National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 18th February 2023

To,

1. कार्यकारी निदेशक, पू.क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 17.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17- फ़रवरी-2023 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 17th February 2023, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day — Date of Reporting: 18-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)	48691	62581	47035	21017	2655	181979
Peak Shortage (MW)	2343	0	0	348	37	2728
Energy Met (MU)	1140	1466	1216	448	47	4316
Hydro Gen (MU)	142	77	90	29	8	346
Wind Gen (MU)	4	44	47	-	-	94
Solar Gen (MU)*	126.46	66.17	137.02	5.18	0.83	336
Energy Shortage (MU)	23.99	6.68	1.00	2.07	0.10	33.84
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59477	68707	60949	21574	2760	209665
Time Of Maximum Demand Met (From NLDC SCADA)	12:31	10:39	10:22	18:31	18:02	10:47

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	0.058	0.34	0.39	6.60	7.33	66.67	26.00

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	8346	0	156.2	62.2	-0.1	158	2.04
	Haryana	8010	0	147.5	72.2	-1.4	107	0.43
	Rajasthan	16122	0	304.4	101.4	-0.7	258	17.51
	Delhi	3998	0	67.6	55.4	-3.7	137	0.00
	UP	17394	0	330.7	89.2	-0.9	862	1.08
	Uttarakhand	1950	75	38.3	26.1	0.4	190	2.63
	HP	1856	0	32.2	23.8	0.1	115	0.00
	J&K(UT) & Ladakh(UT)	2764	0	60.1	52.8	-1.9	96	0.30
	Chandigarh	223	0	3.6	3.7	-0.2	30	0.00
WR	Chhattisgarh	5248	9	114.1	61.1	0.1	280	0.67
	Gujarat	18714	0	410.0	193.0	0.4	742	0.00
	MP	15499	23	304.8	169.1	3.4	1134	6.01
	Maharashtra	27699	0	563.7	167.0	0.0	626	0.00
	Goa	676	0	13.4	12.8	0.3	83	0.00
	DNHDDPDCL	1217	0	28.5	28.7	-0.2	36	0.00
	AMNSIL	829	0	19.0	11.4	0.2	269	0.00
	BALCO	519	0	12.3	12.4	-0.1	13	0.00
SR	Andhra Pradesh	11548	0	225.5	86.4	0.7	417	0.00
	Telangana	14371	0	289.8	170.6	1.7	1001	0.00
	Karnataka	15220	0	273.5	84.9	3.7	1086	1.00
	Kerala	3966	0	80.9	57.2	0.0	236	0.00
	Tamil Nadu	16497	0	337.2	189.2	-1.2	599	0.00
	Puducherry	394	0	8.7	8.5	-0.5	30	0.00
ER	Bihar	4866	0	90.3	77.7	0.2	189	0.19
	DVC	3626	0	75.7	-50.0	-0.3	256	0.00
	Jharkhand	1576	68	28.4	21.4	-1.8	106	1.89
	Odisha	4907	0	105.6	25.4	-1.1	337	0.00
	West Bengal	7020	0	146.1	25.7	-2.6	241	0.00
	Sikkim	113	0	1.9	1.5	0.4	49	0.00
NER	Arunachal Pradesh	144	0	2.4	2.5	-0.2	34	0.00
	Assam	1572	0	27.1	20.9	0.4	131	0.06
	Manipur	207	0	2.9	3.0	-0.1	26	0.04
	Meghalaya	369	0	6.9	6.2	-0.1	32	0.00
	Mizoram	128	0	1.9	1.7	-0.3	16	0.00
	Nagaland	140	0	2.2	2.2	-0.1	18	0.00
	Tripura	235	0	3.7	3.1	-0.2	17	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-4.9	-10.6	-21.8
Day Peak (MW)	-371.0	-541.0	-1039.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	118.1	-134.0	194.7	-177.3	-1.5	0.0
Actual(MU)	110.2	-115.3	188.1	-181.9	-4.5	-3.4
O/D/U/D(MU)	-7.9	18.7	-6.7	-4.5	-3.0	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7100	16051	4678	2010	634	30472	49
State Sector	10295	12674	5724	3132	187	32011	51
Total	17395	28724	10402	5142	821	62484	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	746	1436	660	686	18	3545	75
Lignite	31	17	63	0	0	112	2
Hydro	142	77	90	29	8	346	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	23	18	6	0	31	78	2
RES (Wind, Solar, Biomass & Others)	154	112	206	5	1	478	10
Total	1121	1696	1102	720	58	4698	100

Share of RES in total generation (%)	13.75	6.60	18.70	0.71	1.44	10.18
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.69	13.30	33.82	4.72	15.03	20.49

