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: 27th 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 26.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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:** **27-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)	49981	59090	47677	23539	2508	182795
Peak Shortage (MW)	1420	130	0	473	0	2023
Energy Met (MU)	1085	1444	1192	506	44	4270
Hydro Gen (MU)	146	53	102	58	12	370
Wind Gen (MU)	5	38	22	-	-	65
Solar Gen (MU)*	98.18	45.76	99.14	4.82	0.37	248
Energy Shortage (MU)	25.62	3.14	0.20	8.13	0.00	37.09
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53031	63959	58832	23962	2545	192853
Time Of Maximum Demand Met (From NLDC SCADA)	19:24	11:15	12:49	19:42	18:35	10:54

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	0.096	1.31	5.01	14.69	21.00	69.15	9.85

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	7087	0	126.0	53.1	-1.9	78	1.60
	Haryana	6659	0	139.7	96.6	0.0	229	2.38
	Rajasthan	12724	17	250.8	73.3	-0.3	290	14.97
	Delhi	4004	0	84.9	65.8	3.8	404	0.03
	UP	19359	430	359.8	143.6	-2.5	1470	0.00
	Uttarakhand	1902	0	37.2	24.1	0.8	143	1.99
	HP	1564	0	30.6	15.2	-0.4	221	0.00
	J&K(UT) & Ladakh(UT)	2497	250	52.0	33.7	7.1	558	4.65
	Chandigarh	195	0	3.8	4.0	-0.2	15	0.00
WR	Chhattisgarh	4933	0	114.9	63.9	-0.3	301	0.00
	Gujarat	18859	0	416.0	216.7	2.9	701	0.00
	MP	12209	0	255.1	138.6	-3.1	422	0.00
	Maharashtra	27590	0	601.6	184.4	-1.1	995	0.00
	Goa	655	0	13.4	11.9	1.3	121	1.06
	DD	356	0	7.9	7.3	0.6	79	0.00
	DNH	797	80	18.1	17.9	0.2	235	2.08
	AMNSIL	773	0	17.0	10.3	0.0	223	0.00
SR	Andhra Pradesh	11845	0	227.8	102.3	1.7	493	0.20
	Telangana	13742	0	248.4	118.5	-0.8	733	0.00
	Karnataka	13137	0	257.3	75.1	-1.8	483	0.00
	Kerala	4204	0	86.3	53.3	-0.7	163	0.00
	Tamil Nadu	16257	0	362.8	243.2	-0.2	583	0.00
	Puducherry	418	0	9.2	9.5	-0.4	18	0.00
ER	Bihar	5620	0	106.5	100.7	0.2	358	1.19
	DVC	3668	0	77.5	-46.7	1.2	397	0.00
	Jharkhand	1397	0	29.6	23.8	0.9	290	6.95
	Odisha	5179	0	113.1	50.1	-2.1	183	0.00
	West Bengal	8745	0	177.4	37.4	0.3	296	0.00
	Sikkim	103	0	1.6	1.7	-0.1	40	0.00
NER	Arunachal Pradesh	126	0	2.2	2.6	-0.5	5	0.00
	Assam	1455	0	24.9	19.9	-0.3	99	0.00
	Manipur	184	0	2.3	2.4	-0.2	34	0.00
	Meghalaya	340	0	5.5	4.0	-0.3	34	0.00
	Mizoram	115	0	1.8	1.4	-0.1	7	0.00
	Nagaland	133	0	2.3	1.9	0.3	10	0.00
	Tripura	259	0	4.6	2.9	-0.2	37	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.9	-8.7	-19.7
Day Peak (MW)	579.0	-682.0	-847.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	135.1	-190.1	180.1	-121.9	-3.2	0.0
Actual(MU)	117.3	-179.1	176.2	-116.0	-5.8	-7.4
O/D/U/D(MU)	-17.8	11.0	-3.9	5.9	-2.6	-7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3820	10678	6878	1576	520	23471	42
State Sector	10489	13701	5712	2308	11	32220	58
Total	14309	24378	12590	3884	531	55692	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	625	1447	674	591	13	3351	77
Lignite	19	9	43	0	0	72	2
Hydro	146	53	102	58	12	370	8
Nuclear	32	33	47	0	0	112	3
Gas, Naptha & Diesel	24	20	9	0	29	82	2
RES (Wind, Solar, Biomass & Others)	135	85	156	5	0	381	9
Total	981	1648	1032	653	54	4368	100

