



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: 26th 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 25.03.2023.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-मार्च -2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रांभांप्रेंकें 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 25th March 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 26-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)	47291	59134	48710	22253	2717	180105
Peak Shortage (MW)	777	0	0	867	0	1644
Energy Met (MU)	936	1368	1230	496	48	4077
Hydro Gen (MU)	112	31	82	32	13	269
Wind Gen (MU)	9	72	29	-	-	110
Solar Gen (MU)*	124.20	67.93	113.37	2.69	0.97	309
Energy Shortage (MU)	2.56	0.00	0.00	3.41	0.00	5.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47940	62947	59953	22852	2752	187600
Time Of Maximum Demand Met (From NLDC SCADA)	19:24	10:55	11:59	19:43	18:25	10:55

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	0.060	0.00	1.78	14.34	16.12	69.80	14.08

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	5947	0	115.9	34.1	-0.1	277	0.46
	Haryana	6031	0	114.1	74.9	0.6	234	0.00
	Rajasthan	11024	0	212.1	56.6	-1.4	253	1.05
	Delhi	3480	0	67.0	65.6	-0.2	199	0.00
	UP	17170	0	296.0	59.4	-3.0	630	0.20
	Uttarakhand	1934	0	37.8	29.8	-0.6	166	0.08
	HP	1733	0	32.9	23.2	-0.5	115	0.01
	J&K(UT) & Ladakh(UT)	2710	0	53.8	48.1	-1.1	216	0.76
	Chandigarh	175	0	3.2	3.3	-0.1	15	0.00
	Railways NR ISTS	157	0	3.3	0.0	3.3	157	0.00
WR	Chhattisgarh	5901	0	114.5	61.6	-0.1	219	0.00
	Gujarat	18038	0	394.0	223.5	3.6	1229	0.00
	MP	11036	0	225.8	103.1	-2.9	405	0.00
	Maharashtra	26912	0	559.8	175.8	-1.6	670	0.00
	Goa	665	0	13.7	13.8	-0.5	24	0.00
	DNHDDPDCL	1248	0	29.2	29.6	-0.4	35	0.00
	AMNSIL	825	0	18.3	11.1	-0.1	279	0.00
	BALCO	516	0	12.3	12.4	-0.1	2	0.00
	Andhra Pradesh	10342	0	211.8	82.2	-0.7	364	0.00
	Telangana	14192	0	277.6	145.9	1.1	869	0.00
SR	Karnataka	15159	0	288.8	129.2	0.4	1385	0.00
	Kerala	4300	0	89.2	69.4	-0.6	133	0.00
	Tamil Nadu	16552	0	352.4	211.5	-1.9	943	0.00
	Puducherry	434	0	9.7	9.4	-0.4	38	0.00
	Bihar	5011	643	95.6	84.1	-0.8	276	1.33
ER	DVC	3509	0	76.1	44.1	-0.7	219	0.00
	Jharkhand	1376	35	29.4	22.0	-1.3	139	2.08
	Odisha	5527	0	118.7	38.7	-0.9	374	0.00
	West Bengal	7998	0	174.5	38.2	-2.4	329	0.00
	Sikkim	98	0	1.6	1.4	0.2	58	0.00
NER	Arunachal Pradesh	155	0	2.6	2.9	-0.4	19	0.00
	Assam	1579	0	27.8	22.4	0.3	130	0.00
	Manipur	199	0	2.8	2.8	0.0	26	0.00
	Meghalaya	378	0	6.9	4.7	0.0	27	0.00
	Mizoram	116	0	1.8	1.6	-0.2	10	0.00
	Nagaland	144	0	2.3	2.3	-0.2	5	0.00
	Tripura	244	0	3.9	3.6	-0.2	21	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-1.9	-9.7	-22.8	-13.6
Day Peak (MW)	-271.0	-317.5	-1080.0	-623.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	44.9	-111.9	210.0	-143.7	0.7	0.0
Actual(MU)	29.9	-103.6	220.7	-152.7	0.0	-5.8
O/D/U/D(MU)	-15.0	8.2	10.7	-9.0	-0.7	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6946	16071	3728	1487	825	29057	49
State Sector	10491	12604	5158	2100	306	30657	51
Total	17437	28674	8886	3587	1131	59714	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	646	1371	684	708	11	3420	72
Lignite	31	18	67	0	0	115	2
Hydro	112	31	82	32	13	269	6
Nuclear	25	31	76	0	0	133	3
Gas, Naptha & Diesel	3	9	6	0	30	49	1
RES (Wind, Solar, Biomass & Others)	418	141	170	3	1	734	16
Total	1234	1602	1085	743	54	4719	100

