	0	783	0.0	14.3	-14.3	
4	765 kV	SASARAM-FAITEHPUR	1	0	365	0.0	7.1	-7.1	
5	765 kV	GAYA-BALIA	1	0	576	0.0	10.3	-10.3	
6	400 kV	PUSAULI-VARANASI	1	0	180	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	180	0.0	3.3	-3.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	678	0.0	8.6	-8.6	
9	400 kV	PATNA-BALIA	2	0	532	0.0	9.7	-9.7	
10	400 kV	NAUBATTI-R-BALIA	2	0	559	0.0	10.4	-10.4	
11	400 kV	BIHARSHARIFE-BALIA	2	0	350	0.0	5.5	-5.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	382	0.0	6.9	-6.9	
13	400 kV	BIHARSHARIFE-VARANASI	2	0	295	0.0	5.3	-5.3	
14	220 kV	SAHUPUR-BKARMANASA	1	155	0	0.0	2.8	-2.8	
15	132 kV	NAGARJUNTA-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	5	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	95.2	-94.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	891	129	6.7	0.0	6.7	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	614	573	0.0	2.2	-2.2	
3	765 kV	JHARSUGUDA-DURG	2	0	722	0.0	13.6	-13.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	803	0.0	15.7	-15.7	
5	400 kV	RANCHI-SIPAT	2	33	262	0.0	3.9	-3.9	
6	220 kV	BUDDHAPADAR-RAIGARH	1	0	223	0.0	4.1	-4.1	
7	220 kV	BUDDHAPADAR-KORBA	2	0	139	0.0	2.0	-2.0	
						ER-WR	6.7	41.3	-34.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	552	0.0	7.0	-7.0	
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1639	0.0	33.6	-33.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2907	0.0	56.1	-56.1	
4	400 kV	TALCHER-I/C	2	670	67	10.3	0.0	10.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	96.7	-96.7
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOIN	2	196	0	2.9	0.0	2.9	
2	400 kV	ALIPURDUAR-BONGAIGAOIN	2	671	0	10.9	0.0	10.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	61	0	0.9	0.0	0.9	
						ER-NER	14.7	0.0	14.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	482	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	314	0.0	7.2	-7.2	
2	HVDC	VINDHYACHAL-B/B	-	452	0	13.1	0.0	13.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	594	0.0	13.8	-13.8	
4	765 kV	GWALIOR-AGRA	2	0	2119	0.0	21.9	-21.9	
5	765 kV	GWALIOR-PHAGI	2	0	2150	0.0	36.7	-36.7	
6	765 kV	JABALPUR-ORAI	2	0	1105	0.0	28.9	-28.9	
7	765 kV	GWALIOR-ORAI	1	1079	0	19.7	0.0	19.7	
8	765 kV	SATNA-ORAI	1	0	990	0.0	17.4	-17.4	
9	765 kV	BANASKANTHA-CHITORGARH	2	2345	0	38.8	0.0	38.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2257	0.0	28.2	-28.2	
11	400 kV	ZERDA-KANKROLL	1	322	0	5.2	0.0	5.2	
12	400 kV	ZERDA-BHINMAL	1	580	57	5.6	0.0	5.6	
13	400 kV	VINDHYACHAL-RIHAND	1	477	0	10.7	0.0	10.7	
14	400 kV	RAPS-SHILAIPTUR	2	334	582	1.4	3.3	-2.0	
15	220 kV	BHANPURA-RANPUR	1	0	158	0.0	2.3	-2.3	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4	
17	220 kV	MEHGAON-AURAIYA	1	113	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	85	0	1.9	0.0	1.9	
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	96.7	161.3	-64.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-B/B	-	0	312	0.0	7.2	-7.2	
2	HVDC	BAHARH-PUGAUR	2	0	4008	0.0	45.5	-45.5	
3	765 kV	KOLHAPUR-KAICHULP	2	583	1335	1.4	8.4	-7.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2963	0.0	49.9	-49.9	
5	400 kV	KOLHAPUR-KUDGI	2	1316	0	23.6	0.0	23.6	
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	2.3	0.0	-2.3	
						WR-SR	27.3	111.0	-83.7
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)	0	0	0	-1.95			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	184	0	38	1.12			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.89			
	NER	132kV GELEPHU-SALAKATI	33	7	20	0.47			
NEPAL	NER	132kV MOTANGA-RANGIA	-12	0	-3	-0.06			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-24	0	-3	-0.08			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-354	0	-250	-6.01			
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-915 20	-757 0	-879 8	-21.09 0.19			
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-125	0	-106	-2.54			