



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रीड कंट्रोलर ऑफ इंडिया लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 15th February 2023

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 14.02.2023.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14- फ़रवरी-2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 14th February 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 15-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)	47464	60717	46118	21763	2699	178761
Peak Shortage (MW)	4426	393	0	357	0	5176
Energy Met (MU)	1102	1437	1187	440	47	4214
Hydro Gen (MU)	126	71	91	32	9	329
Wind Gen (MU)	3	33	40	-	-	76
Solar Gen (MU)*	124.73	66.99	141.48	2.75	0.91	337
Energy Shortage (MU)	46.58	0.86	0.00	3.15	0.00	50.59
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57750	68295	58883	21926	2739	203727
Time Of Maximum Demand Met (From NLDC SCADA)	12:32	10:27	09:57	18:58	17:49	11:28

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	1.13	4.03	12.48	17.64	65.91	16.46

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	7951	0	144.5	62.9	-0.8	92	5.96
	Haryana	7899	0	141.8	69.3	0.2	207	3.23
	Rajasthan	16300	0	295.3	94.4	0.5	182	25.89
	Delhi	4001	0	66.9	60.5	-2.1	133	0.00
	UP	16372	0	315.3	90.2	0.1	291	10.52
	Uttarakhand	2354	0	40.9	28.8	1.2	168	0.98
	HP	1934	0	33.3	25.8	0.3	187	0.00
	J&K(UT) & Ladakh(UT)	2776	0	60.4	55.7	-1.1	134	0.00
	Chandigarh	240	0	3.7	3.6	0.1	28	0.00
	Chhattisgarh	5182	4	111.2	63.0	0.9	319	0.71
WR	Gujarat	17643	0	387.6	221.3	-1.1	820	0.00
	MP	15684	0	310.0	174.6	0.3	559	0.15
	Maharashtra	27426	0	555.6	167.1	-0.4	612	0.00
	Goa	680	0	14.1	13.4	0.3	74	0.00
	DNHDDPDCL	1246	0	28.6	28.7	-0.1	103	0.00
	AMNSIL	826	0	17.2	10.2	0.4	279	0.00
	BALCO	518	0	12.4	12.4	0.0	12	0.00
	Andhra Pradesh	11710	0	223.1	92.7	-0.6	340	0.00
	Telangana	14248	0	278.7	159.4	-0.6	682	0.00
	Karnataka	14960	0	272.6	94.0	-0.2	876	0.00
SR	Kerala	4061	0	80.2	57.0	-0.1	190	0.00
	Tamil Nadu	15710	0	324.1	180.1	0.4	887	0.00
	Puducherry	396	0	8.7	8.5	-0.6	38	0.00
	Bihar	4922	0	88.0	76.0	-1.0	214	0.41
	DVC	3703	0	75.7	-53.3	0.0	308	0.00
ER	Jharkhand	1541	183	28.3	20.7	-1.4	97	2.74
	Odisha	4683	0	103.7	22.2	-2.2	232	0.00
	West Bengal	7064	0	142.8	15.8	-3.2	204	0.00
	Sikkim	120	0	1.9	1.3	0.6	62	0.00
	Assam	158	0	2.5	2.7	-0.3	37	0.00
NER	Assam	1549	0	26.8	20.1	0.3	142	0.00
	Manipur	219	0	3.0	3.0	0.1	48	0.00
	Meghalaya	372	0	7.0	6.2	-0.1	38	0.00
	Mizoram	127	0	2.0	1.7	-0.2	7	0.00
	Nagaland	146	0	2.1	2.1	-0.1	21	0.00
Tripura	230	0	3.8	2.8	-0.3	15	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.7	-12.1	-20.6
Day Peak (MW)	-256.1	-564.9	-912.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	128.6	-101.6	180.9	-205.5	-2.4	0.0
Actual(MU)	121.3	-80.0	169.3	-212.1	-4.2	-5.8
O/D/U/D(MU)	-7.3	21.6	-11.6	-6.6	-1.8	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7341	16136	5938	1405	847	31667	48
State Sector	11315	14296	6309	2492	146	34557	52
Total	18656	30431	12247	3897	993	66224	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	714	1391	640	698	17	3461	76
Lignite	31	18	64	0	0	113	2
Hydro	126	71	91	32	9	329	7
Nuclear	26	37	76	0	0	139	3
Gas, Naptha & Diesel	12	18	6	0	31	67	1
RES (Wind, Solar, Biomass & Others)	151	102	204	3	1	461	10
Total	1061	1637	1082	733	58	4571	100

Share of RES in total generation (%)	14.27	6.24	18.88	0.38	1.57	10.10
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.63	12.83	34.32	4.68	16.90	20.33

