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: 11th 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 10.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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:** **11-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)	50723	56832	48141	21320	2701	179717
Peak Shortage (MW)	474	0	0	299	0	773
Energy Met (MU)	1073	1367	1204	441	49	4133
Hydro Gen (MU)	135	44	114	33	11	337
Wind Gen (MU)	8	66	32	-	-	106
Solar Gen (MU)*	89.98	44.21	108.47	5.27	0.49	248
Energy Shortage (MU)	6.69	0.00	0.00	3.20	0.00	9.89
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52373	62737	57950	21675	2802	192709
Time Of Maximum Demand Met (From NLDC SCADA)	11:48	11:09	09:58	18:43	18:07	11:46

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	0.040	0.00	0.14	10.99	11.13	78.13	10.74

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	7653	0	152.4	52.7	-0.7	112	0.00
	Haryana	7522	0	138.9	80.6	-0.2	185	1.14
	Rajasthan	13513	0	260.7	43.4	1.2	340	0.00
	Delhi	3594	0	65.8	57.5	-0.8	164	0.00
	UP	18286	0	326.8	97.7	-1.9	555	0.00
	Uttarakhand	2089	0	38.5	24.1	0.9	246	0.90
	HP	1745	0	30.7	21.5	-0.8	105	0.00
	J&K(UT) & Ladakh(UT)	2766	150	56.0	48.8	0.6	438	4.65
	Chandigarh	185	0	3.1	3.7	-0.7	10	0.00
WR	Chhattisgarh	4692	0	109.8	47.0	-0.2	427	0.00
	Gujarat	17681	0	389.0	213.5	5.4	854	0.00
	MP	11844	0	247.5	128.2	-2.6	575	0.00
	Maharashtra	26180	0	560.9	174.0	-3.2	648	0.00
	Goa	670	0	14.6	12.9	1.4	126	0.00
	DD	343	0	7.8	7.6	0.2	108	0.00
	DNH	880	0	20.3	20.7	-0.4	35	0.00
	AMNSIL	766	0	16.7	10.3	0.4	242	0.00
SR	Andhra Pradesh	11724	0	224.6	108.3	0.2	427	0.00
	Telangana	13230	0	269.2	131.2	-0.3	761	0.00
	Karnataka	14605	0	280.0	103.6	4.2	1072	0.00
	Kerala	4223	0	86.7	59.7	-0.9	174	0.00
	Tamil Nadu	15587	0	335.0	216.7	3.2	1095	0.00
	Puducherry	403	0	8.4	8.4	-0.1	56	0.00
ER	Bihar	5031	0	89.2	82.9	-0.2	247	0.27
	DVC	3429	0	72.8	-56.0	-2.1	322	0.00
	Jharkhand	1511	0	27.0	23.0	-0.7	244	2.93
	Odisha	5360	0	110.2	39.0	-2.0	461	0.00
	West Bengal	7120	0	139.7	7.9	0.9	849	0.00
	Sikkim	108	0	1.7	1.7	-0.1	33	0.00
NER	Arunachal Pradesh	139	0	2.4	2.7	-0.4	21	0.00
	Assam	1623	0	28.4	24.6	0.6	99	0.00
	Manipur	198	0	2.9	2.9	0.0	31	0.00
	Meghalaya	365	0	6.6	5.9	-0.1	53	0.00
	Mizoram	107	0	1.8	1.4	-0.1	13	0.00
	Nagaland	145	0	2.6	2.3	0.2	6	0.00
	Tripura	249	0	4.1	3.5	-0.6	22	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	0.3	-11.0	-20.4
Day Peak (MW)	-83.0	-657.0	-869.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	106.6	-153.6	231.7	-188.4	3.8	0.0
Actual(MU)	80.3	-142.5	251.6	-193.2	-0.1	-3.8
O/D/U/D(MU)	-26.2	11.1	19.9	-4.8	-3.9	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5901	15230	7112	1471	570	30284	46
State Sector	9714	16389	7193	2610	11	35917	54
Total	15616	31618	14305	4081	581	66201	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	683	1322	572	632	15	3224	76
Lignite	25	15	37	0	0	77	2
Hydro	135	44	114	33	11	337	8
Nuclear	28	33	70	0	0	131	3
Gas, Naptha & Diesel	11	12	8	0	28	60	1
RES (Wind, Solar, Biomass & Others)	127	111	172	5	0	416	10
Total	1009	1537	973	671	54	4244	100

