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: 26th 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 25.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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:** **26-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)	49376	58992	47759	24116	2285	182528
Peak Shortage (MW)	3356	50	0	654	0	4060
Energy Met (MU)	1125	1444	1186	513	44	4311
Hydro Gen (MU)	160	62	109	54	9	394
Wind Gen (MU)	4	42	28	-	-	73
Solar Gen (MU)*	92.63	41.24	98.05	4.84	0.30	237
Energy Shortage (MU)	60.97	0.33	1.60	5.96	0.00	68.86
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52923	63479	57720	24449	2356	194046
Time Of Maximum Demand Met (From NLDC SCADA)	19:41	11:15	12:32	19:48	19:35	11:06

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	0.186	3.69	10.92	28.95	43.57	52.54	3.89

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	7392	0	158.3	51.2	-2.3	98	2.40
	Haryana	7092	175	132.4	83.9	3.4	513	17.86
	Rajasthan	11202	1129	231.5	64.1	2.7	450	33.93
	Delhi	4004	0	85.0	71.0	-1.4	91	0.00
	UP	19578	260	389.8	170.2	0.8	580	0.00
	Uttarakhand	2015	0	38.5	24.4	0.9	200	2.13
	HP	1745	0	32.4	15.6	0.9	434	0.00
	J&K(UT) & Ladakh(UT)	2495	250	53.5	39.8	3.6	434	4.65
	Chandigarh	202	0	3.9	4.0	-0.1	36	0.00
WR	Chhattisgarh	4887	0	116.6	62.0	-1.3	188	0.00
	Gujarat	18875	0	409.6	201.9	5.4	756	0.00
	MP	12402	0	259.1	139.1	-1.2	443	0.00
	Maharashtra	27731	0	601.7	176.2	-2.4	740	0.00
	Goa	639	0	14.1	10.6	3.1	104	0.33
	DD	357	0	7.9	7.1	0.8	121	0.00
	DNH	860	0	18.6	18.2	0.4	156	0.00
	AMNSIL	729	0	16.1	9.5	0.0	218	0.00
SR	Andhra Pradesh	11676	0	223.1	95.9	1.9	700	1.60
	Telangana	13343	0	254.9	121.8	-1.3	533	0.00
	Karnataka	13260	0	255.7	79.3	-2.2	718	0.00
	Kerala	4131	0	84.7	51.7	-1.6	186	0.00
	Tamil Nadu	16267	0	358.6	232.3	-0.2	726	0.00
	Puducherry	422	0	9.1	9.8	-0.7	41	0.00
ER	Bihar	5833	0	114.5	106.3	1.3	314	0.66
	DVC	3571	0	76.3	-53.3	1.5	471	0.82
	Jharkhand	1427	0	28.6	23.6	0.0	222	4.48
	Odisha	5584	0	115.4	42.8	-0.8	404	0.00
	West Bengal	8773	0	176.4	42.3	-1.4	369	0.00
	Sikkim	111	0	1.7	1.8	-0.2	53	0.00
NER	Arunachal Pradesh	127	0	2.4	2.4	-0.2	25	0.00
	Assam	1348	0	25.9	21.3	-0.5	88	0.00
	Manipur	193	0	2.2	2.3	0.0	30	0.00
	Meghalaya	336	0	5.9	5.3	-0.2	29	0.00
	Mizoram	110	0	1.5	1.4	-0.1	4	0.00
	Nagaland	141	0	2.6	2.2	0.3	17	0.00
	Tripura	266	0	3.2	3.1	-0.9	30	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.0	-10.6	-19.7
Day Peak (MW)	511.0	-789.0	-834.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.6	-200.8	175.9	-122.6	0.0	0.0
Actual(MU)	144.1	-195.0	169.2	-121.8	-2.7	-6.2
O/D/U/D(MU)	-3.5	5.8	-6.6	0.8	-2.7	-6.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4420	11598	6512	1831	520	24880	42
State Sector	12824	13593	4843	2568	11	33838	58
Total	17244	25190	11355	4399	531	58719	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	636	1456	671	608	13	3384	77
Lignite	19	9	36	0	0	65	1
Hydro	160	62	109	54	9	394	9
Nuclear	32	33	51	0	0	116	3
Gas, Naptha & Diesel	20	19	8	0	28	76	2
RES (Wind, Solar, Biomass & Others)	129	84	160	5	0	378	9
Total	996	1663	1036	667	51	4413	100