Share of RES in total generation (%)	13.74	5.14	15.12	0.74	0.68	8.71
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.81	10.37	29.58	9.57	21.99	19.75

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.049
Based on State Max Demands	1.084

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: 27-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	13	501	0.0	4.5	-4.5
4	765 kV	SASARAM-FATEHPUR	1	0	307	0.0	5.4	-5.4
5	765 kV	GAYA-BALIA	1	0	683	0.0	10.8	-10.8
6	400 kV	PUSAULI-VARANASI	1	64	13	0.6	0.0	0.6
7	400 kV	PUSAULI -ALLAHABAD	1	22	65	0.2	0.0	0.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	164	465	0.0	4.7	-4.7
9	400 kV	PATNA-BALIA	2	0	677	0.0	13.8	-13.8
10	400 kV	NAUBATPUR-BALIA	2	0	754	0.0	14.3	-14.3
11	400 kV	BIHARSHARIFF-BALIA	2	32	307	0.0	2.9	-2.9
12	400 kV	MOTIHARI-GORAKHPUR	2	258	0	3.1	0.0	3.1
13	400 kV	BIHARSHARIFF-VARANASI	2	0	212	0.0	2.8	-2.8
14	220 kV	SAHUPURI-KARAMNASA	1	0	143	0.0	1.9	-1.9
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	4.4	61.0	-56.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	650	0	11.0	0.0	11.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1073	144	10.5	0.0	10.5
3	765 kV	JHARSUGUDA-DURG	2	112	301	0.0	1.7	-1.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	357	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	215	102	2.0	0.0	2.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	139	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	58	48	0.2	0.0	0.2
					ER-WR	23.8	10.2	13.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	707	0.0	16.2	-16.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	42.5	-42.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2852	0.0	56.3	-56.3
4	400 kV	TALCHER-I/C	2	428	178	2.6	0.0	2.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	115.0	-115.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	141	136	0.2	1.2	-1.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	192	228	0.0	1.6	-1.6
3	220 kV	ALIPURDUAR-SALAKATI	2	36	46	0.0	0.2	-0.2
					ER-NER	0.2	3.0	-2.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	353	0.0	8.5	-8.5
					NER-NR	0.0	8.5	-8.5
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	445	0	0.0	12.2	-12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1714	0.0	24.5	-24.5
5	765 kV	GWALIOR-PHAGI	2	0	1502	0.0	23.3	-23.3
6	765 kV	JABALPUR-ORAI	2	27	867	0.0	24.6	-24.6
7	765 kV	GWALIOR-ORAI	1	643	0	11.8	0.0	11.8
8	765 kV	SATNA-ORAI	1	0	994	0.0	20.3	-20.3
9	765 kV	BANASKANTHA-CHITORGARH	2	1757	0	29.3	0.0	29.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2799	0.0	52.9	-52.9
11	400 kV	ZERDA-KANKROLI	1	435	0	6.8	0.0	6.8
12	400 kV	ZERDA -BHINMAL	1	649	0	8.3	0.0	8.3
13	400 kV	VINDHYACHAL -RIHAND	1	973	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	473	211	1.6	0.0	1.6
15	220 kV	BHANPURA-RANPUR	1	34	0	1.1	0.1	1.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	124	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	79	0	1.8	0.0	1.8
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	83.7	164.0	-80.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	20.0	-20.0
2	HVDC	RAIGARH-PUGALUR	2	0	4014	0.0	54.1	-54.1
3	765 kV	SOLAPUR-RAICHUR	2	0	1681	0.0	19.1	-19.1
4	765 kV	WARDHA-NIZAMABAD	2	0	2759	0.0	43.0	-43.0
5	400 kV	KOLHAPUR-KUDGI	2	1366	0	24.8	0.0	24.8
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	126	2.6	0.0	2.6
					WR-SR	27.4	136.3	-108.9

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)	195	0	123	3.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	331	291	292	7.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	71	0	50	1.2
	NER	132kV GELEPHU-SALAKATI	6	0	-1	0.0
	NER	132kV MOTANGA-RANGIA	21	4	-10	-0.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-67	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-319	-22	-154	-3.7
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-284	0	-142	-3.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-738	0	-731	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-109	0	-92	-2.2