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: 12th 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 11.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11- 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 11th 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:** **12-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)	50017	60591	45329	21272	2592	179801
Peak Shortage (MW)	2658	316	0	370	140	3484
Energy Met (MU)	1122	1425	1157	445	47	4195
Hydro Gen (MU)	130	66	91	31	9	326
Wind Gen (MU)	8	58	32	-	-	98
Solar Gen (MU)*	118.74	63.70	130.49	6.24	0.45	320
Energy Shortage (MU)	16.92	0.32	0.00	2.55	0.40	20.19
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57397	68305	58948	21755	2759	204954
Time Of Maximum Demand Met (From NLDC SCADA)	12:04	10:30	12:30	18:43	17:58	10:26

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	0.071	0.24	1.99	12.80	15.03	67.61	17.36

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	7584	0	145.2	42.6	0.3	146	1.30
	Haryana	7815	45	143.1	72.4	0.3	232	1.27
	Rajasthan	16219	57	300.1	105.7	-0.8	346	13.56
	Delhi	3836	0	65.6	57.2	-1.3	174	0.02
	UP	17783	0	328.9	95.7	1.3	562	0.22
	Uttarakhand	2192	0	40.2	29.2	-0.2	235	0.23
	HP	1853	0	33.7	27.1	0.1	100	0.00
	J&K(UT) & Ladakh(UT)	2872	0	61.8	55.5	-1.6	17	0.32
	Chandigarh	200	0	3.4	3.4	0.0	37	0.00
WR	Chhattisgarh	5126	0	111.8	56.9	0.4	312	0.00
	Gujarat	17884	0	389.9	219.1	0.8	702	0.00
	MP	15686	0	308.4	174.5	-1.4	676	0.32
	Maharashtra	27305	0	541.7	173.7	-3.1	642	0.00
	Goa	679	0	14.1	13.6	0.5	47	0.00
	DNHDDPDCL	1235	0	28.5	28.6	-0.1	106	0.00
	AMNSIL	837	0	18.3	11.1	-0.1	244	0.00
	BALCO	520	0	12.4	12.4	0.0	13	0.00
SR	Andhra Pradesh	10724	0	216.8	86.0	0.0	390	0.00
	Telangana	14649	0	258.8	136.8	2.4	1097	0.00
	Karnataka	14787	0	269.4	92.8	2.0	1024	0.00
	Kerala	3902	0	79.2	59.1	0.0	162	0.00
	Tamil Nadu	16260	0	323.7	187.9	0.1	1268	0.00
	Puducherry	406	0	8.9	8.5	-0.3	33	0.00
ER	Bihar	4961	0	88.5	76.9	0.0	236	0.25
	DVC	3472	0	74.4	-52.0	-0.1	243	0.00
	Jharkhand	1488	117	27.1	21.5	-3.3	57	2.30
	Odisha	4919	0	103.7	20.5	-2.0	250	0.00
	West Bengal	7470	0	149.5	19.9	-2.9	205	0.00
	Sikkim	116	0	1.7	1.4	0.3	49	0.00
NER	Arunachal Pradesh	162	0	2.8	2.8	-0.1	25	0.00
	Assam	1537	0	25.9	20.5	-0.1	147	0.35
	Manipur	223	0	3.0	3.0	0.1	28	0.05
	Meghalaya	377	0	7.0	6.1	-0.2	25	0.00
	Mizoram	132	0	2.1	1.6	-0.1	12	0.00
	Nagaland	133	0	2.1	2.1	-0.1	20	0.00
	Tripura	238	0	3.8	2.8	-0.2	22	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-3.4	-11.1	-23.1
Day Peak (MW)	-342.3	-575.9	-1066.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	132.9	-102.9	163.7	-193.1	-0.6	0.0
Actual(MU)	129.6	-97.7	163.7	-203.5	0.3	-7.6
O/D/U/D(MU)	-3.3	5.2	0.0	-10.5	0.9	-7.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8110	13646	5278	1155	824	29013	46
State Sector	9970	15788	6351	2432	99	34640	54
Total	18080	29434	11629	3587	923	63652	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	732	1374	641	696	14	3457	76
Lignite	27	23	60	0	0	109	2
Hydro	130	66	91	31	9	326	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	12	15	6	0	31	64	1
RES (Wind, Solar, Biomass & Others)	152	123	186	7	0	468	10
Total	1078	1639	1059	734	54	4565	100

Share of RES in total generation (%)	14.08	7.51	17.57	0.95	0.84	10.26
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.52	13.80	33.33	5.18	17.10	20.46

