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: 07th 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 06.02.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06- 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 06th 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: 07-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)	51413	59514	44922	21846	2696	180391
Peak Shortage (MW)	0	0	0	357	16	373
Energy Met (MU)	1106	1422	1098	438	47	4110
Hydro Gen (MU)	126	49	82	31	9	296
Wind Gen (MU)	24	55	31	-	-	109
Solar Gen (MU)*	117.73	63.18	122.05	5.21	0.56	309
Energy Shortage (MU)	0.40	0.00	0.80	2.69	0.10	3.99
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57210	68582	56733	21920	2747	202165
Time Of Maximum Demand Met (From NLDC SCADA)	10:09	10:49	12:26	19:13	17:57	10:42

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	0.089	0.03	2.26	11.65	13.95	57.70	28.35

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	7597	0	144.9	55.2	-1.0	153	0.00
	Haryana	7897	0	142.4	74.2	0.2	159	0.00
	Rajasthan	15894	0	293.9	91.0	-0.2	176	0.00
	Delhi	4037	0	67.4	61.4	-2.3	202	0.00
	UP	17624	0	320.5	100.5	0.4	420	0.25
	Uttarakhand	2288	0	40.9	28.9	0.2	138	0.15
	HP	1843	0	33.1	26.3	-0.2	77	0.00
	J&K(UT) & Ladakh(UT)	2800	0	59.7	57.6	-3.4	0	0.00
	Chandigarh	240	0	3.6	3.8	-0.2	30	0.00
WR	Chhattisgarh	5097	0	108.8	54.6	-0.1	282	0.00
	Gujarat	17923	0	378.9	223.6	0.6	885	0.00
	MP	15493	0	298.2	178.7	-3.3	422	0.00
	Maharashtra	27483	0	565.0	184.5	-1.4	653	0.00
	Goa	658	0	14.0	13.0	0.7	54	0.00
	DNHDDPDCL	1230	0	28.0	28.1	-0.1	45	0.00
	AMNSIL	784	0	16.4	8.7	0.5	322	0.00
	BALCO	515	0	12.3	12.4	-0.1	4	0.00
SR	Andhra Pradesh	11525	0	214.0	83.6	0.1	504	0.00
	Telangana	13668	0	233.8	115.9	2.7	1016	0.00
	Karnataka	14713	0	265.1	92.2	-0.7	519	0.00
	Kerala	4046	0	78.6	62.1	0.3	165	0.80
	Tamil Nadu	14907	0	297.8	160.7	0.6	748	0.00
	Puducherry	383	0	8.4	8.2	-0.5	16	0.00
ER	Bihar	4976	0	90.0	77.3	0.5	305	0.34
	DVC	3543	0	73.8	-55.0	-0.8	201	0.00
	Jharkhand	1548	0	27.4	21.3	-2.6	72	2.36
	Odisha	4789	0	100.3	31.6	-2.9	301	0.00
	West Bengal	7351	0	144.5	10.4	-3.1	369	0.00
	Sikkim	118	0	1.9	1.5	0.4	67	0.00
NER	Arunachal Pradesh	157	0	2.4	2.7	-0.4	25	0.00
	Assam	1522	0	26.5	20.3	0.3	101	0.00
	Manipur	217	9	3.1	3.0	0.1	39	0.10
	Meghalaya	394	0	7.2	5.7	0.0	38	0.00
	Mizoram	136	0	2.0	1.6	-0.2	17	0.00
	Nagaland	140	0	2.2	2.1	0.0	17	0.00
	Tripura	237	0	3.9	2.2	0.0	27	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.5	-11.4	-20.9
Day Peak (MW)	-239.7	-548.4	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	148.6	-89.1	132.8	-190.4	-1.9	0.0
Actual(MU)	132.0	-81.6	141.4	-194.0	-2.3	-4.5
O/D/U/D(MU)	-16.6	7.5	8.6	-3.7	-0.3	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7534	11840	6278	1525	574	27750	47
State Sector	8725	15256	5113	1822	78	30993	53
Total	16258	27095	11391	3347	652	58743	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	694	1379	634	678	16	3400	76
Lignite	30	20	52	0	0	102	2
Hydro	126	49	82	31	9	296	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	12	11	7	0	31	61	1
RES (Wind, Solar, Biomass & Others)	168	120	176	3	1	467	10
Total	1056	1615	1027	711	56	4465	100

Share of RES in total generation (%)	15.94	7.42	17.10	0.36	0.99	10.46
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.34	12.73	32.49	4.68	16.77	20.21