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.055

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: 15-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	PUSALI B/B	-	0	297	0.0	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	0	1106	0.0	22.5	-22.5	
4	765 kV	SASARAM-FAIZHUR	1	0	547	0.0	10.0	-10.0	
5	765 kV	GAYA-BALIA	1	0	682	0.0	18.5	-18.5	
6	400 kV	PUSALI-VARANASI	1	0	192	0.0	3.9	-3.9	
7	400 kV	PUSALI-ALLAHABAD	1	0	187	0.0	3.1	-3.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	771	0.0	10.4	-10.4	
9	400 kV	PATNA-BALIA	2	0	751	0.0	13.7	-13.7	
10	400 kV	NAURATTI-BALIA	2	0	319	0.0	14.7	-14.7	
11	400 kV	BIHARSHARIFE-BALIA	2	8	414	0.0	4.8	-4.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	535	0.0	9.3	-9.3	
13	400 kV	BIHARSHARIFE-VARANASI	2	0	512	0.0	8.4	-8.4	
14	220 kV	SAHUPUR-CHAKRAMANASA	1	1	165	0.0	1.8	-1.8	
15	132 kV	NAGARHAT-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	43	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	120.2	-119.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	772	603	6.8	0.0	6.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	364	983	0.0	10.7	-10.7	
3	765 kV	JHARSUGUDA-DURG	2	0	884	0.0	14.9	-14.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	867	0.0	16.6	-16.6	
5	400 kV	RANCHI-SIPAT	2	6	370	0.0	4.9	-4.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	217	0.0	3.6	-3.6	
7	220 kV	BUDHIPADAR-KORBA	2	8	71	0.0	0.8	-0.8	
						ER-WR	6.8	51.6	-44.8
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	1885	0.0	39.8	-39.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3030	0.0	62.3	-62.3	
4	400 kV	TALCHER-IC	2	415	83	4.0	0.0	4.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	114.4	-114.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	2	197	0	2.8	0.0	2.8	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	693	0	11.2	0.0	11.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	67	0	1.1	0.0	1.1	
						ER-NER	15.0	0.0	15.0
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	1613	0.0	18.8	-18.8	
2	HVDC	VINDHYACHAL B/B	-	248	0	5.8	0.0	5.8	
3	HVDC	MUNDRA-MOHENDERGARH	2	977	0	23.3	0.0	23.3	
4	765 kV	GWALIOR-AGRA	2	138	2113	0.0	19.3	-19.3	
5	765 kV	GWALIOR-PHAGI	2	0	1902	0.0	33.6	-33.6	
6	765 kV	JABALPUR-ORAI	2	0	1061	0.0	26.8	-26.8	
7	765 kV	GWALIOR-ORAI	1	930	0	17.3	0.0	17.3	
8	765 kV	SATNA-ORAI	1	0	987	0.0	17.8	-17.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	2398	0	39.2	0.0	39.2	
10	765 kV	VINDHYACHAL-VARANASI	2	110	1602	0.0	14.8	-14.8	
11	400 kV	ZERDA-KANKROLI	1	359	0	5.2	0.0	5.2	
12	400 kV	ZERDA-BHINMAL	1	556	47	6.8	0.0	6.8	
13	400 kV	VINDHYACHAL-RIHAND	1	484	0	11.1	0.0	11.1	
14	400 kV	RAPP-SHUJALPUR	2	400	514	1.9	1.9	0.0	
15	220 kV	BHANPURA-RANPUR	1	0	169	0.0	2.7	-2.7	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.9	-1.9	
17	220 kV	MEHGAON-AURAIYA	1	125	0	1.3	0.0	1.3	
18	220 kV	MALANPUR-AURAIYA	1	91	0	2.1	0.0	2.1	
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	114.1	137.6	-23.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	18.1	-18.1	
2	HVDC	RAIGARH-PUGALUR	2	0	4009	0.0	40.5	-40.5	
3	765 kV	SOLAPUR-RAICHUR	2	417	1471	0.2	14.3	-14.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	2971	0.0	53.6	-53.6	
5	400 kV	KOLHAPUR-KUDGI	2	1304	0	23.6	0.0	23.6	
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	127	2.1	0.0	2.1	
						WR-SR	25.9	126.6	-100.7

INTERNATIONAL EXCHANGES

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 MANGDECHHU HEP 4*180MW)	0	0	0	-2.01
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*120MW)	181	0	53	1.52
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*90MW)	0	0	0	-2.27
	NER	132KV GELEPHU-SALAKATI	41	0	38	0.91
	NER	132KV MOTANGA-RANGIA	11	-12	5	0.12
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-62	-1.49
	ER	±500KV BHERAMARA HVDC	-791	-618	-753	-18.08
	ER	400KV-GODDA, TPS - RAHANPUR (BANGLADESH)	4	0	1	0.02
	ER	NEPAL IMPORT (FROM BIHAR)	-135	-67	-93	-2.24
	ER	400KV DHAIKKEBAR-MUZAFFARPUR 1&2	-355	-156	-348	-8.36
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-791	-618	-753	-18.08
	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-121	0	-105	-2.52