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: 14th 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 13.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13- 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 13th 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: 14-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)	50648	61457	46200	20983	2720	182008
Peak Shortage (MW)	1469	0	0	548	0	2017
Energy Met (MU)	1089	1422	1164	441	46	4162
Hydro Gen (MU)	122	58	77	30	8	294
Wind Gen (MU)	16	98	61	-	-	175
Solar Gen (MU)*	130.73	66.85	140.44	6.30	0.79	345
Energy Shortage (MU)	10.73	0.00	0.00	2.58	0.00	13.31
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56415	68451	58851	22037	2772	204992
Time Of Maximum Demand Met (From NLDC SCADA)	10:41	10:22	10:24	19:10	18:02	10:24

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	0.00	0.59	6.16	6.75	66.50	26.76

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	7833	0	147.2	56.1	0.3	215	3.13
	Haryana	7560	0	133.9	72.4	-0.3	189	1.15
	Rajasthan	16301	0	302.6	92.8	0.7	229	5.76
	Delhi	3883	0	67.4	59.9	-2.1	144	0.00
	UP	17946	0	299.7	78.5	-0.5	628	0.00
	Uttarakhand	2264	0	40.1	27.9	0.5	157	0.29
	HP	1949	0	33.1	26.3	0.2	169	0.40
	J&K(UT) & Ladakh(UT)	2880	0	61.3	56.5	-0.9	75	0.00
	Chandigarh	235	0	3.6	3.6	0.0	47	0.00
WR	Chhattisgarh	5163	0	111.4	59.9	0.4	264	0.00
	Gujarat	18079	0	387.8	201.2	-1.3	732	0.00
	MP	15551	0	307.1	182.2	-3.6	316	0.00
	Maharashtra	27090	0	542.9	172.2	0.7	643	0.00
	Goa	675	0	13.8	13.5	0.2	58	0.00
	DNHDDPDCL	1246	0	27.9	27.8	0.1	77	0.00
	AMNSIL	834	0	18.4	11.3	-0.1	239	0.00
	BALCO	518	0	12.3	12.4	-0.1	14	0.00
SR	Andhra Pradesh	11603	0	220.0	85.6	0.6	459	0.00
	Telangana	14157	0	274.6	151.9	-1.1	779	0.00
	Karnataka	14683	0	267.4	97.7	0.0	612	0.00
	Kerala	3993	0	78.7	59.8	0.4	310	0.00
	Tamil Nadu	15603	0	314.9	164.5	-1.1	1184	0.00
	Puducherry	400	0	8.5	8.2	-0.4	37	0.00
ER	Bihar	4921	142	84.3	71.9	0.3	260	0.57
	DVC	3663	0	74.8	-53.0	-0.8	209	0.00
	Jharkhand	1448	0	28.1	21.5	-2.0	127	2.00
	Odisha	4954	0	105.0	24.7	-0.3	502	0.00
	West Bengal	7168	0	147.0	16.9	-3.4	153	0.00
	Sikkim	122	0	1.9	1.4	0.5	64	0.00
NER	Arunachal Pradesh	164	0	2.6	2.7	-0.3	38	0.00
	Assam	1545	0	26.0	20.1	-0.1	119	0.00
	Manipur	222	0	3.0	3.1	-0.1	32	0.00
	Meghalaya	388	0	6.9	6.3	-0.3	28	0.00
	Mizoram	135	0	2.0	1.7	-0.2	11	0.00
	Nagaland	159	0	2.1	2.1	-0.1	12	0.00
	Tripura	230	0	3.7	3.3	-0.4	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-3.3	-11.2	-19.2
Day Peak (MW)	-355.0	-233.1	-924.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	129.6	-104.0	169.5	-196.9	1.8	0.0
Actual(MU)	112.5	-90.9	171.7	-201.8	0.9	-7.7
O/D/U/D(MU)	-17.1	13.1	2.2	-5.0	-0.9	-7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7972	13476	5938	1155	519	29059	46
State Sector	10160	15676	6376	2282	146	34639	54
Total	18131	29151	12314	3437	665	63698	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	689	1310	614	686	12	3311	74
Lignite	29	19	63	0	0	111	2
Hydro	122	58	77	30	8	294	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	12	10	6	0	31	60	1
RES (Wind, Solar, Biomass & Others)	172	169	225	6	1	573	13
Total	1050	1603	1061	723	52	4489	100

Share of RES in total generation (%)	16.38	10.55	21.22	0.88	1.52	12.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.44	16.44	35.63	5.09	17.76	22.44