Share of RES in total generation (%)	33.87	8.82	15.71	0.44	1.78	15.56
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.92	12.75	30.25	4.75	24.95	24.07

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Based on State Max Demands	1.076

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: 26-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	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	0	771	0.0	9.7	-9.7	
4	765 kV	SASARAM-FAITEHPUR	1	0	398	0.0	6.6	-6.6	
5	765 kV	GAYA-BALIA	1	0	611	0.0	7.9	-7.9	
6	400 kV	PUSAULI-VARANASI	1	0	222	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	180	0.0	2.7	-2.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	113	644	0.0	5.2	-5.2	
9	400 kV	PATNA-BALIA	2	0	531	0.0	7.4	-7.4	
10	400 kV	NAIBATTI-R-BALIA	2	0	557	0.0	7.5	-7.5	
11	400 kV	BIHARSHARIFE-BALIA	2	66	276	0.0	1.2	-1.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	473	0.0	5.3	-5.3	
13	400 kV	BIHARSHARIFE-VARANASI	2	56	306	0.0	2.8	-2.8	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	170	0.0	2.6	-2.6	
15	132 kV	NAGAR-UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6	
17	132 kV	KARMANASA-SAHUPURI	1	0	26	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	70.3	-69.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	996	416	8.6	0.0	8.6	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	100	733	0.0	8.3	-8.3	
3	765 kV	JHARSUGUDA-DURG	2	0	1009	0.0	18.5	-18.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	621	0.0	10.6	-10.6	
5	400 kV	RANCHI-SIPAT	2	0	230	0.0	3.0	-3.0	
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	161	0.0	3.0	-3.0	
7	220 kV	BUDDHIPADAR-KORBA	2	42	52	0.0	0.1	-0.1	
						ER-WR	8.6	43.5	-34.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZI-WAKA B/B	2	0	544	0.0	12.9	-12.9	
2	HVDC	TALCHER-KOLAR-BIPPLE	2	0	1991	0.0	39.1	-39.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2868	0.0	54.5	-54.5	
4	400 kV	TALCHER-I/C	2	407	664	1.0	0.0	1.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	106.6	-106.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOIN	2	153	6	2.0	0.0	2.0	
2	400 kV	ALIPURDUAR-BONGAIGAOIN	2	545	0	7.9	0.0	7.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	54	0	0.8	0.0	0.8	
						ER-NER	10.7	0.0	10.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	482	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	1501	0.0	25.3	-25.3	
2	HVDC	VINDHYACHAL-B/B	-	445	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1499	0.0	22.9	-22.9	
4	765 kV	GWALIOR-AGRA	2	283	1744	0.3	13.5	-13.2	
5	765 kV	GWALIOR-PHAGI	2	155	2009	0.0	38.8	-38.7	
6	765 kV	JABALPUR-ORAI	2	142	942	0.0	13.2	-13.2	
7	765 kV	GWALIOR-ORAI	1	954	0	17.0	0.0	17.0	
8	765 kV	SATNA-ORAI	1	0	1018	0.0	17.6	-17.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	2497	0	41.8	0.0	41.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1855	0.0	22.7	-22.7	
11	400 kV	ZERDA-KANKROLL	1	430	0	10.5	0.0	10.5	
12	400 kV	ZERDA-BHINMAL	1	792	0	11.2	0.0	11.2	
13	400 kV	VINDHYACHAL-RIHAND	1	963	0	22.0	0.0	22.0	
14	400 kV	RAPS-SHILAPUR	2	548	458	3.1	2.6	0.6	
15	220 kV	BHANPURA-BANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGAON-AURAIYA	1	115	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	97	0	1.1	0.0	1.1	
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	142.8	124.3	18.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-B/B	-	0	1016	0.0	20.1	-20.1	
2	HVDC	BAHARH-PUGAUR	2	0	5513	0.0	87.1	-87.1	
3	765 kV	KOLHAPUR-KAICHULP	2	281	2199	0.1	16.6	-16.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	3191	0.0	54.5	-54.5	
5	400 kV	KOLHAPUR-KUDGI	2	1309	0	19.7	0.0	19.7	
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	127	2.5	0.0	2.5	
						WR-SR	22.4	180.2	-157.9
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	-138	36	-46	-1.28			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	150	-89	47	1.17			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-77	-63	-94	-2.26			
	NER	132kV GELEPHU-SALAKATI	22	7	14	0.33			
NEPAL	NER	132kV MOTANGA-RANGIA	0	0	0	0.00			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-63	-1.51			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-330	-224	-301	-7.23			
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-930 -624	-765 -544	-826 -565	-19.83 -13.57			
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-150	0	-123	-2.96			