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: 19th 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 18.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18- 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 18th 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:** **19-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)	48363	59428	45462	20643	2524	176420
Peak Shortage (MW)	611	559	0	352	130	1652
Energy Met (MU)	1134	1439	1201	443	46	4263
Hydro Gen (MU)	143	74	88	28	8	340
Wind Gen (MU)	5	48	27	-	-	79
Solar Gen (MU)*	126.59	64.62	130.90	5.04	0.81	328
Energy Shortage (MU)	12.21	11.72	0.00	2.59	0.72	27.24
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	58175	67893	60659	21364	2584	207695
Time Of Maximum Demand Met (From NLDC SCADA)	11:23	10:21	10:21	18:18	17:54	11:27

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	0.061	0.31	0.88	9.25	10.44	71.43	18.13

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	8122	0	165.9	71.4	-0.7	162	0.49
	Haryana	7805	0	143.1	68.7	-1.3	171	0.00
	Rajasthan	16268	580	308.5	103.8	-0.7	193	9.97
	Delhi	3921	0	64.3	51.4	-3.5	69	0.00
	UP	16958	0	320.3	87.9	-1.9	217	0.00
	Uttarakhand	2090	220	38.5	27.0	-0.7	74	1.45
	HP	1791	0	29.6	22.0	-0.9	57	0.00
	J&K(UT) & Ladakh(UT)	2764	0	60.1	52.7	-1.8	145	0.30
	Chandigarh	217	0	3.3	3.6	-0.3	30	0.00
WR	Chhattisgarh	5105	0	111.4	58.6	0.2	347	0.59
	Gujarat	17982	0	395.4	184.2	-4.8	698	0.00
	MP	15273	734	298.0	171.9	3.1	789	11.13
	Maharashtra	27810	0	563.0	156.9	0.4	760	0.00
	Goa	652	0	13.1	12.9	-0.1	117	0.00
	DNHDDPDCL	1194	0	27.0	26.9	0.1	77	0.00
	AMNSIL	834	0	18.2	11.0	0.2	268	0.00
	BALCO	519	0	12.4	12.4	0.0	10	0.00
SR	Andhra Pradesh	11825	0	222.9	92.3	-1.2	811	0.00
	Telangana	14370	0	286.8	166.6	1.6	1622	0.00
	Karnataka	15405	0	275.6	89.3	3.1	1177	0.00
	Kerala	3793	0	78.5	59.7	-0.2	149	0.00
	Tamil Nadu	16106	0	328.8	192.1	-1.4	764	0.00
	Puducherry	387	0	8.7	8.4	-0.4	22	0.00
ER	Bihar	4767	0	86.9	76.1	-1.7	173	0.92
	DVC	3590	0	75.9	-40.1	1.1	224	0.00
	Jharkhand	1555	152	27.2	20.9	-2.1	90	1.67
	Odisha	4915	0	107.8	22.6	0.3	421	0.00
	West Bengal	6921	0	143.7	25.3	-3.6	331	0.00
	Sikkim	116	0	1.9	1.4	0.4	31	0.00
NER	Arunachal Pradesh	156	0	2.2	2.3	-0.2	34	0.00
	Assam	1438	150	26.4	19.9	0.4	169	0.72
	Manipur	210	0	3.0	3.0	0.0	17	0.00
	Meghalaya	363	0	6.5	6.2	-0.3	29	0.00
	Mizoram	129	0	1.9	1.7	-0.3	11	0.00
	Nagaland	135	0	2.2	2.1	0.0	20	0.00
	Tripura	233	0	3.9	3.4	-0.2	23	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-4.1	-8.2	-22.2
Day Peak (MW)	-338.0	-495.0	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	120.9	-154.5	206.7	-172.3	-0.7	0.0
Actual(MU)	106.8	-138.0	198.1	-172.6	-2.1	-7.7
O/D/U/D(MU)	-14.1	16.5	-8.6	-0.2	-1.3	-7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6892	14491	5388	2810	894	30474	48
State Sector	9595	14099	5319	3432	167	32611	52
Total	16486	28589	10707	6242	1061	63085	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	743	1444	659	669	14	3529	76
Lignite	31	17	64	0	0	112	2
Hydro	143	74	88	28	8	340	7
Nuclear	20	37	76	0	0	133	3
Gas, Naptha & Diesel	18	16	7	0	32	73	2
RES (Wind, Solar, Biomass & Others)	156	115	178	5	1	455	10
Total	1112	1703	1073	701	54	4643	100

