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: 09th 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 08.04.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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:** **09-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)	55951	60571	46896	24151	2567	190136
Peak Shortage (MW)	868	1455	361	147	0	2831
Energy Met (MU)	1213	1496	1226	536	49	4520
Hydro Gen (MU)	200	70	103	89	14	475
Wind Gen (MU)	21	94	28	-	-	142
Solar Gen (MU)*	99.20	48.39	106.76	5.00	0.27	260
Energy Shortage (MU)	20.08	15.74	21.76	2.95	0.00	60.53
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57222	66938	59998	24695	2763	199584
Time Of Maximum Demand Met (From NLDC SCADA)	19:21	14:56	12:24	20:46	18:29	10:57

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	0.162	3.84	6.70	24.44	34.98	54.30	10.72

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	7628	0	160.0	54.3	-1.9	141	1.10
	Haryana	7737	74	149.0	97.8	0.1	309	4.69
	Rajasthan	12779	0	260.1	59.4	-2.3	294	3.28
	Delhi	4999	0	101.9	89.6	-2.0	101	0.00
	UP	20305	600	412.5	129.7	-0.2	382	4.51
	Uttarakhand	1937	0	40.9	24.9	0.4	199	1.85
	HP	1616	0	32.7	12.2	-0.3	346	0.00
	J&K(UT) & Ladakh(UT)	2126	250	50.9	35.4	-0.9	99	4.65
	Chandigarh	237	0	4.7	4.9	-0.3	24	0.00
WR	Chhattisgarh	5154	0	124.8	59.2	0.2	166	0.08
	Gujarat	20277	0	445.0	205.4	-0.4	660	0.00
	MP	11316	0	256.2	139.5	2.7	1076	13.53
	Maharashtra	28343	0	612.0	170.2	-0.1	792	1.59
	Goa	676	0	14.4	13.5	0.4	39	0.54
	DD	358	0	8.2	7.8	0.4	45	0.00
	DNH	881	0	20.3	20.1	0.2	83	0.00
	AMNSIL	692	0	15.4	9.0	-0.9	238	0.00
SR	Andhra Pradesh	12293	500	217.1	79.6	3.1	921	21.76
	Telangana	13390	0	265.0	127.7	-0.3	759	0.00
	Karnataka	14725	0	282.9	93.4	5.1	1316	0.00
	Kerala	3274	0	79.0	51.7	-0.5	239	0.00
	Tamil Nadu	16713	0	372.7	257.9	-1.3	414	0.00
	Puducherry	434	0	9.4	9.4	-0.1	28	0.00
ER	Bihar	6033	0	118.9	113.1	-1.5	273	0.68
	DVC	3587	0	80.3	-42.9	0.5	380	0.00
	Jharkhand	1718	0	34.0	26.4	-2.0	251	2.27
	Odisha	5400	0	115.0	54.0	-0.9	384	0.00
	West Bengal	8802	0	186.6	48.8	-0.7	560	0.00
	Sikkim	113	0	1.3	1.5	-0.2	18	0.00
NER	Arunachal Pradesh	136	0	2.4	2.5	-0.2	27	0.00
	Assam	1560	0	27.9	23.7	-0.6	72	0.00
	Manipur	196	0	2.5	2.6	-0.1	30	0.00
	Meghalaya	360	0	6.4	3.7	-0.1	34	0.00
	Mizoram	114	0	1.8	1.9	-0.2	3	0.00
	Nagaland	138	0	2.2	2.1	0.0	15	0.00
	Tripura	293	0	5.3	5.0	-0.1	81	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	26.7	-9.4	-25.8
Day Peak (MW)	1470.0	-753.0	-1094.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	83.8	-170.5	201.7	-111.8	-3.2	0.0
Actual(MU)	65.7	-160.1	203.7	-110.3	-4.7	-5.6
O/D/U/D(MU)	-18.1	10.4	2.0	1.6	-1.5	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4030	13487	6068	1600	1049	26234	47
State Sector	7734	13038	6690	2608	112	30181	53
Total	11764	26525	12758	4208	1161	56415	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	738	1420	668	595	17	3437	74
Lignite	21	12	46	0	0	80	2
Hydro	200	70	103	89	14	475	10
Nuclear	31	33	47	0	0	111	2
Gas, Naptha & Diesel	24	9	9	0	28	70	2
RES (Wind, Solar, Biomass & Others)	153	143	166	5	0	467	10
Total	1167	1686	1039	688	59	4640	100