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.040

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

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 18-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	297	0.0	6.9	-6.9
3	765 kV	GAYA-VARANASI	2	0	938	0.0	17.0	-17.0
4	765 kV	SASARAM-FATEHPUR	1	0	325	0.0	6.0	-6.0
5	765 kV	GAYA-BALIA	1	0	658	0.0	11.0	-11.0
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.8	-4.8
7	400 kV	PUSAULI - ALLAHABAD	1	0	138	0.0	4.6	-4.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	739	0.0	7.9	-7.9
9	400 kV	PATNA-BALIA	2	0	703	0.0	12.4	-12.4
10	400 kV	NAUBATPUR-BALIA	2	0	551	0.0	9.8	-9.8
11	400 kV	BIHARSHARIFF-BALIA	2	0	457	0.0	5.4	-5.4
12	400 kV	MOTIHARI-GORAKHPUR	2	0	416	0.0	4.6	-4.6
13	400 kV	BIHARSHARIFF-VARANASI	2	0	377	0.0	5.8	-5.8
14	220 kV	SAHUPURI-KARAMNASA	1	0	100	0.0	1.3	-1.3
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	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	97.5	-97.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	697	455	1.7	0.0	1.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	274	694	0.0	6.3	-6.3
3	765 kV	JHARSUGUDA-DURG	2	0	836	0.0	14.4	-14.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	894	0.0	15.1	-15.1
5	400 kV	RANCHI-SIPAT	2	0	283	0.0	3.5	-3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	221	0.0	4.2	-4.2
7	220 kV	BUDHIPADAR-KORBA	2	28	52	0.0	0.3	-0.3
					ER-WR	1.7	43.9	-42.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	503	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	39.3	-39.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	3114	0.0	60.2	-60.2
4	400 kV	TALCHER-I/C	2	633	211	4.8	0.0	4.8
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-BONGAIGAON	2	206	8	2.7	0.0	2.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	699	0	10.9	0.0	10.9
3	220 kV	ALIPURDUAR-SALAKATI	2	85	0	1.1	0.0	1.1
					ER-NER	14.7	0.0	14.7
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	2017	0.0	34.6	-34.6
2	HVDC	VINDHYACHAL B/B	-	248	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	976	0	13.2	0.0	13.2
4	765 kV	GWALIOR-AGRA	2	0	1686	0.0	16.6	-16.6
5	765 kV	GWALIOR-PHAGI	2	0	1607	0.0	25.7	-25.7
6	765 kV	JABALPUR-ORAI	2	0	908	0.0	20.6	-20.6
7	765 kV	GWALIOR-ORAI	1	894	0	16.5	0.0	16.5
8	765 kV	SATNA-ORAI	1	0	883	0.0	15.5	-15.5
9	765 kV	BANASKANTHA-CHITORGARH	2	2329	0	38.3	0.0	38.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	1611	0.0	19.3	-19.3
11	400 kV	ZERDA-KANKROLI	1	349	0	5.2	0.0	5.2
12	400 kV	ZERDA -BHINMAL	1	589	0	6.9	0.0	6.9
13	400 kV	VINDHYACHAL -RIHAND	1	495	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUJALPUR	2	478	320	2.7	0.0	2.7
15	220 kV	BHANPURA-RANPUR	1	0	176	0.0	2.9	-2.9
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
17	220 kV	MEHGAON-AURAIYA	1	134	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	105	0	2.1	0.0	2.1
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	104.0	136.7	-32.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	19.9	-19.9
2	HVDC	RAIGARH-PUGALUR	2	0	5014	0.0	63.4	-63.4
3	765 kV	SOLAPUR-RAICHUR	2	1035	1759	0.0	9.2	-9.2
4	765 kV	WARDHA-NIZAMABAD	2	0	3538	0.0	55.2	-55.2
5	400 kV	KOLHAPUR-KUDGI	2	1206	0	20.3	0.0	20.3
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.6	0.0	0.6
8	220 kV	XELDEM-AMBEWADI	1	1	126	2.3	0.0	2.3
					WR-SR	23.2	147.6	-124.4

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 MANGDECHU HEP 4*180MW)	0	0	0	-2.38
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	161	0	24	0.83
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.29
	NER	132kV GELEPHU-SALAKATI	-27	-12	-41	-0.99
	NER	132kV MOTANGA-RANGIA	-15	0	-3	-0.07
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.66
	ER	NEPAL IMPORT (FROM BIHAR)	-139	-73	-104	-2.48
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-333	0	-310	-7.44
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-921	-573	-806	-19.35
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	118	0	-102	-2.44