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.052

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: 12-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	296	0.0	7.2	-7.2
3	765 kV	GAYA-VARANASI	2	0	1017	0.0	19.0	-19.0
4	765 kV	SASARAM-FATEHPUR	1	0	434	0.0	8.2	-8.2
5	765 kV	GAYA-BALIA	1	0	702	0.0	10.9	-10.9
6	400 kV	PUSAULI-VARANASI	1	0	197	0.0	3.9	-3.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	175	0.0	3.1	-3.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	858	0.0	10.3	-10.3
9	400 kV	PATNA-BALIA	2	0	827	0.0	14.0	-14.0
10	400 kV	NAUBATPUR-BALIA	2	0	834	0.0	14.1	-14.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	469	0.0	5.9	-5.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	470	0.0	8.7	-8.7
13	400 kV	BIHARSHARIFF-VARANASI	2	0	440	0.0	7.0	-7.0
14	220 kV	SAHUPURI-KARAMNASA	1	0	140	0.0	1.8	-1.8
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.1	-0.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	23	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	114.1	-113.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	630	621	0.7	0.0	0.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	455	895	0.0	5.6	-5.6
3	765 kV	JHARSUGUDA-DURG	2	0	538	0.0	9.7	-9.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	778	0.0	13.8	-13.8
5	400 kV	RANCHI-SIPAT	2	35	333	0.0	3.4	-3.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	235	0.0	4.1	-4.1
7	220 kV	BUDHIPADAR-KORBA	2	33	60	0.0	0.3	-0.3
					ER-WR	0.7	36.8	-36.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	542	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1889	0.0	44.6	-44.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	3249	0.0	59.4	-59.4
4	400 kV	TALCHER-I/C	2	254	119	0.0	0.1	-0.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	116.4	-116.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	172	27	1.8	0.0	1.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	618	0	7.9	0.0	7.9
3	220 kV	ALIPURDUAR-SALAKATI	2	65	0	0.9	0.0	0.9
					ER-NER	10.7	0.0	10.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	481	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	1516	0.0	25.8	-25.8
2	HVDC	VINDHYACHAL B/B	-	248	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	1444	0	24.2	0.0	24.2
4	765 kV	GWALIOR-AGRA	2	20	1836	0.0	20.2	-20.2
5	765 kV	GWALIOR-PHAGI	2	0	2014	0.0	31.1	-31.1
6	765 kV	JABALPUR-ORAI	2	0	1060	0.0	26.7	-26.7
7	765 kV	GWALIOR-ORAI	1	989	0	17.1	0.0	17.1
8	765 kV	SATNA-ORAI	1	0	904	0.0	16.3	-16.3
9	765 kV	BANASKANTHA-CHITORGARH	2	2247	0	31.7	0.0	31.7
10	765 kV	VINDHYACHAL-VARANASI	2	62	1685	0.0	15.8	-15.8
11	400 kV	ZERDA-KANKROLI	1	382	0	4.2	0.0	4.2
12	400 kV	ZERDA -BHINMAL	1	464	32	3.7	0.0	3.7
13	400 kV	VINDHYACHAL -RIHAND	1	477	0	10.9	0.0	10.9
14	400 kV	RAPP-SHUJALPUR	2	395	505	1.8	2.3	-0.6
15	220 kV	BHANPURA-RANPUR	1	0	164	0.0	2.8	-2.8
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.9	-0.9
17	220 kV	MEHGAON-AURAIYA	1	121	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	87	0	1.9	0.0	1.9
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	103.3	141.9	-38.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	15.8	-15.8
2	HVDC	RAIGARH-PUGALUR	2	0	4021	0.0	44.4	-44.4
3	765 kV	SOLAPUR-RAICHUR	2	919	1458	1.5	12.9	-11.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3049	0.0	47.2	-47.2
5	400 kV	KOLHAPUR-KUDGI	2	1234	0	19.8	0.0	19.8
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	122	2.3	0.0	2.3
					WR-SR	23.6	120.2	-96.6

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)	169	0	46	1.46
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.03
	NER	132kV GELEPHU-SALAKATI	-23	-3	-8	-0.19
	NER	132kV MOTANGA-RANGIA	-19	0	-9	-0.21
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.47
	ER	NEPAL IMPORT (FROM BIHAR)	-116	-20	-78	-1.86
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-386	-135	-324	-7.77
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-925	-729	-855	-20.52
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	141	0	-109	-2.62