Share of RES in total generation (%)	12.98	5.04	15.42	0.72	0.59	8.57
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.23	10.74	30.91	8.79	18.62	20.12

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.078

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: 26-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	78	464	0.0	4.5	-4.5
4	765 kV	SASARAM-FATEHPUR	1	0	346	0.0	6.3	-6.3
5	765 kV	GAYA-BALIA	1	0	453	0.0	9.2	-9.2
6	400 kV	PUSAULI-VARANASI	1	50	31	0.6	0.0	0.6
7	400 kV	PUSAULI -ALLAHABAD	1	27	89	0.0	0.6	-0.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	26	555	0.0	6.5	-6.5
9	400 kV	PATNA-BALIA	2	0	692	0.0	14.4	-14.4
10	400 kV	NAUBATPUR-BALIA	2	0	774	0.0	15.9	-15.9
11	400 kV	BIHARSHARIFF-BALIA	2	49	322	0.0	2.5	-2.5
12	400 kV	MOTIHARI-GORAKHPUR	2	253	44	3.2	0.0	3.2
13	400 kV	BIHARSHARIFF-VARANASI	2	26	242	0.0	3.0	-3.0
14	220 kV	SAHUPURI-KARAMNASA	1	26	136	0.0	0.0	0.0
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
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	4.1	62.9	-58.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	640	308	2.3	0.0	2.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1094	138	15.0	0.0	15.0
3	765 kV	JHARSUGUDA-DURG	2	122	294	0.0	2.4	-2.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	451	0.0	6.7	-6.7
5	400 kV	RANCHI-SIPAT	2	217	89	2.1	0.0	2.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	134	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	67	32	0.5	0.0	0.5
					ER-WR	19.9	11.2	8.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	713	0.0	16.2	-16.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	44.8	-44.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	3101	0.0	50.1	-50.1
4	400 kV	TALCHER-I/C	2	265	154	0.4	0.0	0.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	111.1	-111.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	93	192	0.0	2.0	-2.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	116	316	0.0	3.0	-3.0
3	220 kV	ALIPURDUAR-SALAKATI	2	24	58	0.0	0.5	-0.5
					ER-NER	0.0	5.5	-5.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	353	0.0	8.4	-8.4
					NER-NR	0.0	8.4	-8.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	488	0	11.4	0.0	11.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	251	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1756	0.0	29.2	-29.2
5	765 kV	GWALIOR-PHAGI	2	0	1622	0.0	22.7	-22.7
6	765 kV	JABALPUR-ORAI	2	0	849	0.0	29.8	-29.8
7	765 kV	GWALIOR-ORAI	1	585	0	10.8	0.0	10.8
8	765 kV	SATNA-ORAI	1	0	1024	0.0	21.5	-21.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1594	0	24.5	0.0	24.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	2757	0.0	55.0	-55.0
11	400 kV	ZERDA-KANKROLI	1	362	0	5.6	0.0	5.6
12	400 kV	ZERDA -BHINMAL	1	585	0	6.6	0.0	6.6
13	400 kV	VINDHYACHAL -RIHAND	1	984	0	22.5	0.0	22.5
14	400 kV	RAPP-SHUJALPUR	2	318	247	2.1	1.8	0.3
15	220 kV	BHANPURA-RANPUR	1	79	52	0.8	0.2	0.6
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	112	0	0.6	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	71	3	1.4	0.0	1.4
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	86.4	166.3	-79.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	22.3	-22.3
2	HVDC	RAIGARH-PUGALUR	2	0	4016	0.0	65.4	-65.4
3	765 kV	SOLAPUR-RAICHUR	2	432	1985	0.4	11.6	-11.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2839	0.0	36.4	-36.4
5	400 kV	KOLHAPUR-KUDGI	2	1465	0	26.5	0.0	26.5
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	127	2.6	0.0	2.6
					WR-SR	29.5	135.6	-106.1

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)	148	0	122	2.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	266	209	223	5.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	87	30	43	1.0
	NER	132kV GELEPHU-SALAKATI	-8	0	-2	0.0
	NER	132kV MOTANGA-RANGIA	-24	-1	-13	-0.3
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-69	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-351	-20	-167	-4.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-362	-56	-205	-4.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-730	-630	-727	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-104	0	-93	-2.2