National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 12th 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., डोंगतिएह, 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 11.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-मार्च -2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 11th 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:** **12-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)	50671	58698	47301	21042	2702	180414
Peak Shortage (MW)	541	0	0	591	0	1132
Energy Met (MU)	1080	1394	1206	446	48	4174
Hydro Gen (MU)	141	45	111	31	11	340
Wind Gen (MU)	5	55	38	-	-	98
Solar Gen (MU)*	92.10	44.63	108.67	5.21	0.46	251
Energy Shortage (MU)	9.45	0.00	0.00	3.86	0.00	13.31
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52965	63426	58068	21791	2801	194603
Time Of Maximum Demand Met (From NLDC SCADA)	11:57	10:56	11:44	18:30	18:06	11:42

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	0.050	0.20	1.46	10.84	12.50	77.49	10.01

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	7545	0	152.6	51.6	-0.2	151	0.00
	Haryana	7597	0	141.3	81.2	0.8	160	0.00
	Rajasthan	13176	0	261.3	57.3	2.8	579	3.74
	Delhi	3660	0	67.0	58.5	-0.8	188	0.00
	UP	18318	0	331.2	103.8	0.2	496	0.00
	Uttarakhand	2057	0	37.5	23.2	-0.1	182	1.06
	HP	1782	0	31.0	21.0	-0.3	260	0.00
	J&K(UT) & Ladakh(UT)	2613	300	55.2	49.0	-0.6	242	4.65
	Chandigarh	191	0	3.1	3.8	-0.6	3	0.00
WR	Chhattisgarh	4704	0	110.4	50.2	-0.6	489	0.00
	Gujarat	18591	0	402.2	223.9	4.9	941	0.00
	MP	12718	0	264.7	143.8	-1.8	588	0.00
	Maharashtra	26010	0	556.7	164.4	-4.0	539	0.00
	Goa	662	0	14.6	13.4	0.7	138	0.00
	DD	358	0	8.0	7.8	0.2	128	0.00
	DNH	874	0	20.7	20.4	0.3	44	0.00
	AMNSIL	741	0	16.6	9.3	0.9	305	0.00
SR	Andhra Pradesh	11454	0	222.3	97.5	-0.5	439	0.00
	Telangana	13178	0	260.0	123.7	-0.6	584	0.00
	Karnataka	14541	0	284.6	103.8	0.9	1031	0.00
	Kerala	4270	0	87.3	57.9	-0.5	155	0.00
	Tamil Nadu	15738	0	343.2	228.5	2.1	689	0.00
	Puducherry	407	0	8.5	8.6	-0.2	32	0.00
ER	Bihar	4953	533	89.0	82.2	0.4	346	1.99
	DVC	3344	0	72.5	-58.4	-0.9	163	0.00
	Jharkhand	1469	232	29.0	22.4	-0.3	163	1.87
	Odisha	5432	0	111.1	38.8	-2.5	293	0.00
	West Bengal	7249	0	142.6	8.4	-0.8	366	0.00
	Sikkim	108	0	1.7	1.7	0.0	21	0.00
NER	Arunachal Pradesh	141	0	2.3	2.6	-0.4	15	0.00
	Assam	1615	0	28.3	24.4	-0.3	91	0.00
	Manipur	205	0	2.8	2.7	0.1	20	0.00
	Meghalaya	355	0	6.6	5.6	0.0	64	0.00
	Mizoram	110	0	1.9	1.5	-0.1	5	0.00
	Nagaland	148	0	2.6	2.3	0.2	12	0.00
	Tripura	245	0	3.9	3.0	-0.7	13	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-0.4	-12.0	-20.0
Day Peak (MW)	-17.0	-691.4	-850.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	109.5	-144.3	209.4	-177.9	3.3	0.0
Actual(MU)	95.5	-134.0	218.9	-183.8	-2.6	-5.9
O/D/U/D(MU)	-14.0	10.3	9.6	-5.9	-5.9	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5901	13740	6112	2131	570	28454	43
State Sector	10374	16984	7403	2350	11	37122	57
Total	16276	30723	13515	4481	581	65576	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	671	1349	591	629	17	3257	76
Lignite	25	15	38	0	0	78	2
Hydro	141	45	111	31	11	340	8
Nuclear	28	33	70	0	0	131	3
Gas, Naptha & Diesel	11	12	9	0	28	60	1
RES (Wind, Solar, Biomass & Others)	128	100	179	5	0	414	10
Total	1005	1555	999	665	56	4279	100

