



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: 7th March 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 06.03.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मार्च -2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 6th March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 07-Mar-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)	49878	53385	48024	22423	2655	176365
Peak Shortage (MW)	0	0	0	256	0	256
Energy Met (MU)	1103	1396	1248	476	47	4270
Hydro Gen (MU)	123	34	73	27	8	264
Wind Gen (MU)	14	52	67	-	-	134
Solar Gen (MU)*	128.25	54.02	126.75	5.57	0.74	315
Energy Shortage (MU)	3.76	2.77	0.00	2.72	0.05	9.30
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55718	68361	61867	23071	2739	207391
Time Of Maximum Demand Met (From NLDC SCADA)	11:29	11:43	10:55	18:37	18:34	11:29

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	0.072	0.00	0.45	4.91	5.36	58.51	36.13

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	7628	0	153.0	41.4	0.5	203	1.04
	Haryana	7517	123	143.1	94.3	1.5	247	1.59
	Rajasthan	14787	0	273.0	69.0	-2.3	284	0.00
	Delhi	3610	0	68.2	60.4	-2.2	154	0.00
	UP	18204	0	337.7	98.6	-2.0	439	0.00
	Uttarakhand	1970	0	37.7	29.2	0.6	130	1.13
	HP	1818	0	32.2	25.3	0.5	117	0.00
	J&K(UT) & Ladakh(UT)	2640	0	55.2	49.6	-1.7	63	0.00
	Chandigarh	200	0	3.3	3.4	-0.1	18	0.00
	Chhattisgarh	5393	0	120.8	65.2	-1.0	421	0.00
WR	Gujarat	18975	0	390.4	214.1	-7.8	774	0.00
	MP	13064	0	252.4	137.7	-5.9	557	2.77
	Maharashtra	28092	0	562.8	176.7	-5.3	674	0.00
	Goa	678	0	13.1	13.2	-0.6	56	0.00
	DNHDDPDCL	1231	0	28.0	28.7	-0.7	79	0.00
	AMNSIL	777	0	16.4	8.9	0.6	313	0.00
	BALCO	521	0	12.4	12.5	-0.1	3	0.00
	Andhra Pradesh	11967	0	229.7	80.7	0.5	595	0.00
	Telangana	14830	0	296.9	162.1	-0.1	1008	0.00
	Karnataka	15305	0	283.6	104.6	-0.3	1283	0.00
SR	Kerala	4216	0	84.9	67.2	-0.1	404	0.00
	Tamil Nadu	16915	0	343.9	201.7	-0.4	795	0.00
	Puducherry	388	0	8.8	8.9	-0.8	14	0.00
	Bihar	5139	0	93.4	82.9	-1.2	245	0.14
	DVC	3479	0	75.9	48.7	0.5	287	0.00
ER	Jharkhand	1480	0	28.0	25.6	-2.6	152	2.58
	Odisha	5293	0	108.9	34.0	-1.5	336	0.00
	West Bengal	7962	0	167.8	30.9	-3.6	199	0.00
	Sikkim	107	0	1.7	1.7	0.7	65	0.00
	Assam	1591	0	26.8	21.6	-0.4	69	0.05
NER	Manipur	197	0	2.8	2.8	0.0	24	0.00
	Meghalaya	361	0	6.2	5.4	-0.2	37	0.00
	Mizoram	123	0	1.7	1.6	-0.2	12	0.00
	Nagaland	148	0	2.2	2.3	-0.2	14	0.00
	Tripura	256	0	4.6	3.5	0.3	39	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-2.2	-8.4	-23.8	0.4
Day Peak (MW)	-222.6	-632.6	-1064.0	35.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	129.6	-130.5	179.8	-180.9	2.0	0.0
Actual(MU)	127.4	-129.8	175.7	-182.9	1.0	-8.7
O/D/U/D(MU)	-2.2	0.7	-4.1	-2.1	-1.0	-8.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8492	15134	4078	1175	825	29704	52
State Sector	9135	11236	4991	2170	162	27693	48
Total	17626	26370	9069	3345	987	57396	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	702	1445	703	709	12	3570	77
Lignite	31	19	58	0	0	108	2
Hydro	123	34	73	27	8	264	6
Nuclear	20	36	76	0	0	133	3
Gas, Naptha & Diesel	11	12	7	0	33	63	1
RES (Wind, Solar, Biomass & Others)	168	107	225	8	1	508	11
Total	1055	1654	1141	744	53	4647	100

Share of RES in total generation (%)	15.93	6.49	19.68	1.03	1.40	10.94
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.47	10.73	32.79	4.67	15.81	19.49

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.046

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

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve)/Export =(-ve) for NET (MU)

