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: 13th 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 12.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12- 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 12th 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: 13-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)	49329	57985	41717	21005	2475	172511
Peak Shortage (MW)	35	0	0	62	0	97
Energy Met (MU)	1083	1389	1109	443	45	4069
Hydro Gen (MU)	122	55	60	31	8	276
Wind Gen (MU)	35	106	35	-	-	176
Solar Gen (MU)*	125.13	63.80	137.69	6.24	0.55	333
Energy Shortage (MU)	0.76	0.33	0.00	1.80	0.16	3.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56957	67434	55674	21141	2573	200554
Time Of Maximum Demand Met (From NLDC SCADA)	10:37	10:26	09:41	18:56	18:08	10:29

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	0.100	0.00	0.00	1.30	1.30	49.82	48.88

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	7683	0	147.9	56.4	-0.4	121	0.00
	Haryana	7183	0	127.9	66.3	-0.5	293	0.72
	Rajasthan	16514	0	303.6	93.2	-2.7	157	0.00
	Delhi	3794	0	64.3	55.5	-0.7	156	0.00
	UP	17010	0	308.5	97.2	-0.2	567	0.00
	Uttarakhand	2107	0	36.7	25.3	-0.1	109	0.04
	HP	1781	0	31.6	25.6	-0.1	108	0.00
	J&K(UT) & Ladakh(UT)	2961	0	59.6	55.0	-1.1	66	0.00
	Chandigarh	197	0	3.3	3.3	-0.1	21	0.00
WR	Chhattisgarh	5198	0	112.2	59.5	0.3	236	0.00
	Gujarat	17333	0	376.0	200.1	-4.7	679	0.00
	MP	15624	0	305.1	185.8	-2.1	566	0.33
	Maharashtra	26208	0	526.4	170.4	-0.4	606	0.00
	Goa	641	0	12.8	12.6	0.2	49	0.00
	DNHDDPDCL	1183	0	26.8	26.9	-0.1	35	0.00
	AMNSIL	802	0	17.7	11.1	-0.1	233	0.00
	BALCO	519	0	12.4	12.4	0.0	12	0.00
SR	Andhra Pradesh	11514	0	218.8	90.2	0.3	403	0.00
	Telangana	14046	0	270.4	146.1	1.0	647	0.00
	Karnataka	13920	0	251.1	100.3	0.5	831	0.00
	Kerala	3621	0	72.1	59.6	0.2	206	0.00
	Tamil Nadu	13748	0	288.4	160.3	-2.3	463	0.00
	Puducherry	351	0	8.2	7.8	-0.3	37	0.00
ER	Bihar	4634	0	84.3	72.1	0.5	347	0.50
	DVC	3456	0	74.1	-53.1	0.7	257	0.00
	Jharkhand	1545	202	28.1	22.1	-2.9	51	1.30
	Odisha	4914	0	110.6	25.8	-0.4	319	0.00
	West Bengal	7003	0	144.0	12.4	-0.9	341	0.00
	Sikkim	107	0	1.6	1.3	0.3	45	0.00
NER	Arunachal Pradesh	143	0	2.5	2.7	-0.3	20	0.00
	Assam	1450	0	25.5	19.3	0.4	177	0.16
	Manipur	209	0	2.9	3.1	-0.2	22	0.00
	Meghalaya	354	0	6.7	6.3	-0.2	20	0.00
	Mizoram	118	0	1.9	1.5	-0.2	11	0.00
	Nagaland	126	0	2.1	2.1	-0.1	21	0.00
	Tripura	226	0	3.8	2.9	0.2	48	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-3.4	-12.0	-23.7
Day Peak (MW)	-343.0	-580.9	-1073.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	128.4	-99.7	162.3	-192.9	2.0	0.0
Actual(MU)	109.0	-79.6	162.4	-197.2	2.3	-3.2
O/D/U/D(MU)	-19.3	20.1	0.2	-4.3	0.3	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8214	13311	5278	1155	824	28781	45
State Sector	10960	16288	5936	2432	167	35783	55
Total	19173	29599	11214	3587	991	64564	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	679	1300	617	693	10	3298	74
Lignite	28	21	59	0	0	108	2
Hydro	122	55	60	31	8	276	6
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	12	6	6	0	31	55	1
RES (Wind, Solar, Biomass & Others)	185	171	195	7	1	559	13
Total	1051	1589	1014	731	50	4435	100

