



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: 8th 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, लापालंग, 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 07.03.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 7th March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 08-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)	45306	53168	47532	21307	2642	169955
Peak Shortage (MW)	115	0	0	121	0	236
Energy Met (MU)	1071	1219	1251	463	48	4051
Hydro Gen (MU)	125	28	64	24	10	250
Wind Gen (MU)	23	74	69	-	-	167
Solar Gen (MU)*	115.95	57.10	122.17	5.32	0.98	302
Energy Shortage (MU)	1.80	0.37	0.00	1.21	0.00	3.38
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54691	57096	60400	22085	2723	191169
Time Of Maximum Demand Met (From NLDC SCADA)	11:04	17:03	11:50	18:37	18:10	11:01

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	0.105	1.56	3.29	9.93	14.78	55.95	29.27

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	8788	0	163.0	53.5	-0.7	237	0.46
	Haryana	7459	0	138.4	93.1	-0.6	152	0.00
	Rajasthan	12629	0	236.0	41.4	-4.6	390	0.92
	Delhi	3619	0	65.3	57.9	-2.2	54	0.00
	UP	17044	0	339.5	97.7	-0.8	494	0.00
	Uttarakhand	1949	0	36.5	28.3	0.1	134	0.34
	HP	1771	0	31.4	25.3	-0.4	32	0.01
	J&K(UT) & Ladakh(UT)	2643	0	57.2	50.3	-0.4	152	0.07
	Chandigarh	196	0	3.3	3.4	-0.1	22	0.00
	Chhattisgarh	5256	0	117.2	66.9	-0.1	356	0.24
WR	Gujarat	16380	0	351.9	196.4	0.3	1174	0.00
	MP	10945	0	226.6	116.2	-4.7	544	0.13
	Maharashtra	21020	0	454.0	131.8	-7.3	658	0.00
	Goa	626	0	12.3	12.6	-0.5	57	0.00
	DNHDDPDCL	1175	0	26.9	27.3	-0.4	37	0.00
	AMNSIL	796	0	17.4	11.0	-0.4	220	0.00
	BALCO	519	0	12.4	12.5	-0.1	0	0.00
	Andhra Pradesh	11835	0	231.2	85.5	0.2	446	0.00
	Telangana	14206	0	288.8	172.9	-1.6	830	0.00
	Karnataka	14240	0	280.4	103.5	-1.5	541	0.00
SR	Kerala	4214	0	86.3	70.1	-0.6	160	0.00
	Tamil Nadu	17413	0	354.9	205.7	-2.2	380	0.00
	Puducherry	388	0	8.8	9.1	-1.0	9	0.00
	Bihar	5023	0	91.7	80.7	-0.7	224	0.22
	DVC	3396	0	75.0	50.4	0.2	295	0.00
	Jharkhand	1537	0	29.4	27.4	-3.1	53	0.99
	Odisha	5136	0	111.5	33.5	-1.3	68	0.00
	West Bengal	7145	0	153.3	22.4	-3.9	12	0.00
	Sikkim	103	0	1.7	1.1	0.6	66	0.00
	NER	Arunachal Pradesh	148	0	2.6	2.5	0.0	23
Assam		1533	0	27.2	21.4	0.0	80	0.00
Manipur		190	0	2.7	2.7	0.0	42	0.00
Meghalaya		367	0	6.6	5.5	-0.1	25	0.00
Mizoram		120	0	1.8	1.6	-0.2	19	0.00
Nagaland		146	0	2.9	2.3	-0.2	7	0.00
Tripura		257	0	4.0	3.7	-0.2	35	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-2.7	-7.2	-24.2	0.4
Day Peak (MW)	-294.0	-548.2	-1065.0	25.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	122.8	-165.5	218.1	-177.4	2.0	0.0
Actual(MU)	128.9	-180.8	220.5	-176.8	1.2	-7.1
O/D/U/D(MU)	6.1	-15.4	2.4	0.6	-0.8	-7.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8324	13474	3878	1120	825	27621	48
State Sector	9665	13088	5206	2260	162	30381	52
Total	17989	26562	9084	3380	987	58001	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	677	1286	671	693	10	3337	76
Lignite	28	19	60	0	0	106	2
Hydro	125	28	64	24	10	250	6
Nuclear	22	42	76	0	0	140	3
Gas, Naptha & Diesel	11	8	7	0	32	58	1
RES (Wind, Solar, Biomass & Others)	164	133	221	7	1	526	12
Total	1026	1515	1099	724	53	4417	100

Share of RES in total generation (%)	16.01	8.75	20.10	1.01	1.86	11.91
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.26	13.37	32.87	4.27	20.15	20.74

