



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: 13th 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 12.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-मार्च -2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड 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 12th March 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: 13-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)	50556	58348	47024	21490	2717	180135
Peak Shortage (MW)	320	0	0	248	0	568
Energy Met (MU)	1078	1383	1190	452	48	4151
Hydro Gen (MU)	146	43	109	32	12	342
Wind Gen (MU)	1	42	32	-	-	75
Solar Gen (MU)*	91.20	46.34	107.49	5.46	0.28	251
Energy Shortage (MU)	10.30	0.00	0.00	3.47	0.00	13.77
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52163	63206	56324	21627	2778	189959
Time Of Maximum Demand Met (From NLDC SCADA)	19:27	11:29	14:46	18:24	18:05	11:44

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	0.038	0.00	0.81	9.62	10.43	81.24	8.33

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	7710	0	150.1	52.8	-0.3	197	0.00
	Haryana	7182	0	138.0	80.2	1.2	231	2.20
	Rajasthan	13486	0	266.6	65.4	0.6	424	1.81
	Delhi	3394	0	63.8	55.1	-0.8	139	0.00
	UP	18407	0	334.7	115.7	1.0	352	0.00
	Uttarakhand	1934	0	36.6	21.3	0.8	251	1.48
	HP	1674	0	30.4	20.4	-0.3	220	0.16
	J&K(UT) & Ladakh(UT)	2704	300	54.5	48.0	-0.3	209	4.65
	Chandigarh	178	0	3.1	3.7	-0.6	8	0.00
	Chhattisgarh	4757	0	106.9	54.5	-0.8	460	0.00
WR	Gujarat	18504	0	398.7	224.3	6.0	662	0.00
	MP	12712	0	268.2	144.1	-0.8	611	0.00
	Maharashtra	25474	0	549.4	158.4	-2.6	485	0.00
	Goa	650	0	14.1	12.8	0.8	105	0.00
	DD	356	0	8.1	7.7	0.4	122	0.00
	DNH	880	0	20.4	20.5	-0.1	50	0.00
	AMNSIL	824	0	17.4	10.6	0.1	344	0.00
SR	Andhra Pradesh	10965	0	216.2	95.6	-0.1	500	0.00
	Telangana	12549	0	254.0	120.9	-0.7	747	0.00
	Karnataka	14364	0	279.7	106.3	1.1	886	0.00
	Kerala	4225	0	87.5	60.5	-0.9	187	0.00
	Tamil Nadu	15826	0	343.9	232.3	0.3	639	0.00
	Puducherry	400	0	8.3	8.4	-0.1	27	0.00
	Bihar	4884	0	90.7	84.7	-0.3	297	1.00
ER	DVC	3337	0	73.2	-57.5	-0.9	408	0.49
	Jharkhand	1497	0	30.1	20.5	0.3	159	1.98
	Odisha	5405	0	112.6	39.1	-1.8	349	0.00
	West Bengal	7251	0	143.8	11.3	-1.6	183	0.00
	Sikkim	97	0	1.5	1.6	-0.1	18	0.00
NER	Arunachal Pradesh	143	0	2.4	2.6	-0.3	23	0.00
	Assam	1592	0	28.1	22.7	0.0	78	0.00
	Manipur	206	0	2.7	2.7	0.0	15	0.00
	Meghalaya	358	0	6.5	5.4	0.1	51	0.00
	Mizoram	117	0	1.9	1.5	-0.1	9	0.00
	Nagaland	149	0	2.2	2.3	-0.1	17	0.00
	Tripura	244	0	4.0	2.8	-0.4	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	1.1	-10.7	-20.1
Day Peak (MW)	104.0	-747.3	-866.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	112.1	-154.1	212.6	-172.0	1.5	0.0
Actual(MU)	104.3	-151.1	220.4	-177.3	-4.0	-7.7
O/D/U/D(MU)	-7.8	3.0	7.8	-5.3	-5.5	-7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5811	13470	6822	2131	570	28804	42
State Sector	11699	17259	7823	2350	11	39142	58
Total	17511	30729	14645	4481	581	67946	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	652	1366	587	624	16	3244	76
Lignite	27	16	36	0	0	78	2
Hvdro	146	43	109	32	12	342	8
Nuclear	32	33	70	0	0	135	3
Gas, Naptha & Diesel	10	14	8	0	29	61	1
RES (Wind, Solar, Biomass & Others)	124	90	170	5	0	390	9
Total	991	1561	980	661	56	4250	100
Share of RES in total generation (%)	12.49	5.75	17.40	0.82	0.50	9.17	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.46	10.65	35.66	5.70	21.13	20.40	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.032
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.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