Share of RES in total generation (%)	17.62	10.77	19.23	0.95	1.11	12.60
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.70	16.55	32.67	5.21	17.14	21.96

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.038

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: 13-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	7.0	-7.0
3	765 kV	GAYA-VARANASI	2	0	1034	0.0	18.5	-18.5
4	765 kV	SASARAM-FATEHPUR	1	0	404	0.0	7.5	-7.5
5	765 kV	GAYA-BALIA	1	0	605	0.0	10.7	-10.7
6	400 kV	PUSAULI-VARANASI	1	0	195	0.0	3.9	-3.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	189	0.0	3.4	-3.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	853	0.0	9.6	-9.6
9	400 kV	PATNA-BALIA	2	0	656	0.0	12.9	-12.9
10	400 kV	NAUBATPUR-BALIA	2	0	712	0.0	13.8	-13.8
11	400 kV	BIHARSHARIFF-BALIA	2	8	401	0.0	5.6	-5.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	541	0.0	8.8	-8.8
13	400 kV	BIHARSHARIFF-VARANASI	2	0	450	0.0	6.8	-6.8
14	220 kV	SAHUPURI-KARAMNASA	1	3	140	0.0	1.6	-1.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	34	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	110.2	-109.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	577	514	5.2	0.0	5.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	221	696	0.0	5.7	-5.7
3	765 kV	JHARSUGUDA-DURG	2	0	505	0.0	9.9	-9.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	816	0.0	14.1	-14.1
5	400 kV	RANCHI-SIPAT	2	0	264	0.0	3.5	-3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	209	0.0	4.0	-4.0
7	220 kV	BUDHIPADAR-KORBA	2	22	67	0.0	0.4	-0.4
					ER-WR	5.2	37.5	-32.3
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	1986	0.0	42.8	-42.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	3108	0.0	60.0	-60.0
4	400 kV	TALCHER-I/C	2	249	214	1.3	0.0	1.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	115.2	-115.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	138	61	1.4	0.1	1.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	514	99	6.6	0.0	6.6
3	220 kV	ALIPURDUAR-SALAKATI	2	52	10	0.7	0.0	0.7
					ER-NER	8.7	0.1	8.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	484	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	319	0.0	7.4	-7.4
2	HVDC	VINDHYACHAL B/B	-	248	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	1445	0	32.4	0.0	32.4
4	765 kV	GWALIOR-AGRA	2	0	2174	0.0	24.3	-24.3
5	765 kV	GWALIOR-PHAGI	2	0	1729	0.0	25.8	-25.8
6	765 kV	JABALPUR-ORAI	2	0	903	0.0	24.4	-24.4
7	765 kV	GWALIOR-ORAI	1	1010	0	17.8	0.0	17.8
8	765 kV	SATNA-ORAI	1	0	772	0.0	14.5	-14.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1480	54	20.1	0.0	20.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	1519	0.0	17.1	-17.1
11	400 kV	ZERDA-KANKROLI	1	217	21	2.6	0.0	2.6
12	400 kV	ZERDA -BHINMAL	1	418	23	4.4	0.0	4.3
13	400 kV	VINDHYACHAL -RIHAND	1	477	0	10.8	0.0	10.8
14	400 kV	RAPP-SHUJALPUR	2	533	345	2.9	1.4	1.5
15	220 kV	BHANPURA-RANPUR	1	0	179	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	115	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	82	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	100.8	118.7	-17.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	10.4	-10.4
2	HVDC	RAIGARH-PUGALUR	2	0	4009	0.0	40.5	-40.5
3	765 kV	SOLAPUR-RAICHUR	2	801	1901	2.3	15.6	-13.3
4	765 kV	WARDHA-NIZAMABAD	2	0	3162	0.0	52.7	-52.7
5	400 kV	KOLHAPUR-KUDGI	2	1295	0	20.7	0.0	20.7
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	121	2.2	0.0	2.2
					WR-SR	25.2	119.1	-93.9

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	-2.27
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	173	0	46	1.22
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.08
	NER	132kV GELEPHU-SALAKATI	-21	0	-8	-0.20
	NER	132kV MOTANGA-RANGIA	-17	20	-4	-0.09
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-64	-1.53
	ER	NEPAL IMPORT (FROM BIHAR)	-126	-66	-89	-2.14
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-381	-251	-348	-8.35
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-930	-723	-866	-20.77
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-143	0	-120	-2.89