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: 09th 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 08.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08- 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 08th 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: 09-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)	50787	60761	45960	21487	2706	181701
Peak Shortage (MW)	771	105	0	370	0	1246
Energy Met (MU)	1137	1449	1133	456	47	4221
Hydro Gen (MU)	129	61	98	31	7	326
Wind Gen (MU)	16	27	30	-	-	73
Solar Gen (MU)*	123.15	64.20	124.77	5.05	0.36	318
Energy Shortage (MU)	5.11	0.42	1.17	2.42	0.11	9.23
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	58867	68387	57648	22077	2775	204615
Time Of Maximum Demand Met (From NLDC SCADA)	11:26	10:30	11:58	18:15	17:47	11:40

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	0.057	0.12	1.69	8.22	10.02	68.87	21.11

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	7994	0	150.7	59.2	0.0	172	0.20
	Haryana	8200	0	148.6	76.4	-0.6	145	0.57
	Rajasthan	16274	176	298.3	89.0	-0.7	148	2.26
	Delhi	4078	0	70.0	62.1	-1.7	119	0.00
	UP	17303	143	327.7	84.8	1.7	586	1.74
	Uttarakhand	2333	0	42.2	30.4	0.6	137	0.03
	HP	1959	0	34.5	26.9	0.8	200	0.00
	J&K(UT) & Ladakh(UT)	2888	0	61.4	57.2	-1.6	34	0.31
	Chandigarh	238	0	3.6	3.6	0.0	39	0.00
WR	Chhattisgarh	5192	0	112.0	56.4	1.0	444	0.25
	Gujarat	17427	0	384.5	223.7	-1.1	464	0.00
	MP	15614	0	307.4	180.8	-1.0	558	0.00
	Maharashtra	27809	0	574.8	189.9	0.7	760	0.00
	Goa	664	0	13.0	12.8	-0.1	43	0.17
	DNHDDPDCL	1249	0	28.9	28.9	0.0	84	0.00
	AMNSIL	758	0	15.8	8.5	0.2	297	0.00
	BALCO	516	0	12.3	12.4	-0.1	9	0.00
SR	Andhra Pradesh	11750	0	219.0	87.7	-0.4	410	0.00
	Telangana	13297	0	236.9	119.6	8.1	1370	0.00
	Karnataka	15100	0	271.9	99.9	0.2	507	0.00
	Kerala	4070	0	79.7	58.5	-0.2	180	1.17
	Tamil Nadu	15402	0	316.8	180.5	1.6	766	0.00
	Puducherry	392	0	8.6	8.3	-0.5	21	0.00
ER	Bihar	5042	0	89.1	79.8	-1.7	244	0.23
	DVC	3627	0	75.1	-53.3	-0.2	259	0.00
	Jharkhand	1521	101	27.3	20.3	-2.1	102	2.20
	Odisha	5399	0	113.3	32.4	-1.4	405	0.00
	West Bengal	7373	0	149.5	17.0	-3.3	100	0.00
	Sikkim	90	0	1.5	1.5	0.0	29	0.00
NER	Arunachal Pradesh	163	0	2.7	2.7	-0.2	26	0.00
	Assam	1547	0	25.9	19.7	-0.2	105	0.00
	Manipur	226	7	3.1	3.0	0.1	42	0.11
	Meghalaya	394	0	7.2	6.1	-0.3	45	0.00
	Mizoram	135	0	2.1	1.6	-0.1	24	0.00
	Nagaland	142	0	2.0	2.0	0.0	32	0.00
	Tripura	237	0	3.9	2.6	0.2	48	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-3.6	-11.4	-25.0
Day Peak (MW)	-309.6	-511.4	-1061.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	127.4	-93.7	142.4	-175.2	-0.9	0.0
Actual(MU)	112.3	-85.5	153.5	-187.9	-0.7	-8.4
O/D/U/D(MU)	-15.2	8.2	11.1	-12.7	0.1	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7404	12640	5778	1825	937	28583	46
State Sector	8950	15686	6403	2972	99	34109	54
Total	16353	28325	12181	4797	1036	62692	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	745	1419	642	692	17	3514	77
Lignite	28	21	49	0	0	97	2
Hydro	129	61	98	31	7	326	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	12	16	7	0	31	66	1
RES (Wind, Solar, Biomass & Others)	166	93	177	5	0	442	10
Total	1106	1647	1050	727	55	4584	100