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.047

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: 08-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	7.1	-7.1	
3	765 kV	GAYA-VARANASI	2	0	818	0.0	14.2	-14.2	
4	765 kV	SASARAM-FAITEHPUR	1	21	348	0.0	5.6	-5.6	
5	765 kV	GAYA-BALIA	1	0	587	0.0	11.3	-11.3	
6	400 kV	PUSAULI-VARANASI	1	0	216	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	161	0.0	3.7	-3.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	555	0.0	8.5	-8.5	
9	400 kV	PATNA-BALIA	2	0	504	0.0	9.6	-9.6	
10	400 kV	NAUBATTI-R-BALIA	2	0	537	0.0	10.0	-10.0	
11	400 kV	BIHARSHARIFE-BALIA	2	0	307	0.0	4.6	-4.6	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	398	0.0	6.5	-6.5	
13	400 kV	BIHARSHARIFE-VARANASI	2	0	297	0.0	4.8	-4.8	
14	220 kV	SAHUPUR-BAKRAMANASA	1	156	0.0	0.0	2.3	-2.3	
15	132 kV	NAGARJUNTA-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	37	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	91.2	-90.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAGARH	4	725	514	4.7	0.0	4.7	
2	765 kV	NEW RANCHI-DHARAMJAGARH	2	420	718	0.0	5.1	-5.1	
3	765 kV	JHARSUGUDA-DURG	2	0	510	0.0	8.9	-8.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	689	0.0	12.3	-12.3	
5	400 kV	RANCHI-SIPA	2	17	314	0.0	4.6	-4.6	
6	220 kV	BUDDHPADAR-RAIGARH	1	0	192	0.0	3.4	-3.4	
7	220 kV	BUDDHPADAR-KORBA	2	27	94	0.0	0.8	-0.8	
						ER-WR	4.7	35.0	-30.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	650	0.0	15.0	-15.0	
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1989	0.0	42.2	-42.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3010	0.0	58.0	-58.0	
4	400 kV	TALCHER-I/C	2	263	742	0.0	0.0	0.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	115.1	-115.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	2	140	2	1.8	0.0	1.8	
2	400 kV	ALIPURDUAR-BONGAIGAOON	1	519	0	7.4	0.0	7.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	48	0	0.7	0.0	0.7	
						ER-NER	9.8	0.0	9.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	483	0	11.4	0.0	11.4	
						NER-NR	11.4	0.0	11.4
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUSHETRA	2	0	1015	0.0	24.3	-24.3	
2	HVDC	VINDHYACHAL-B/B	-	137	0	3.7	0.0	3.7	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	299	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	1582	0.0	24.8	-24.8	
5	765 kV	GWALIOR-PHAGI	2	60	1404	0.0	23.7	-23.7	
6	765 kV	JABALPUR-ORAI	2	0	646	0.0	23.7	-23.7	
7	765 kV	GWALIOR-ORAI	1	815	0	15.8	0.0	15.8	
8	765 kV	SATNA-ORAI	1	0	767	0.0	15.7	-15.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	2359	0	35.8	0.0	35.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1706	0.0	23.8	-23.8	
11	400 kV	ZERDA-KANKROLLI	1	437	0	6.9	0.0	6.9	
12	400 kV	ZERDA-BHINMAL	1	666	0	10.7	0.0	10.7	
13	400 kV	VINDHYACHAL-RIHAND	1	472	0	10.8	0.0	10.8	
14	400 kV	RAPS-SHILAPUR	2	298	389	1.8	2.0	-0.2	
15	220 kV	BHANPURA-RANPUR	1	0	79	0.0	1.3	-1.3	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGAON-AURAIYA	1	98	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	68	0	1.4	0.0	1.4	
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	87.5	146.4	-58.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-B/B	-	0	1016	0.0	19.2	-19.2	
2	HVDC	BAHARH-PUGAUR	2	0	5019	0.0	77.1	-77.1	
3	765 kV	KOLHAPUR-KAICHULP	2	768	2104	0.2	19.3	-19.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	3443	0.0	57.0	-57.0	
5	400 kV	KOLHAPUR-KUDGI	2	1435	0	17.8	0.0	17.8	
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	120	2.3	0.0	2.3	
						WR-SR	20.3	172.5	-152.3
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 HEP 4180MW)		0	0	0	-1.71		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6170MW)		164	0	47	1.12		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4584MW)		0	0	0	-1.90		
	NER	132kV GELEPHU-SALAKATI		-22	0	-15	-0.36		
NEPAL	NER	132kV MOTANGA-RANGIA		20	0	7	0.17		
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)		-75	0	-64	-1.53		
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2		-336	0	-146	-3.51		
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH)		-913	-802	-873	-20.95		
	ER	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C		26	0	18	0.43		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2		-152	0	-134	-3.21		