Date of Reporting: 07-Mar-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	7.0	-7.0
3	765 kV	GAYA-VARANASI	2	0	770	0.0	12.2	-12.2
4	765 kV	SASARAM-FAZEPUR	1	0	387	0.0	7.1	-7.1
5	765 kV	GAYA-BALIA	1	0	76.4	0.0	13.0	-13.0
6	400 kV	PUSAULI-VARANASI	1	0	196	0.0	3.6	-3.6
7	400 kV	PUSAULI-ALLAHABAD	1	0	185	0.0	3.6	-3.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	644	0.0	9.4	-9.4
9	400 kV	PATNA-BALIA	2	0	586	0.0	11.2	-11.2
10	400 kV	NAUBATTI-R-BALIA	2	0	628	0.0	11.8	-11.8
11	400 kV	BIHARSHARIFE-BALIA	2	0	391	0.0	5.9	-5.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	393	0.0	7.0	-7.0
13	400 kV	BIHARSHARIFE-VARANASI	2	0	306	0.0	5.3	-5.3
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	157	0.0	2.1	-2.1
15	132 kV	NAGARUNTARI-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	44	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
ER-NR						0.5	98.9	-98.4
Import/Export of ER (With WR)								
1	765 kV	JHARSHUGUDA-DHARAMJIAGARH	4	653	162	5.5	0.0	5.5
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	296	601	0.0	4.6	-4.6
3	765 kV	JHARSHUGUDA-DURG	2	0	595	0.0	11.8	-11.8
4	400 kV	JHARSHUGUDA-RAIGARH	4	0	702	0.0	13.5	-13.5
5	400 kV	RANCHI-SIPA	2	0	330	0.0	4.7	-4.7
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	176	0.0	3.4	-3.4
7	220 kV	BUDDHIPADAR-KORBA	2	15	78	0.0	0.7	-0.7
ER-WR						5.5	38.7	-33.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	651	0.0	15.0	-15.0
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1988	0.0	38.7	-38.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	3240	0.0	58.7	-58.7
4	400 kV	TALCHER-I/C	2	650	257	4.6	0.0	4.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	112.4	-112.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAOIN	2	166	32	1.9	0.0	1.8
2	400 kV	ALIPURDUAR-BONGAIGAOIN	2	601	0	7.9	0.0	7.9
3	220 kV	ALIPURDUAR-SALAKATI	2	55	17	0.7	0.0	0.7
ER-NER						10.5	0.0	10.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	485	0	11.6	0.0	11.6
NER-NR						11.6	0.0	11.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	995	0.0	15.5	-15.5
2	HVDC	VINDHYACHAL-B/B	-	137	0	3.6	0.0	3.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	496	0.0	9.5	-9.5
4	765 kV	GWALIOR-AGRA	2	0	2316	0.0	25.5	-25.5
5	765 kV	GWALIOR-PHAGI	2	0	1300	0.0	28.2	-28.2
6	765 kV	JABALPUR-ORAI	2	0	891	0.0	25.1	-25.1
7	765 kV	GWALIOR-ORAI	1	968	0	17.8	0.0	17.8
8	765 kV	SATNA-ORAI	1	0	843	0.0	16.9	-16.9
9	765 kV	BANASKANTHA-CHITORGARH	2	2779	0	43.6	0.0	43.6
10	765 kV	VINDHYACHAL-VARANASI	2	0	1939	0.0	19.0	-19.0
11	400 kV	ZERDA-KANKROLI	1	472	0	7.1	0.0	7.1
12	400 kV	ZERDA-BHINMAL	1	747	0	9.9	0.0	9.9
13	400 kV	VINDHYACHAL-RIHAND	1	472	0	10.5	0.0	10.5
14	400 kV	RAPS-SHILAPUR	2	416	0	2.0	3.4	-1.4
15	220 kV	BHANPURA-BANPUR	1	0	124	0.0	2.0	-2.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8
17	220 kV	MEHGAON-AURAIYA	1	90	0	0.7	0.0	0.7
18	220 kV	MALANPUR-AURAIYA	1	60	16	1.5	0.0	1.5
19	132 kV	GWALIOR-SAWALMADHOPUR	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						96.5	145.9	-49.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI-B/B	-	293	613	2.0	6.4	-4.4
2	HVDC	BAHARH-PUGAUR	2	0	4014	0.0	57.6	-57.6
3	765 kV	KOLHAPUR-KAICHULP	2	548	1563	0.7	15.9	-15.2
4	765 kV	WARDHA-NIZAMABAD	2	0	3361	0.0	60.2	-60.2
5	400 kV	KOLHAPUR-KUDGI	2	1339	0	21.4	0.0	21.4
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	BONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	NELDEMI-AMBEWADI	1	0	123	2.4	0.0	2.4
WR-SR						26.4	140.1	-113.6
INTERNATIONAL EXCHANGES								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)	Import(+ve)/Export(-ve)	
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU IEP 4180MW)	0	0	0	-1.81		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA IEP 6170MW)	158	0	61	1.57		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA IEP 4384MW)	0	0	0	-1.72		
	NER	132kV GELEPHU-SALAKATI	-26	-2	-14	-0.34		
NEPAL	NER	132kV MOTANGA-RANGIA	18	0	5	0.11		
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-62	-1.49		
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-371	0	-163	-3.92		
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-900 35	-745 0	-868 18	-20.83 0.43		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-123	-2.96		