



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन 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: 01st March 2022

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., डोंगतेह, 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 28.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-फ़रवरी-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड 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 28th February 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 01-Mar-2022

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)	49616	57925	46474	20760	2579	177354
Peak Shortage (MW)	250	0	0	194	0	444
Energy Met (MU)	1019	1376	1151	411	45	4003
Hydro Gen (MU)	122	38	96	25	8	288
Wind Gen (MU)	21	75	43	-	-	139
Solar Gen (MU)*	87.76	46.18	125.73	5.28	0.40	265
Energy Shortage (MU)	4.65	0.00	0.00	1.65	0.00	6.30
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51741	64294	57105	20877	2638	191297
Time Of Maximum Demand Met (From NLDC SCADA)	07:37	10:57	10:44	18:39	18:05	10:43

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	0.033	0.00	0.28	4.56	4.84	79.05	16.11

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	6859	0	133.9	42.6	-0.3	141	0.00
	Haryana	6429	0	121.0	67.1	0.7	192	0.00
	Rajasthan	15461	0	274.1	47.4	-1.3	466	0.00
	Delhi	3667	0	63.1	51.0	-0.5	216	0.00
	UP	17004	0	294.1	96.3	-1.3	546	0.00
	Uttarakhand	2109	0	38.4	26.0	0.6	230	0.00
	HP	1914	0	33.3	24.6	-0.2	89	0.00
	J&K(UT) & Ladakh(UT)	2746	250	57.6	51.8	0.3	205	4.65
	Chandigarh	215	0	3.2	3.7	-0.5	9	0.00
	Chhattisgarh	4564	0	104.4	42.0	-0.1	395	0.00
WR	Gujarat	17374	0	376.3	190.7	2.7	841	0.00
	MP	14093	0	287.4	172.7	-2.0	1049	0.00
	Maharashtra	26066	0	552.0	174.2	3.3	930	0.00
	Goa	625	0	12.2	12.0	-0.3	28	0.00
	DD	338	0	7.6	7.2	0.4	68	0.00
	DNH	845	0	19.7	19.8	-0.1	73	0.00
	AMNSIL	772	0	16.5	5.0	-0.7	187	0.00
SR	Andhra Pradesh	10906	0	209.1	83.5	0.3	350	0.00
	Telangana	13094	0	253.6	115.2	0.1	625	0.00
	Karnataka	14421	0	265.1	89.0	0.9	714	0.00
	Kerala	3945	0	82.7	59.3	0.1	401	0.00
	Tamil Nadu	15710	0	333.1	202.4	0.0	744	0.00
	Puducherry	392	0	7.8	8.0	-0.2	60	0.00
	Bihar	4633	0	81.0	69.7	-0.3	272	0.40
ER	DVC	3288	0	71.5	-41.6	-0.6	257	0.00
	Jharkhand	1490	0	28.5	19.0	0.5	149	1.25
	Odisha	5797	0	110.1	46.9	-1.7	347	0.00
	West Bengal	6467	0	118.5	-1.1	-0.6	391	0.00
	Sikkim	120	0	1.8	2.1	-0.2	16	0.00
NER	Arunachal Pradesh	153	0	2.3	2.8	-0.6	79	0.00
	Assam	1443	0	24.8	18.4	-0.3	211	0.00
	Manipur	210	0	3.1	3.0	0.1	75	0.00
	Meghalaya	369	0	6.8	5.9	-0.1	296	0.00
	Mizoram	122	0	1.9	1.8	-0.2	14	0.00
	Nagaland	153	0	2.2	2.1	0.1	29	0.00
	Tripura	229	0	3.9	2.4	-0.1	10	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.3	-11.4	-19.9
Day Peak (MW)	-309.0	-787.1	-846.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	116.3	-137.9	164.9	-146.1	2.7	0.0
Actual(MU)	86.8	-125.0	187.4	-153.9	0.2	-4.5
O/D/U/D(MU)	-29.6	13.0	22.5	-7.8	-2.5	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6950	13025	6662	2231	275	29143	43
State Sector	9674	16349	8008	4090	11	38132	57
Total	16624	29373	14670	6321	286	67275	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	614	1305	564	579	13	3075	75
Lignite	25	12	35	0	0	72	2
Hvdro	122	38	96	25	8	288	7
Nuclear	33	33	69	0	0	135	3
Gas, Naptha & Diesel	15	13	8	0	29	64	2
RES (Wind, Solar, Biomass & Others)	138	122	205	5	0	470	11
Total	948	1523	976	609	50	4105	100
Share of RES in total generation (%)	14.58	8.00	20.97	0.86	0.80	11.46	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.96	12.67	37.86	4.90	16.56	21.77	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.067