Share of RES in total generation (%)	15.03	5.67	16.86	0.34	0.66	9.59
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.02	11.64	33.51	4.55	13.28	19.74

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.058

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: 09-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	7.1	-7.1
3	765 kV	GAYA-VARANASI	2	0	827	0.0	15.5	-15.5
4	765 kV	SASARAM-FATEHPUR	1	0	363	0.0	7.2	-7.2
5	765 kV	GAYA-BALIA	1	0	725	0.0	12.3	-12.3
6	400 kV	PUSAULI-VARANASI	1	0	199	0.0	4.1	-4.1
7	400 kV	PUSAULI - ALLAHABAD	1	0	161	0.0	2.8	-2.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	712	0.0	9.5	-9.5
9	400 kV	PATNA-BALIA	2	0	747	0.0	14.5	-14.5
10	400 kV	NAUBATPUR-BALIA	2	0	815	0.0	15.6	-15.6
11	400 kV	BIHARSHARIFF-BALIA	2	0	434	0.0	7.2	-7.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	477	0.0	8.5	-8.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	339	0.0	5.7	-5.7
14	220 kV	SAHUPURI-KARAMNASA	1	0	170	0.0	2.7	-2.7
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	30	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	112.6	-112.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1051	324	12.0	0.0	12.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	353	727	0.0	4.5	-4.5
3	765 kV	JHARSUGUDA-DURG	2	0	491	0.0	8.8	-8.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	934	0.0	14.9	-14.9
5	400 kV	RANCHI-SIPAT	2	13	284	0.0	3.7	-3.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	220	0.0	3.9	-3.9
7	220 kV	BUDHIPADAR-KORBA	2	34	71	0.0	0.2	-0.2
					ER-WR	12.0	35.9	-23.9
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	1648	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	3158	0.0	62.6	-62.6
4	400 kV	TALCHER-I/C	2	270	0	4.7	0.0	4.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	114.6	-114.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	182	42	2.1	0.0	2.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	645	25	8.0	0.0	8.0
3	220 kV	ALIPURDUAR-SALAKATI	2	65	4	0.9	0.0	0.9
					ER-NER	10.9	0.0	10.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	484	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	797	0.0	11.2	-11.2
2	HVDC	VINDHYACHAL B/B	-	247	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	976	0	18.0	0.0	18.0
4	765 kV	GWALIOR-AGRA	2	0	1772	0.0	20.3	-20.3
5	765 kV	GWALIOR-PHAGI	2	0	1827	0.0	29.0	-29.0
6	765 kV	JABALPUR-ORAI	2	0	942	0.0	24.6	-24.6
7	765 kV	GWALIOR-ORAI	1	932	0	16.3	0.0	16.3
8	765 kV	SATNA-ORAI	1	0	902	0.0	17.2	-17.2
9	765 kV	BANASKANTHA-CHITORGARH	2	2151	0	39.0	0.0	39.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2023	0.0	24.8	-24.8
11	400 kV	ZERDA-KANKROLI	1	345	0	5.5	0.0	5.5
12	400 kV	ZERDA -BHINMAL	1	556	11	7.0	0.0	7.0
13	400 kV	VINDHYACHAL -RIHAND	1	485	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUJALPUR	2	408	341	2.5	1.3	1.2
15	220 kV	BHANPURA-RANPUR	1	0	153	0.0	2.7	-2.7
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8
17	220 kV	MEHGAON-AURAIYA	1	128	0	1.1	0.0	1.1
18	220 kV	MALANPUR-AURAIYA	1	84	0	2.2	0.0	2.2
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	109.1	131.8	-22.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	12.7	-12.7
2	HVDC	RAIGARH-PUGALUR	2	0	4005	0.0	30.9	-30.9
3	765 kV	SOLAPUR-RAICHUR	2	497	1898	0.2	19.9	-19.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2891	0.0	48.0	-48.0
5	400 kV	KOLHAPUR-KUDGI	2	1395	0	24.1	0.0	24.1
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	117	0.5	0.0	0.5
					WR-SR	24.9	111.6	-86.7

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	-2.49
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	187	0	40	1.43
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-2.02
	NER	132kV GELEPHU-SALAKATI	-25	-9	-18	-0.44
	NER	132kV MOTANGA-RANGIA	-12	-1	-3	-0.08
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-62	-1.50
	ER	NEPAL IMPORT (FROM BIHAR)	-140	-28	-85	-2.04
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-296	-190	-296	-7.89
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-781	-924	-22.31
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-137	0	-112	-2.68