



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: 25th 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 24.02.2023.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24- 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 24th February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 25-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)	48776	61858	47511	21682	2648	182475
Peak Shortage (MW)	2082	116	0	400	0	2598
Energy Met (MU)	1113	1473	1244	472	46	4348
Hydro Gen (MU)	138	81	90	31	9	348
Wind Gen (MU)	3	33	47	-	-	83
Solar Gen (MU)*	113.94	66.61	133.47	3.10	-	318
Energy Shortage (MU)	29.86	1.20	0.00	2.64	0.41	34.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55953	69150	61118	22338	2740	207270
Time Of Maximum Demand Met (From NLDC SCADA)	11:29	10:49	10:26	18:50	17:59	10:51

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	0.087	0.43	3.36	11.94	15.73	62.31	21.97

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	7261	0	152.7	55.8	0.1	124	1.38
	Haryana	7613	0	140.8	72.7	-0.2	175	1.32
	Rajasthan	16009	4	295.3	107.3	-0.7	335	25.58
	Delhi	3932	0	68.8	60.5	-1.4	75	0.00
	UP	16428	13	321.9	101.6	-0.3	407	0.14
	Uttarakhand	2083	0	39.1	26.7	0.6	130	1.29
	HP	1914	0	33.0	25.1	0.3	139	0.00
	J&K(UT) & Ladakh(UT)	2700	70	58.5	52.6	-0.9	224	0.15
WR	Chhattisgarh	215	0	3.4	3.4	0.0	44	0.00
	Chhattisgarh	5247	0	117.5	65.1	0.0	236	0.52
	Gujarat	18506	0	411.9	196.4	-1.7	648	0.00
	MP	14645	0	299.4	177.7	-2.6	465	0.68
	Maharashtra	27720	0	570.3	168.8	1.6	874	0.00
	Goa	678	0	14.5	13.6	0.7	37	0.00
	DNHDDPDCL	1250	0	28.9	29.1	-0.2	47	0.00
	AMNSIL	839	0	18.1	10.9	0.0	254	0.00
SR	BALCO	517	0	12.3	12.3	0.0	512	0.00
	Andhra Pradesh	11811	0	231.4	80.0	0.2	441	0.00
	Telangana	14501	0	292.8	164.2	-0.9	861	0.00
	Karnataka	15200	0	284.0	92.6	0.2	800	0.00
	Kerala	4130	0	83.2	59.7	-0.1	158	0.00
	Tamil Nadu	16469	0	342.5	200.0	0.4	709	0.00
	Puducherry	413	0	9.8	9.0	-0.4	27	0.00
	DVC	4991	106	92.6	85.0	-0.1	246	0.22
ER	Jharkhand	3572	0	75.3	-45.6	0.4	363	0.00
	Jharkhand	1342	182	28.6	21.8	0.0	149	2.42
	Odisha	5240	0	112.9	26.6	-0.3	341	0.00
	West Bengal	7630	0	160.9	25.7	-3.0	161	0.00
	Sikkim	108	0	2.0	1.7	0.3	36	0.00
NER	Arunachal Pradesh	145	0	2.4	2.3	-0.1	24	0.00
	Assam	1536	0	26.3	20.2	0.9	144	0.38
	Manipur	201	0	2.8	2.9	-0.1	33	0.03
	Meghalaya	364	0	6.7	5.9	0.0	30	0.00
	Mizoram	115	0	1.8	1.5	-0.2	5	0.00
	Nagaland	131	0	2.2	2.2	-0.1	19	0.00
Tripura	258	0	4.2	3.7	-0.2	23	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-2.9	-9.9	-23.6	0.1
Day Peak (MW)	-336.7	-221.2	-1057.0	14.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.2	-145.5	178.4	-172.5	-4.6	0.0
Actual(MU)	135.8	-137.9	177.5	-175.8	-5.0	-5.5
O/D/U/D(MU)	-8.5	7.5	-0.9	-3.4	-0.4	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7411	14541	6208	2296	699	31154	49
State Sector	12150	13164	3948	2662	162	32085	51
Total	19560	27704	10156	4958	860	63238	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	714	1493	706	681	18	3613	77
Lignite	28	13	69	0	0	110	2
Hvdro	138	81	90	31	9	348	7
Nuclear	20	36	65	0	0	122	3
Gas, Naptha & Diesel	13	15	6	0	31	65	1
RES (Wind, Solar, Biomass & Others)	142	102	205	3	1	452	10
Total	1055	1739	1142	715	58	4708	100
Share of RES in total generation (%)	13.43	5.84	17.94	0.44	1.05	9.60	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.40	12.58	31.55	4.59	16.09	19.56	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.041

