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: 06th 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 05.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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:** **06-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)	49960	58580	47277	19911	2542	178270
Peak Shortage (MW)	330	0	0	340	0	670
Energy Met (MU)	1043	1384	1172	426	46	4072
Hydro Gen (MU)	132	51	104	28	9	324
Wind Gen (MU)	12	66	45	-	-	123
Solar Gen (MU)*	91.45	48.05	119.24	5.19	0.44	264
Energy Shortage (MU)	4.96	0.00	0.00	3.32	0.00	8.28
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51751	63067	56916	20761	2655	190152
Time Of Maximum Demand Met (From NLDC SCADA)	19:12	11:45	09:55	18:42	18:21	10:41

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	0.027	0.00	0.22	4.95	5.17	84.92	9.91

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	7066	0	140.6	42.1	0.0	106	0.00
	Haryana	7174	0	133.1	77.4	0.8	190	0.00
	Rajasthan	15090	0	270.2	47.3	-0.9	460	0.00
	Delhi	3428	0	60.4	51.0	-0.8	338	0.02
	UP	17572	0	307.4	97.6	-0.3	376	0.00
	Uttarakhand	2025	0	38.2	24.8	0.9	155	0.29
	HP	1844	0	32.6	24.0	0.0	218	0.00
	J&K(UT) & Ladakh(UT)	2795	300	57.5	51.3	0.1	225	4.65
	Chandigarh	192	0	3.1	3.6	-0.5	17	0.00
WR	Chhattisgarh	4636	0	106.5	44.5	-0.8	562	0.00
	Gujarat	17345	0	381.5	202.6	2.9	700	0.00
	MP	13616	0	282.1	152.7	-0.1	646	0.00
	Maharashtra	25873	0	557.9	171.5	0.0	743	0.00
	Goa	624	0	12.8	12.3	0.1	44	0.00
	DD	352	0	7.8	7.2	0.6	121	0.00
	DNH	864	0	20.1	19.9	0.2	105	0.00
	AMNSIL	726	0	15.6	5.3	-0.5	188	0.00
SR	Andhra Pradesh	11093	0	213.4	90.8	1.6	623	0.00
	Telangana	12839	0	261.6	125.2	-1.7	449	0.00
	Karnataka	14292	0	272.8	102.5	-0.3	743	0.00
	Kerala	4035	0	82.9	56.9	-0.3	304	0.00
	Tamil Nadu	15673	0	333.7	192.5	0.3	755	0.00
	Puducherry	374	0	8.0	8.0	-0.1	57	0.00
ER	Bihar	4694	0	82.6	74.9	0.8	277	0.02
	DVC	3362	0	72.7	-58.3	-1.1	334	0.00
	Jharkhand	1425	0	28.2	18.2	0.4	242	3.30
	Odisha	5132	0	107.1	43.6	-0.7	409	0.00
	West Bengal	6832	0	133.7	0.7	-0.1	273	0.00
	Sikkim	114	0	1.8	1.9	-0.1	16	0.00
NER	Arunachal Pradesh	145	0	2.4	2.6	-0.3	29	0.00
	Assam	1523	0	26.1	19.3	0.2	115	0.00
	Manipur	213	0	3.4	3.0	0.4	23	0.00
	Meghalaya	356	0	6.7	5.6	0.0	58	0.00
	Mizoram	102	0	1.6	1.5	-0.4	12	0.00
	Nagaland	148	0	2.4	2.2	0.1	11	0.00
	Tripura	227	0	3.8	2.5	-0.2	35	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.4	-9.1	-19.8
Day Peak (MW)	-245.0	-656.8	-861.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	108.3	-137.0	205.6	-177.8	0.9	0.0
Actual(MU)	90.9	-121.7	222.4	-189.7	-1.7	0.2
O/D/U/D(MU)	-17.4	15.4	16.8	-11.9	-2.7	0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6740	15890	7892	2031	390	32943	47
State Sector	10329	17324	7458	1810	11	36932	53
Total	17069	33213	15350	3841	401	69875	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	639	1300	565	632	16	3151	75
Lignite	25	16	30	0	0	71	2
Hydro	132	51	104	28	9	324	8
Nuclear	32	33	60	0	0	126	3
Gas, Naptha & Diesel	13	14	8	0	28	63	2
RES (Wind, Solar, Biomass & Others)	128	115	198	5	0	447	11
Total	969	1529	966	665	53	4181	100