Share of RES in total generation (%)	13.14	8.46	15.97	0.73	0.45	10.07
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.93	14.53	30.40	13.60	23.97	22.70

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
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: 09-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	152	492	0.0	5.8	-5.8
4	765 kV	SASARAM-FATEHPUR	1	0	384	0.0	7.1	-7.1
5	765 kV	GAYA-BALIA	1	38	462	0.0	6.9	-6.9
6	400 kV	PUSAULI-VARANASI	1	36	92	0.0	0.8	-0.8
7	400 kV	PUSAULI -ALLAHABAD	1	64	87	0.0	0.3	-0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	121	666	0.0	8.9	-8.9
9	400 kV	PATNA-BALIA	2	0	480	0.0	8.4	-8.4
10	400 kV	NAUBATPUR-BALIA	2	0	534	0.0	9.1	-9.1
11	400 kV	BIHARSHARIFF-BALIA	2	58	257	0.0	2.8	-2.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BIHARSHARIFF-VARANASI	2	0	100	0.0	2.3	-2.3
14	220 kV	SAHUPURI-KARAMNASA	1	0	162	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	0.4	54.6	-54.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	20.5	0.0	20.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	548	738	0.0	2.2	-2.2
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	6.5	-6.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.8	-7.8
5	400 kV	RANCHI-SIPAT	2	67	270	0.0	2.1	-2.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	154	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	183	0	2.5	0.0	2.5
					ER-WR	23.1	20.7	2.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	553	0.0	12.5	-12.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2005	0.0	45.2	-45.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2886	0.0	54.9	-54.9
4	400 kV	TALCHER-I/C	2	406	189	0.1	0.0	0.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	112.5	-112.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	369	0	5.0	0.0	5.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	385	141	4.4	0.0	4.4
3	220 kV	ALIPURDUAR-SALAKATI	2	62	42	0.5	0.0	0.5
					ER-NER	10.0	0.0	10.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	189	4.5	0.0	4.5
					NER-NR	4.5	0.0	4.5
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	274	0	7.3	0.0	7.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	689	1190	2.4	12.7	-10.3
5	765 kV	GWALIOR-PHAGI	2	779	1203	2.5	15.7	-13.2
6	765 kV	JABALPUR-ORAI	2	338	615	0.0	13.3	-13.3
7	765 kV	GWALIOR-ORAI	1	575	0	10.9	0.0	10.9
8	765 kV	SATNA-ORAI	1	0	857	0.0	15.8	-15.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1239	1251	15.3	0.0	15.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2100	0.0	31.6	-31.6
11	400 kV	ZERDA-KANKROLI	1	406	0	5.8	0.0	5.8
12	400 kV	ZERDA -BHINMAL	1	763	0	8.6	0.0	8.6
13	400 kV	VINDHYACHAL -RIHAND	1	480	0	11.1	0.0	11.1
14	400 kV	RAPP-SHUJALPUR	2	936	132	6.4	0.3	6.1
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	103	3	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	105	0	1.2	0.0	1.2
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	72.7	89.3	-16.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	16.8	0.0	16.8
2	HVDC	RAIGARH-PUGALUR	2	0	5021	0.0	71.7	-71.7
3	765 kV	SOLAPUR-RAICHUR	2	0	1998	0.0	22.2	-22.2
4	765 kV	WARDHA-NIZAMABAD	2	0	3193	0.0	51.8	-51.8
5	400 kV	KOLHAPUR-KUDGI	2	1169	0	18.8	0.0	18.8
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	120	2.4	0.0	2.4
					WR-SR	38.0	145.7	-107.7

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)	527	487	519	12.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	716	316	504	12.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	201	72	133	3.2
	NER	132kV GELEPHU-SALAKATI	21	9	15	0.4
	NER	132kV MOTANGA-RANGIA	37	25	31	0.7
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-50	-1.2
	ER	NEPAL IMPORT (FROM BIHAR)	-325	-36	-142	-3.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-355	-69	-198	-4.8
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-936	-924	-930	-22.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-158	0	-143	-3.4