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: 25-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-BB	-	0	294	0.0	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	0	804	0.0	13.6	-13.6	
4	765 kV	SASARAM-FAITEHPUR	1	0	429	0.0	8.6	-8.6	
5	765 kV	GAYA-BALIA	1	0	528	0.0	10.3	-10.3	
6	400 kV	PUSAULI-VARANASI	1	0	190	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	178	0.0	3.2	-3.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	614	0.0	8.3	-8.3	
9	400 kV	PATNA-BALIA	2	0	566	0.0	11.7	-11.7	
10	400 kV	NAUBATPUR-BALIA	2	0	612	0.0	12.4	-12.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	293	0.0	4.0	-4.0	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	418	0.0	7.6	-7.6	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	405	0.0	7.2	-7.2	
14	220 kV	SAHUPUR-KARMANASA	1	0	171	0.0	2.6	-2.6	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
17	132 kV	KARMANASA-SAHUPURI	1	0	38	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	100.6	-100.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1150	306	9.0	0.0	9.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	145	778	0.0	5.6	-5.6	
3	765 kV	JHARSUGUDA-RUR	2	0	729	0.0	12.5	-12.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	740	0.0	14.0	-14.0	
5	400 kV	RANCHI-SIPAT	2	0	310	0.0	4.6	-4.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	198	0.0	3.8	-3.8	
7	220 kV	BUDHIPADAR-KORBA	7	7	80	0.0	0.9	-0.9	
						ER-WR	9.0	41.5	-32.4
Import/Export of ER (With SR)									
1	HVDC	JEKYONGGA/ZUYAKA/B/B	2	0	435	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1643	0.0	39.5	-39.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2993	0.0	55.4	-55.4	
4	400 kV	TALCHER-I/C	2	407	328	0.0	0.9	-0.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	104.8	-104.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	222	0	3.0	0.0	3.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	757	0	11.0	0.0	11.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	76	0	1.2	0.0	1.2	
						ER-NER	15.1	0.0	15.1
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-KURUSHETRA	2	0	1009	0.0	24.1	-24.1	
2	HVDC	VINDHYACHAL-B/B	-	451	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	594	0.0	9.1	-9.1	
4	765 kV	GWALIOR-AGRA	2	0	1837	0.0	21.0	-21.0	
5	765 kV	GWALIOR-PHAGI	2	0	1917	0.0	29.9	-29.9	
6	765 kV	JABALPUR-ORAI	2	0	944	0.0	26.1	-26.1	
7	765 kV	GWALIOR-ORAI	1	977	0	18.1	0.0	18.1	
8	765 kV	SATNA-ORAI	1	0	921	0.0	15.7	-15.7	
9	765 kV	BANASKANTHA-CHITTOGARH	2	2089	0	37.4	0.0	37.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1937	0.0	19.4	-19.4	
11	400 kV	ZERDA-KANEROLI	1	293	0	4.9	0.0	4.9	
12	400 kV	ZERDA-BHIMMAL	1	518	0	5.7	0.0	5.7	
13	400 kV	VINDHYACHAL-RIHAND	1	478	0	10.8	0.0	10.8	
14	400 kV	BAPP-SHULALPUR	2	412	475	0.0	0.2	-0.2	
15	220 kV	BHANPURA-KANPUR	1	0	164	0.0	2.7	-2.7	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3	
17	220 kV	NITHIGAOAN-AURAIYA	1	103	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	77	0	1.8	0.0	1.8	
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	92.1	149.5	-57.4
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI/B/B	-	0	1012	0.0	13.1	-13.1	
2	HVDC	RAIGARH-PUGALUR	2	0	5008	0.0	62.3	-62.3	
3	765 kV	SOLAPUR-RAICHUR	2	1306	1484	0.0	8.5	-8.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	3466	0.0	56.5	-56.5	
5	400 kV	KOI HAPIR-KUDGI	2	1594	0	25.1	0.0	25.1	
6	220 kV	KOI HAPIR-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	125	2.3	0.0	2.3	
						WR-SR	27.4	140.4	-113.0

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 6*180MW)	0	0	0	-2.00	
	ER	400KV TALEX-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	183	0	73	1.83	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.21	
	NER	132KV GELEPHU-SALAKATI	-29	-15	-21	-0.51	
	NER	132KV MOTANGA-RANGIA	-13	0	-1	-0.01	
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.00	
	ER	NEPAL IMPORT (FROM BIHAR)	144	99	-132	-3.17	
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-365	0	-279	-6.69	
	ER	BHERAMARA B/B HVDC (B'DESH)	-919	-796	-861	-20.66	
	ER (Isolated from Indian Grid)	400KV GODDA_TPS-RAHANPUR (B'DESH) D/C	15	0	6	0.15	
	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-138	0	-121	-2.90	