Share of RES in total generation (%)	13.19	7.55	20.48	0.79	0.83	10.68
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.11	13.07	37.49	4.99	17.36	21.43

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.072

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: 06-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	837	0.0	13.6	-13.6
4	765 kV	SASARAM-FATEHPUR	1	0	626	0.0	10.3	-10.3
5	765 kV	GAYA-BALIA	1	0	762	0.0	12.7	-12.7
6	400 kV	PUSAULI-VARANASI	1	16	79	0.0	0.7	-0.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	133	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	824	0.0	11.5	-11.5
9	400 kV	PATNA-BALIA	4	0	1043	0.0	18.2	-18.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	675	0.0	9.1	-9.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	552	0.0	8.6	-8.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	385	0.0	6.2	-6.2
13	220 kV	SAHUPURI-KARAMNASA	1	0	111	0.0	1.6	-1.6
14	132 kV	NAGAR UNTARI-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-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.3	94.1	-93.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	746	455	5.4	0.0	5.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1091	0.0	16.6	-16.6
3	765 kV	JHARSUGUDA-DURG	2	0	543	0.0	8.8	-8.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	580	0.0	9.6	-9.6
5	400 kV	RANCHI-SIPAT	2	0	321	0.0	5.2	-5.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	185	3.3	0.0	3.3
7	220 kV	BUDHIPADAR-KORBA	2	106	20	0.0	1.1	-1.1
					ER-WR	8.7	41.3	-32.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	394	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2484	0.0	50.9	-50.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	3186	0.0	62.7	-62.7
4	400 kV	TALCHER-I/C	2	0	646	0.0	5.4	-5.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	122.2	-122.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	503	0	3.3	0.0	3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	737	0	8.4	0.0	8.4
3	220 kV	ALIPURDUAR-SALAKATI	2	130	0	1.4	0.0	1.4
					ER-NER	13.0	0.0	13.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	929	0	12.4	0.0	12.4
					NER-NR	12.4	0.0	12.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	349	0.0	6.3	-6.3
2	HVDC	VINDHYACHAL B/B	-	227	103	2.0	1.4	0.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	253	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1496	0.0	18.6	-18.6
5	765 kV	GWALIOR-PHAGI	2	0	1443	0.0	19.8	-19.8
6	765 kV	JABALPUR-ORAI	2	0	750	0.0	17.4	-17.4
7	765 kV	GWALIOR-ORAI	1	824	0	14.3	0.0	14.3
8	765 kV	SATNA-ORAI	1	0	972	0.0	18.4	-18.4
9	765 kV	BANASKANTHA-CHITORGARH	2	2190	0	39.8	0.0	39.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	2134	0.0	25.4	-25.4
11	400 kV	ZERDA-KANKROLI	1	403	0	6.8	0.0	6.8
12	400 kV	ZERDA -BHINMAL	1	670	0	10.0	0.0	10.0
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	22.3	0.0	22.3
14	400 kV	RAPP-SHUJALPUR	2	536	153	5.1	0.3	4.8
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	137	0	1.1	0.0	1.1
18	220 kV	MALANPUR-AURAIYA	1	68	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	103.5	113.7	-10.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	19.3	-19.3
2	HVDC	RAIGARH-PUGALUR	2	0	3514	0.0	65.8	-65.8
3	765 kV	SOLAPUR-RAICHUR	2	19	2459	0.0	27.0	-27.0
4	765 kV	WARDHA-NIZAMABAD	2	0	3323	0.0	56.5	-56.5
5	400 kV	KOLHAPUR-KUDGI	2	1144	0	18.1	0.0	18.1
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	117	2.1	0.0	2.1
					WR-SR	20.3	168.5	-148.2

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)	161	15	36	0.9
	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	-23	-8	-12	-0.3
	NER	132kV MOTANGA-RANGIA	-12	0	-3	-0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-63	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	-215	-39	-55	-1.3
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-365	-12	-262	-6.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-732	-685	-723	-17.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-129	0	-104	-2.5