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: 14th April 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 13.04.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-अप्रैल-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 13th April 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:** **14-Apr-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 20:00 hrs; from RLDCs)	55655	60142	44551	24135	2656	187139
Peak Shortage (MW)	2079	1860	771	1130	11	5851
Energy Met (MU)	1244	1468	1144	547	48	4450
Hydro Gen (MU)	207	63	97	64	9	441
Wind Gen (MU)	18	86	31	-	-	134
Solar Gen (MU)*	90.67	49.32	108.14	4.90	0.23	253
Energy Shortage (MU)	29.68	45.22	24.28	15.20	0.30	114.68
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56843	66068	56503	24667	2745	197507
Time Of Maximum Demand Met (From NLDC SCADA)	19:25	15:18	11:56	20:37	18:47	11:40

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	0.215	4.37	16.38	23.38	44.13	51.59	4.28

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	7632	0	165.8	61.9	-2.7	116	2.40
	Haryana	8005	130	160.0	109.5	-1.9	153	1.42
	Rajasthan	12562	534	248.6	69.6	-0.8	461	16.78
	Delhi	5224	0	108.8	92.0	-2.8	47	0.00
	UP	20477	860	433.2	143.2	0.9	698	1.06
	Uttarakhand	1988	0	41.9	25.3	0.9	263	2.93
	HP	1637	0	33.6	11.9	-0.1	235	0.44
	J&K(UT) & Ladakh(UT)	2221	300	46.1	32.9	-2.7	84	4.65
	Chandigarh	275	0	5.5	5.5	-0.1	37	0.00
WR	Chhattisgarh	5237	0	120.5	61.9	0.3	356	1.88
	Gujarat	19989	0	431.7	209.4	1.5	725	0.00
	MP	11541	881	261.5	128.1	2.0	744	21.71
	Maharashtra	28514	2293	594.2	162.6	4.9	1129	20.96
	Goa	678	0	14.7	12.9	1.4	105	0.67
	DD	356	0	8.1	7.9	0.2	46	0.00
	DNH	862	0	20.1	20.3	-0.2	46	0.00
	AMNSIL	758	0	16.7	9.7	0.4	305	0.00
SR	Andhra Pradesh	11260	944	209.2	78.6	1.9	768	24.28
	Telangana	12791	0	250.5	112.9	-1.2	530	0.00
	Karnataka	14219	0	262.1	86.5	2.4	1086	0.00
	Kerala	3642	0	76.7	46.9	-1.0	201	0.00
	Tamil Nadu	15470	0	336.8	220.7	-3.1	528	0.00
	Puducherry	394	0	8.7	9.3	-0.6	24	0.00
ER	Bihar	5859	564	121.0	109.1	0.6	325	7.69
	DVC	3563	0	78.8	-40.5	-0.6	261	0.00
	Jharkhand	1594	0	32.5	29.3	-1.9	238	6.75
	Odisha	5773	0	117.3	50.9	-0.4	503	0.76
	West Bengal	9544	0	195.6	65.7	-0.6	394	0.00
	Sikkim	109	0	1.7	1.6	0.1	32	0.00
NER	Arunachal Pradesh	131	0	2.2	2.0	0.1	32	0.00
	Assam	1601	0	28.6	22.8	0.1	126	0.10
	Manipur	189	0	2.4	2.5	-0.1	27	0.07
	Meghalaya	348	0	5.8	2.8	-0.1	69	0.00
	Mizoram	112	0	1.7	1.6	-0.1	23	0.00
	Nagaland	140	11	1.9	1.6	0.1	35	0.08
	Tripura	284	0	5.5	4.8	0.3	48	0.05

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.2	-8.8	-26.4
Day Peak (MW)	636.0	-646.5	-1114.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	106.3	-177.1	156.1	-89.3	4.1	0.0
Actual(MU)	88.7	-162.1	145.8	-85.6	5.1	-8.0
O/D/U/D(MU)	-17.6	15.1	-10.3	3.7	1.0	-8.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3089	13257	6668	1235	1274	25522	46
State Sector	8594	12886	5935	2658	137	30209	54
Total	11683	26142	12603	3893	1411	55731	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	755	1412	642	596	12	3416	75
Lignite	20	5	46	0	0	70	2
Hydro	207	63	97	64	9	441	10
Nuclear	26	33	46	0	0	105	2
Gas, Naptha & Diesel	30	7	9	0	28	74	2
RES (Wind, Solar, Biomass & Others)	139	136	173	5	0	454	10
Total	1177	1656	1013	665	49	4560	100