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.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

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

Date of Reporting: 01-Mar-2022

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-BB	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	27	756	0.0	10.4	-10.4
4	765 kV	SASARAM-FATEHPUR	1	0	514	0.0	9.3	-9.3
5	765 kV	GAYA-BALIA	1	0	594	0.0	9.4	-9.4
6	400 kV	PUSAULI-VARANASI	1	5	131	0.0	1.5	-1.5
7	400 kV	PUSAULI-ALLAHABAD	1	0	180	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	11	778	0.0	6.7	-6.7
9	400 kV	PATNA-BALIA	4	0	842	0.0	13.8	-13.8
10	400 kV	BIHARSHARIEF-BALIA	2	0	552	0.0	6.0	-6.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	469	0.0	6.2	-6.2
12	400 kV	BIHARSHARIEF-VARANASI	2	0	85	0.0	5.0	-5.0
13	220 kV	SAHUPURI-KARAMANASA	1	0	125	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	71.3	-71.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	607	213	6.0	0.0	6.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	304	844	0.0	6.7	-6.7
3	765 kV	JHARSUGUDA-DURG	2	0	480	0.0	6.9	-6.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	585	0.0	8.8	-8.8
5	400 kV	RANCHI-SIPAT	2	55	267	0.0	2.3	-2.3
6	220 kV	BUDHIPADAR-RAIGARH	1	21	186	0.0	2.9	-2.9
7	220 kV	BUDHIPADAR-KORBA	2	72	22	0.4	0.0	0.4
						ER-WR	6.5	-21.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	496	0.0	9.6	-9.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2181	0.0	46.7	-46.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2971	0.0	59.1	-59.1
4	400 kV	TALCHER-I/C	2	426	978	0.0	4.4	-4.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	1	0.0	0.0	0.0
						ER-SR	0.0	115.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	344	0	3.6	0.0	3.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	449	0	6.4	0.0	6.4
3	220 kV	ALIPURDUAR-SALAKATI	2	81	0	1.1	0.0	1.1
						ER-NER	11.1	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARALI-AGRA	2	471	0	11.7	0.0	11.7
						NER-NR	11.7	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	351	0.0	8.4	-8.4
2	HVDC	VINDHYACHAL-B/B	-	317	9	6.9	0.0	6.9
3	HVDC	MUNDA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	88	1398	0.0	16.2	-16.2
5	765 kV	GWALIOR-PHAGI	2	0	1531	0.0	22.8	-22.8
6	765 kV	JABALPUR-ORAI	2	0	771	0.0	18.3	-18.3
7	765 kV	GWALIOR-ORAI	1	831	0	14.3	0.0	14.3
8	765 kV	SATNA-ORAI	1	0	934	0.0	17.2	-17.2
9	765 kV	BANASKANTHA-CHITORGARH	2	2212	0	33.8	0.0	33.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	2139	0.0	29.1	-29.1
11	400 kV	ZERDA-KANKROLI	1	405	0	6.7	0.0	6.7
12	400 kV	ZERDA-JHINMAL	1	578	0	8.9	0.0	8.9
13	400 kV	VINDHYACHAL-RIHAND	1	476	0	10.8	0.0	10.8
14	400 kV	RAMP-SHILAIIPUR	2	504	232	4.3	0.6	3.7
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	130	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	86	0	2.2	0.0	2.2
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	89.2	118.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	23.7	-23.7
2	HVDC	RAIGARH-PUGALUR	2	0	3006	0.0	43.4	-43.4
3	765 kV	SOLAPUR-RAICHUR	2	933	2047	1.8	20.0	-18.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2999	0.0	48.9	-48.9
5	400 kV	KOLHAPUR-KUDGI	2	1182	0	15.6	0.0	15.6
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	0	111	2.0	0.0	2.0
						WR-SR	19.4	-116.7

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	160	0	30	0.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	0	0	0	0.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0
	NER	132kV GELEPHU-SALAKATI	-17	-4	-10	-0.3
	NER	132kV MOTANGA-RANGIA	-10	0	-3	-0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-68	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-295	0	-103	-2.5
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-415	-1	-304	-7.3
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-732	-686	-724	-17.4
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-114	0	-105	-2.5