Share of RES in total generation (%)	14.07	6.74	16.63	0.72	1.49	9.81
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.73	13.23	31.97	4.69	15.58	20.01

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.014
Based on State Max Demands	1.039

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: 19-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	6.6	-6.6
3	765 kV	GAYA-VARANASI	2	0	829	0.0	12.7	-12.7
4	765 kV	SASARAM-FATEHPUR	1	0	290	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	0	714	0.0	11.3	-11.3
6	400 kV	PUSAULI-VARANASI	1	0	225	0.0	4.6	-4.6
7	400 kV	PUSAULI -ALLAHABAD	1	0	148	0.0	2.3	-2.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	674	0.0	7.4	-7.4
9	400 kV	PATNA-BALIA	2	0	609	0.0	11.6	-11.6
10	400 kV	NAUBATPUR-BALIA	2	0	664	0.0	12.4	-12.4
11	400 kV	BIHARSHARIFF-BALIA	2	0	428	0.0	5.1	-5.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	388	0.0	6.2	-6.2
13	400 kV	BIHARSHARIFF-VARANASI	2	0	331	0.0	5.7	-5.7
14	220 kV	SAHUPURI-KARAMNASA	1	2	94	0.0	1.0	-1.0
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	29	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	92.0	-91.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1108	358	8.0	0.0	8.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	358	650	0.0	7.0	-7.0
3	765 kV	JHARSUGUDA-DURG	2	0	708	0.0	12.3	-12.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	819	0.0	15.5	-15.5
5	400 kV	RANCHI-SIPAT	2	13	271	0.0	4.3	-4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	208	0.0	3.7	-3.7
7	220 kV	BUDHIPADAR-KORBA	2	26	50	0.0	0.1	-0.1
					ER-WR	8.0	42.9	-34.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	436	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	40.6	-40.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2989	0.0	58.5	-58.5
4	400 kV	TALCHER-I/C	2	250	320	2.3	0.0	2.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	109.1	-109.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	185	36	2.3	0.0	2.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	642	0	9.4	0.0	9.4
3	220 kV	ALIPURDUAR-SALAKATI	2	109	4	0.8	0.0	0.8
					ER-NER	12.5	0.0	12.4
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	1006	0.0	24.3	-24.3
2	HVDC	VINDHYACHAL B/B	-	250	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	301	0	7.2	0.0	7.2
4	765 kV	GWALIOR-AGRA	2	180	1752	0.1	17.3	-17.2
5	765 kV	GWALIOR-PHAGI	2	0	1643	0.0	24.1	-24.1
6	765 kV	JABALPUR-ORAI	2	0	823	0.0	21.5	-21.5
7	765 kV	GWALIOR-ORAI	1	939	0	17.9	0.0	17.9
8	765 kV	SATNA-ORAI	1	0	745	0.0	14.3	-14.3
9	765 kV	BANASKANTHA-CHITORGARH	2	2268	0	34.8	0.0	34.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	1885	0.0	20.7	-20.7
11	400 kV	ZERDA-KANKROLI	1	306	0	4.1	0.0	4.1
12	400 kV	ZERDA -BHINMAL	1	518	64	5.5	0.0	5.4
13	400 kV	VINDHYACHAL -RIHAND	1	495	0	10.8	0.0	10.8
14	400 kV	RAPP-SHUJALPUR	2	514	346	3.2	1.3	1.9
15	220 kV	BHANPURA-RANPUR	1	0	164	0.0	2.8	-2.8
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
17	220 kV	MEHGAON-AURAIYA	1	111	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	81	0	2.0	0.0	2.0
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	93.5	127.7	-34.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	19.0	-19.0
2	HVDC	RAIGARH-PUGALUR	2	0	4513	0.0	76.0	-76.0
3	765 kV	SOLAPUR-RAICHUR	2	1070	1401	2.9	12.3	-9.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3373	0.0	55.5	-55.5
5	400 kV	KOLHAPUR-KUDGI	2	1374	0	20.8	0.0	20.8
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	1	126	0.7	0.0	0.7
					WR-SR	24.5	162.8	-138.3

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	-2.23
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	172	0	47	1.31
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.19
	NER	132kV GELEPHU-SALAKATI	-40	-17	-37	-0.89
	NER	132kV MOTANGA-RANGIA	-11	0	-3	-0.07
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.00
	ER	NEPAL IMPORT (FROM BIHAR)	-144	-62	-96	-2.30
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-351	-31	-245	-5.88
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-922	-632	-820	-19.68
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-136	0	-106	-2.54