Share of RES in total generation (%)	11.85	8.21	17.10	0.74	0.47	9.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.65	14.00	31.24	10.43	17.93	21.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Based on State Max Demands	1.088

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: 14-Apr-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	163	430	0.0	5.3	-5.3
4	765 kV	SASARAM-FATEHPUR	1	0	302	0.0	5.7	-5.7
5	765 kV	GAYA-BALIA	1	0	524	0.0	8.8	-8.8
6	400 kV	PUSAULI-VARANASI	1	49	10	0.4	0.0	0.4
7	400 kV	PUSAULI -ALLAHABAD	1	74	55	0.2	0.0	0.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	341	674	0.0	6.5	-6.5
9	400 kV	PATNA-BALIA	2	0	453	0.0	7.3	-7.3
10	400 kV	NAUBATPUR-BALIA	2	0	497	0.0	7.8	-7.8
11	400 kV	BIHARSHARIFF-BALIA	2	241	239	0.0	1.5	-1.5
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BIHARSHARIFF-VARANASI	2	89	402	0.0	3.6	-3.6
14	220 kV	SAHUPURI-KARAMNASA	1	0	157	0.0	2.3	-2.3
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	1.0	48.8	-47.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	17.9	0.0	17.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1117	0	14.5	0.0	14.5
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.2	-2.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.0	-4.0
5	400 kV	RANCHI-SIPAT	2	222	63	2.2	0.0	2.2
6	220 kV	BUDHIPADAR-RAIGARH	1	66	110	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	122	0	1.7	0.0	1.7
					ER-WR	36.4	7.9	28.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	587	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1993	0.0	46.1	-46.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2492	0.0	48.1	-48.1
4	400 kV	TALCHER-I/C	2	0	620	0.0	12.3	-12.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	106.7	-106.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	291	0	2.7	0.0	2.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	371	0	4.0	0.0	4.0
3	220 kV	ALIPURDUAR-SALAKATI	2	58	29	0.2	0.0	0.2
					ER-NER	7.0	0.0	7.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	474	0	11.7	0.0	11.7
					NER-NR	11.7	0.0	11.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	450	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	504	11.7	0.0	11.7
4	765 kV	GWALIOR-AGRA	2	0	1647	0.0	25.2	-25.2
5	765 kV	GWALIOR-PHAGI	2	0	1377	0.0	20.2	-20.2
6	765 kV	JABALPUR-ORAI	2	0	807	0.0	23.6	-23.6
7	765 kV	GWALIOR-ORAI	1	642	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	934	0.0	18.6	-18.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1044	928	8.1	0.0	8.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2696	0.0	45.7	-45.7
11	400 kV	ZERDA-KANKROLI	1	295	0	3.6	0.0	3.6
12	400 kV	ZERDA -BHINMAL	1	494	60	5.0	0.0	5.0
13	400 kV	VINDHYACHAL -RIHAND	1	962	0	22.3	0.0	22.3
14	400 kV	RAPP-SHUJALPUR	2	381	332	2.2	2.3	-0.1
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	96	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	65	0	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	79.0	135.7	-56.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	21.0	-21.0
2	HVDC	RAIGARH-PUGALUR	2	0	2005	0.0	28.3	-28.3
3	765 kV	SOLAPUR-RAICHUR	2	572	1021	0.2	8.8	-8.6
4	765 kV	WARDHA-NIZAMABAD	2	0	2488	0.0	42.9	-42.9
5	400 kV	KOLHAPUR-KUDGI	2	1194	0	21.6	0.0	21.6
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	124	2.4	0.0	2.4
					WR-SR	24.2	101.0	-76.8

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)	229	0	169	4.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	362	0	278	6.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	79	0	37	0.9
	NER	132kV GELEPHU-SALAKATI	0	0	0	0.0
	NER	132kV MOTANGA-RANGIA	-33	-13	-18	-0.4
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-49	-1.2
	ER	NEPAL IMPORT (FROM BIHAR)	-318	-33	-147	-3.5
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-259	-52	-170	-4.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-950	-943	-946	-22.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-153	-3.7