Share of RES in total generation (%)	12.78	6.46	17.96	0.79	0.82	9.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.64	11.48	36.13	5.49	20.63	20.69

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.061

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: 12-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	695	0.0	12.1	-12.1
4	765 kV	SASARAM-FATEHPUR	1	0	484	0.0	10.5	-10.5
5	765 kV	GAYA-BALIA	1	0	532	0.0	8.9	-8.9
6	400 kV	PUSAULI-VARANASI	1	0	103	0.0	1.7	-1.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	175	0.0	2.4	-2.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	701	0.0	9.1	-9.1
9	400 kV	PATNA-BALIA	4	0	930	0.0	18.0	-18.0
10	400 kV	BIHARSHARIFF-BALIA	2	0	558	0.0	7.3	-7.3
11	400 kV	MOTIHARI-GORAKHPUR	2	0	386	0.0	5.6	-5.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	345	0.0	5.5	-5.5
13	220 kV	SAHUPURI-KARAMNASA	1	0	179	0.0	2.3	-2.3
14	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	83.4	-82.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	704	615	4.3	0.0	4.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	166	929	0.0	13.5	-13.5
3	765 kV	JHARSUGUDA-DURG	2	0	617	0.0	11.1	-11.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	561	0.0	9.3	-9.3
5	400 kV	RANCHI-SIPAT	2	0	299	0.0	4.3	-4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	186	0.0	3.3	-3.3
7	220 kV	BUDHIPADAR-KORBA	2	43	66	0.0	0.3	-0.3
					ER-WR	4.3	41.8	-37.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	710	0.0	16.2	-16.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2490	0.0	50.0	-50.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2855	0.0	51.7	-51.7
4	400 kV	TALCHER-I/C	2	419	649	0.0	4.4	-4.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	117.8	-117.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	311	0	3.3	0.0	3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	380	0	4.9	0.0	4.9
3	220 kV	ALIPURDUAR-SALAKATI	2	66	5	0.8	0.0	0.8
					ER-NER	9.0	0.0	9.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	390	0	7.0	0.0	7.0
					NER-NR	7.0	0.0	7.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	355	0.0	8.3	-8.3
2	HVDC	VINDHYACHAL B/B	-	316	0	8.5	0.0	8.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	253	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1633	0.0	17.6	-17.6
5	765 kV	GWALIOR-PHAGI	2	0	1580	0.0	26.0	-26.0
6	765 kV	JABALPUR-ORAI	2	0	887	0.0	20.4	-20.4
7	765 kV	GWALIOR-ORAI	1	792	0	14.0	0.0	14.0
8	765 kV	SATNA-ORAI	1	0	1001	0.0	19.1	-19.1
9	765 kV	BANASKANTHA-CHITORGARH	2	2138	0	39.5	0.0	39.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	2211	0.0	31.7	-31.7
11	400 kV	ZERDA-KANKROLI	1	479	0	8.6	0.0	8.6
12	400 kV	ZERDA -BHINMAL	1	692	0	10.3	0.0	10.3
13	400 kV	VINDHYACHAL -RIHAND	1	991	0	22.8	0.0	22.8
14	400 kV	RAPP-SHUJALPUR	2	416	328	3.2	1.1	2.0
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	124	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	77	0	2.1	0.0	2.1
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	110.2	130.5	-20.3
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	6034	0.0	99.2	-99.2
3	765 kV	SOLAPUR-RAICHUR	2	883	1637	2.2	13.2	-11.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2858	0.0	42.3	-42.3
5	400 kV	KOLHAPUR-KUDGI	2	1422	0	23.7	0.0	23.7
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	1	120	1.9	0.0	1.9
					WR-SR	27.7	178.6	-150.9

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

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 MANGDECHU HEP 4*180MW)	245	0	108	2.6
	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	5	0.1
	NER	132kV MOTANGA-RANGIA	-14	-3	-8	-0.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-72	0	-57	-1.4
	ER	NEPAL IMPORT (FROM BIHAR)	-273	-48	-175	-4.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-346	0	-266	-6.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-735	-731	-732	-17.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-115	0	-102	-2.4