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.017
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: 14-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	7.3	-7.3
3	765 kV	GAYA-VARANASI	2	0	1126	0.0	20.5	-20.5
4	765 kV	SASARAM-FATEHPUR	1	0	521	0.0	9.3	-9.3
5	765 kV	GAYA-BALIA	1	0	682	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	0	194	0.0	3.9	-3.9
7	400 kV	PUSAULI - ALLAHABAD	1	0	191	0.0	3.3	-3.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	876	0.0	10.9	-10.9
9	400 kV	PATNA-BALIA	2	0	676	0.0	11.6	-11.6
10	400 kV	NAUBATPUR-BALIA	2	0	733	0.0	12.9	-12.9
11	400 kV	BIHARSHARIFF-BALIA	2	33	406	0.0	4.0	-4.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	584	0.0	9.5	-9.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	480	0.0	6.8	-6.8
14	220 kV	SAHUPURI-KARAMNASA	1	24	132	0.0	1.4	-1.4
15	132 kV	NAGAR UNTARI-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	32	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	110.9	-110.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	813	481	5.5	0.0	5.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	195	884	0.0	8.7	-8.7
3	765 kV	JHARSUGUDA-DURG	2	0	851	0.0	10.0	-10.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	872	0.0	15.9	-15.9
5	400 kV	RANCHI-SIPAT	2	0	375	0.0	3.9	-3.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	206	0.0	3.6	-3.6
7	220 kV	BUDHIPADAR-KORBA	2	230	73	0.0	0.6	-0.6
					ER-WR	5.5	42.7	-37.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	546	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1993	0.0	40.2	-40.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	3325	0.0	63.0	-63.0
4	400 kV	TALCHER-I/C	2	540	192	4.3	0.0	4.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	115.6	-115.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	199	12	1.4	0.1	1.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	689	0	7.0	0.0	7.0
3	220 kV	ALIPURDUAR-SALAKATI	2	69	0	0.7	0.0	0.7
					ER-NER	9.2	0.1	9.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	485	0	11.4	0.0	11.4
					NER-NR	11.4	0.0	11.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	312	0.0	7.5	-7.5
2	HVDC	VINDHYACHAL B/B	-	248	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	978	0	14.0	0.0	14.0
4	765 kV	GWALIOR-AGRA	2	0	2086	0.0	22.1	-22.1
5	765 kV	GWALIOR-PHAGI	2	0	2170	0.0	30.7	-30.7
6	765 kV	JABALPUR-ORAI	2	0	1158	0.0	23.6	-23.6
7	765 kV	GWALIOR-ORAI	1	1029	0	18.9	0.0	18.9
8	765 kV	SATNA-ORAI	1	0	1005	0.0	16.0	-16.0
9	765 kV	BANASKANTHA-CHITORGARH	2	2535	0	31.2	0.0	31.2
10	765 kV	VINDHYACHAL-VARANASI	2	126	1671	0.0	14.8	-14.8
11	400 kV	ZERDA-KANKROLI	1	377	37	4.1	0.0	4.1
12	400 kV	ZERDA -BHINMAL	1	545	187	5.4	0.2	5.1
13	400 kV	VINDHYACHAL -RIHAND	1	493	0	10.7	0.0	10.7
14	400 kV	RAPP-SHUJALPUR	2	477	587	2.6	2.5	0.1
15	220 kV	BHANPURA-RANPUR	1	0	179	0.0	2.8	-2.8
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.1	-1.1
17	220 kV	MEHGAON-AURAIYA	1	113	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	85	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	96.6	121.3	-24.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	18.1	-18.1
2	HVDC	RAIGARH-PUGALUR	2	0	3005	0.0	40.5	-40.5
3	765 kV	SOLAPUR-RAICHUR	2	834	2123	2.7	17.5	-14.8
4	765 kV	WARDHA-NIZAMABAD	2	0	3308	0.0	53.1	-53.1
5	400 kV	KOLHAPUR-KUDGI	2	1479	0	21.5	0.0	21.5
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	105	2.3	0.0	2.3
					WR-SR	26.5	129.3	-102.8

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	-2.21
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	181	0	54	1.46
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.97
	NER	132kV GELEPHU-SALAKATI	-24	0	-17	-0.40
	NER	132kV MOTANGA-RANGIA	-16	21	-8	-0.19
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-60	-1.45
	ER	NEPAL IMPORT (FROM BIHAR)	155	78	-101	-2.43
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-312	-97	-303	-7.27
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-786	-481	-685	-16.43
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-138	0	-117	-2.80