Share of RES in total generation (%)	12.56	7.25	17.65	0.78	0.90	9.79
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.68	12.28	36.60	5.76	20.72	20.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.067

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: 11-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	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	677	0.0	11.0	-11.0
4	765 kV	SASARAM-FATEHPUR	1	0	491	0.0	9.9	-9.9
5	765 kV	GAYA-BALIA	1	0	583	0.0	9.6	-9.6
6	400 kV	PUSAULI-VARANASI	1	0	116	0.0	1.8	-1.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	150	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	48	656	0.0	7.1	-7.1
9	400 kV	PATNA-BALIA	4	0	957	0.0	18.0	-18.0
10	400 kV	BIHARSHARIFF-BALIA	2	0	558	0.0	6.7	-6.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	368	0.0	5.1	-5.1
12	400 kV	BIHARSHARIFF-VARANASI	2	0	349	0.0	5.3	-5.3
13	220 kV	SAHUPURI-KARAMNASA	1	5	119	0.0	1.7	-1.7
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	78.0	-77.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	932	135	6.6	0.0	6.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	28	1271	0.0	15.2	-15.2
3	765 kV	JHARSUGUDA-DURG	2	0	675	0.0	12.3	-12.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	614	0.0	10.5	-10.5
5	400 kV	RANCHI-SIPAT	2	0	339	0.0	5.1	-5.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	211	0.0	3.5	-3.5
7	220 kV	BUDHIPADAR-KORBA	2	57	52	0.1	0.0	0.1
					ER-WR	6.6	46.6	-40.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	711	0.0	15.0	-15.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2481	0.0	49.6	-49.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	3545	0.0	63.6	-63.6
4	400 kV	TALCHER-I/C	2	0	659	0.0	4.0	-4.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	128.1	-128.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	242	0	2.5	0.0	2.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	338	0	3.9	0.0	3.9
3	220 kV	ALIPURDUAR-SALAKATI	2	57	13	0.6	0.0	0.6
					ER-NER	7.0	0.0	7.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	289	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	8.4	-8.4
2	HVDC	VINDHYACHAL B/B	-	315	0	4.6	0.0	4.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1451	0.0	15.4	-15.4
5	765 kV	GWALIOR-PHAGI	2	0	1496	0.0	20.5	-20.5
6	765 kV	JABALPUR-ORAI	2	0	785	0.0	15.4	-15.4
7	765 kV	GWALIOR-ORAI	1	755	0	13.4	0.0	13.4
8	765 kV	SATNA-ORAI	1	0	963	0.0	17.7	-17.7
9	765 kV	BANASKANTHA-CHITORGARH	2	2136	0	38.0	0.0	38.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2154	0.0	29.3	-29.3
11	400 kV	ZERDA-KANKROLI	1	435	0	7.8	0.0	7.8
12	400 kV	ZERDA -BHINMAL	1	629	0	9.4	0.0	9.4
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUJALPUR	2	488	293	3.8	0.0	3.8
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	117	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	77	0	2.0	0.0	2.0
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	102.2	112.8	-10.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	24.3	-24.3
2	HVDC	RAIGARH-PUGALUR	2	0	6033	0.0	97.6	-97.6
3	765 kV	SOLAPUR-RAICHUR	2	67	1671	0.0	20.7	-20.7
4	765 kV	WARDHA-NIZAMABAD	2	0	3156	0.0	54.6	-54.6
5	400 kV	KOLHAPUR-KUDGI	2	1363	0	23.2	0.0	23.2
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	1	122	2.3	0.0	2.3
					WR-SR	25.5	197.2	-171.7

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)	189	0	100	2.4
	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	-9	-1	-5	-0.1
	NER	132kV MOTANGA-RANGIA	11	2	3	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-57	-1.4
	ER	NEPAL IMPORT (FROM BIHAR)	-246	-47	-163	-3.9
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-334	0	-241	-5.8
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-733	-732	-732	-17.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-136	0	-119	-2.9