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.057

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: 07-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	1011	0.0	17.5	-17.5
4	765 kV	SASARAM-FATEHPUR	1	0	447	0.0	8.0	-8.0
5	765 kV	GAYA-BALIA	1	0	706	0.0	11.9	-11.9
6	400 kV	PUSAULI-VARANASI	1	0	201	0.0	3.9	-3.9
7	400 kV	PUSAULI - ALLAHABAD	1	0	173	0.0	3.2	-3.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	895	0.0	10.8	-10.8
9	400 kV	PATNA-BALIA	2	0	753	0.0	13.5	-13.5
10	400 kV	NAUBATPUR-BALIA	2	0	815	0.0	14.3	-14.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	465	0.0	6.8	-6.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	566	0.0	9.5	-9.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	441	0.0	5.8	-5.8
14	220 kV	SAHUPURI-KARAMNASA	1	0	157	0.0	1.9	-1.9
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	29	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	114.3	-114.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	722	357	6.7	0.0	6.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	256	672	0.0	8.3	-8.3
3	765 kV	JHARSUGUDA-DURG	2	0	564	0.0	10.1	-10.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	828	0.0	13.8	-13.8
5	400 kV	RANCHI-SIPAT	2	14	286	0.0	3.5	-3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	222	0.0	3.9	-3.9
7	220 kV	BUDHIPADAR-KORBA	2	36	69	0.0	0.3	-0.3
					ER-WR	6.7	40.0	-33.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	549	0.0	11.6	-11.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	41.9	-41.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2891	0.0	58.3	-58.3
4	400 kV	TALCHER-I/C	2	248	237	1.9	0.0	1.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	111.8	-111.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	176	0	2.4	0.0	2.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	632	0	10.1	0.0	10.1
3	220 kV	ALIPURDUAR-SALAKATI	2	61	0	1.0	0.0	1.0
					ER-NER	13.5	0.0	13.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	483	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	1002	0.0	24.3	-24.3
2	HVDC	VINDHYACHAL B/B	-	247	0	6.7	0.0	6.7
3	HVDC	MUNDRA-MOHINDERGARH	2	689	0	16.4	0.0	16.4
4	765 kV	GWALIOR-AGRA	2	0	1806	0.0	21.1	-21.1
5	765 kV	GWALIOR-PHAGI	2	0	1996	0.0	30.2	-30.2
6	765 kV	JABALPUR-ORAI	2	0	1002	0.0	24.5	-24.5
7	765 kV	GWALIOR-ORAI	1	1024	0	16.6	0.0	16.6
8	765 kV	SATNA-ORAI	1	0	941	0.0	17.4	-17.4
9	765 kV	BANASKANTHA-CHITORGARH	2	2247	0	35.5	0.0	35.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	1821	0.0	21.8	-21.8
11	400 kV	ZERDA-KANKROLI	1	352	0	5.4	0.0	5.4
12	400 kV	ZERDA -BHINMAL	1	567	0	7.3	0.0	7.3
13	400 kV	VINDHYACHAL -RIHAND	1	483	0	10.9	0.0	10.9
14	400 kV	RAPP-SHUJALPUR	2	483	401	2.7	2.1	0.7
15	220 kV	BHANPURA-RANPUR	1	0	142	0.0	2.5	-2.5
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.9	-0.9
17	220 kV	MEHGAON-AURAIYA	1	102	0	1.0	0.0	1.0
18	220 kV	MALANPUR-AURAIYA	1	69	0	1.4	0.0	1.4
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	104.0	144.6	-40.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	10.2	-10.2
2	HVDC	RAIGARH-PUGALUR	2	0	2502	0.0	28.2	-28.2
3	765 kV	SOLAPUR-RAICHUR	2	268	1444	0.2	14.0	-13.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2832	0.0	46.4	-46.4
5	400 kV	KOLHAPUR-KUDGI	2	1395	0	23.1	0.0	23.1
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	0	93	1.7	0.0	1.7
					WR-SR	25.0	98.9	-73.9

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	-2.07
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	168	0	59	1.90
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.81
	NER	132kV GELEPHU-SALAKATI	23	13	19	0.45
	NER	132kV MOTANGA-RANGIA	11	-6	2	0.05
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-63	-1.52
	ER	NEPAL IMPORT (FROM BIHAR)	-123	-60	-82	-1.98
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-351	-155	-328	-7.86
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-922	-582	-761	-18.28
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-136	0	-108	-2.60