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

Date of Reporting: 13-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 B/B	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	745	0.0	12.9	-12.9	
4	765 kV	SASARAM-FATEHPUR	1	0	526	0.0	10.6	-10.6	
5	765 kV	GAYA-BALIA	1	0	524	0.0	8.4	-8.4	
6	400 kV	PUSAULI-VARANASI	1	0	101	0.0	1.7	-1.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	180	0.0	2.6	-2.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	732	0.0	10.6	-10.6	
9	400 kV	PATNA-BALIA	4	0	887	0.0	17.2	-17.2	
10	400 kV	BIHARSHARIFF-BALIA	2	0	602	0.0	8.1	-8.1	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	373	0.0	5.6	-5.6	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	368	0.0	5.9	-5.9	
13	220 kV	SAHUPURI-KAMANASA	1	0	155	0.0	1.7	-1.7	
14	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
16	132 kV	KAMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KAMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	85.3	-84.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	699	274	4.3	0.0	4.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	173	820	0.0	9.9	-9.9	
3	765 kV	JHARSUGUDA-DURG	2	0	586	0.0	10.7	-10.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	543	0.0	9.7	-9.7	
5	400 kV	RANCHI-SIPAT	2	0	271	0.0	3.9	-3.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	190	0.0	3.3	-3.3	
7	220 kV	BUDHIPADAR-KORBA	2	25	76	0.0	0.6	-0.6	
						ER-WR	4.3	38.1	-33.8
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	709	0.0	16.4	-16.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1990	0.0	48.1	-48.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2853	0.0	54.9	-54.9	
4	400 kV	TALCHER-I/C	2	0	161	0.0	2.6	-2.6	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	119.3	-119.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	339	0	5.0	0.0	5.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	488	0	8.2	0.0	8.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	80	0	2.0	0.0	2.0	
						ER-NER	15.2	0.0	15.2
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	488	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	356	0.0	8.6	-8.6	
2	HVDC	VINDHYACHAL B/B	-	316	0	8.5	0.0	8.5	
3	HVDC	MUNDRAMOHINDERGARH	2	0	753	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	0	1698	0.0	22.2	-22.2	
5	765 kV	GWALIOR-PHAGI	2	0	1677	0.0	27.7	-27.7	
6	765 kV	JABALPUR-ORAI	2	0	904	0.0	22.5	-22.5	
7	765 kV	GWALIOR-ORAI	1	827	0	15.8	0.0	15.8	
8	765 kV	SATNA-ORAI	1	0	996	0.0	19.1	-19.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	2181	0	39.8	0.0	39.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2354	0.0	33.7	-33.7	
11	400 kV	ZERDA-KANKROLI	1	473	0	8.1	0.0	8.1	
12	400 kV	ZERDA - BHNMAL	1	730	0	9.8	0.0	9.8	
13	400 kV	VINDHYACHAL -RIHAND	1	978	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHUALPUR	2	370	302	2.3	1.2	1.1	
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	118	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	72	0	2.0	0.0	2.0	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	109.3	141.2	-31.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	24.0	-24.0	
2	HVDC	RAIGARH-PUGALUR	2	0	5521	0.0	97.1	-97.1	
3	765 kV	SOLAPUR-RAICHUR	2	611	1598	0.8	16.2	-15.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	2458	0.0	41.0	-41.0	
5	400 kV	KOLHAPUR-KUDGI	2	1386	0	22.2	0.0	22.2	
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	119	2.4	0.0	2.4	
						WR-SR	25.3	178.2	-152.9

INTERNATIONAL EXCHANGES			Import(+ve)/Export(-ve) Energy Exchange (MU)			
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)	191	0	113	2.7
	ER	400kV TALA-BINAGURI 1,2,3 (& 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	15	2	12	0.3
	NER	132kV MOTANGA-RANGIA	-18	0	-8	-0.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-54	-1.3
	ER	NEPAL IMPORT (FROM BIHAR)	-318	-48	-196	-4.7
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-353	0	-194	-4.6
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-736	-731	-734	-17.6
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-130	0	-103	-2.5