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 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 05.04.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05rd 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:** **06-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)	53745	61190	47853	23510	2652	188950
Peak Shortage (MW)	1898	750	600	1478	0	4726
Energy Met (MU)	1152	1500	1218	520	46	4436
Hydro Gen (MU)	177	71	110	82	23	463
Wind Gen (MU)	12	47	26	-	-	84
Solar Gen (MU)*	100.47	51.24	103.27	4.51	0.22	260
Energy Shortage (MU)	15.69	3.02	14.04	10.20	0.01	42.96
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54714	66005	58219	23657	2738	193724
Time Of Maximum Demand Met (From NLDC SCADA)	20:15	15:33	10:00	20:46	18:21	11:30

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	0.206	6.27	10.74	24.31	41.33	54.67	4.00

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	6450	100	142.2	50.0	-1.5	104	6.05
	Haryana	6794	0	141.7	90.3	-1.6	163	3.48
	Rajasthan	12208	0	253.7	57.4	-1.1	279	0.00
	Delhi	4590	0	95.7	84.1	-1.0	194	0.00
	UP	20777	260	395.7	129.7	-0.4	437	1.27
	Uttarakhand	1918	0	40.6	24.8	0.4	130	0.24
	HP	1604	0	31.2	12.3	0.1	361	0.00
	J&K(UT) & Ladakh(UT)	2176	250	46.8	34.6	1.4	204	4.65
	Chandigarh	225	0	4.6	4.9	-0.3	14	0.00
WR	Chhattisgarh	5242	0	125.8	58.0	2.0	276	0.03
	Gujarat	19538	0	430.6	212.0	4.7	697	0.00
	MP	11706	607	262.7	136.8	2.4	590	2.57
	Maharashtra	28489	0	623.3	182.8	-2.9	634	0.42
	Goa	672	0	14.4	14.3	-0.1	46	0.00
	DD	349	0	7.9	7.6	0.3	34	0.00
	DNH	851	0	19.6	19.1	0.5	93	0.00
	AMNSIL	765	0	15.5	9.8	-0.8	255	0.00
SR	Andhra Pradesh	11770	1000	218.7	82.8	3.4	943	13.47
	Telangana	13187	0	266.0	149.4	0.5	725	0.04
	Karnataka	14199	0	270.9	87.6	0.3	919	0.53
	Kerala	3977	0	86.0	53.5	-0.3	229	0.00
	Tamil Nadu	16647	0	367.1	246.5	0.8	992	0.00
	Puducherry	429	0	9.2	9.4	-0.2	20	0.00
ER	Bihar	5502	1126	110.1	107.9	-3.0	355	6.50
	DVC	3620	0	79.5	-49.9	-0.1	243	0.00
	Jharkhand	1542	0	34.7	24.2	0.8	165	3.70
	Odisha	5244	0	109.3	48.2	-2.3	305	0.00
	West Bengal	8832	0	185.0	51.7	2.1	533	0.00
	Sikkim	111	0	1.8	1.8	0.0	19	0.00
NER	Arunachal Pradesh	133	0	2.3	2.3	-0.1	24	0.00
	Assam	1563	0	26.3	20.7	0.0	113	0.00
	Manipur	196	0	2.7	2.6	0.1	24	0.00
	Meghalaya	338	0	5.8	3.3	-0.2	28	0.00
	Mizoram	110	0	1.7	1.8	-0.3	16	0.00
	Nagaland	131	0	2.4	2.1	0.2	15	0.01
	Tripura	299	0	5.1	4.6	0.1	42	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	17.3	-9.2	-26.1
Day Peak (MW)	994.0	-650.3	-1107.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	68.7	-155.2	227.6	-128.2	-12.9	0.0
Actual(MU)	45.5	-138.3	228.8	-126.4	-14.7	-5.1
O/D/U/D(MU)	-23.3	16.9	1.3	1.8	-1.8	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3114	13262	6318	1870	611	25174	43
State Sector	8659	13279	7402	3398	11	32748	57
Total	11773	26540	13720	5268	622	57922	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	730	1448	631	599	17	3424	75
Lignite	17	13	54	0	0	83	2
Hydro	177	71	110	82	23	463	10
Nuclear	31	33	46	0	0	110	2
Gas, Naptha & Diesel	22	5	8	0	28	63	1
RES (Wind, Solar, Biomass & Others)	147	99	157	5	0	407	9
Total	1126	1668	1005	686	67	4552	100

Share of RES in total generation (%)	13.06	5.94	15.57	0.66	0.33	8.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.60	12.14	31.07	12.65	34.46	21.54

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Based on State Max Demands	1.095

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-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	0	513	0.0	7.2	-7.2
4	765 kV	SASARAM-FATEHPUR	1	0	441	0.0	8.4	-8.4
5	765 kV	GAYA-BALIA	1	12	478	0.0	5.7	-5.7
6	400 kV	PUSAULI-VARANASI	1	0	123	0.0	2.0	-2.0
7	400 kV	PUSAULI -ALLAHABAD	1	61	116	0.0	0.7	-0.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	270	778	0.0	9.2	-9.2
9	400 kV	PATNA-BALIA	2	0	552	0.0	9.3	-9.3
10	400 kV	NAUBATPUR-BALIA	2	0	604	0.0	9.9	-9.9
11	400 kV	BIHARSHARIFF-BALIA	2	158	346	0.0	3.2	-3.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BIHARSHARIFF-VARANASI	2	56	249	0.0	2.9	-2.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	196	0.0	2.5	-2.5
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
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	0.5	61.0	-60.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	24.2	0.0	24.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	438	1091	0.0	10.4	-10.4
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	14.6	-14.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.8	-7.8
5	400 kV	RANCHI-SIPAT	2	52	327	0.0	4.4	-4.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	164	0.0	3.2	-3.2
7	220 kV	BUDHIPADAR-KORBA	2	149	0	2.4	0.0	2.4
					ER-WR	26.6	40.4	-13.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	711	0.0	14.1	-14.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2477	0.0	46.3	-46.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2903	0.0	56.7	-56.7
4	400 kV	TALCHER-I/C	2	415	632	0.0	1.1	-1.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	117.1	-117.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	540	0	7.9	0.0	7.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	708	0	10.9	0.0	10.9
3	220 kV	ALIPURDUAR-SALAKATI	2	118	0	1.7	0.0	1.7
					ER-NER	20.6	0.0	20.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	478	0	5.1	0.0	5.1
					NER-NR	5.1	0.0	5.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1810	0.0	30.3	-30.3
2	HVDC	VINDHYACHAL B/B	-	446	0	9.8	0.0	9.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	708	1132	3.2	8.9	-5.8
5	765 kV	GWALIOR-PHAGI	2	633	1032	1.8	14.0	-12.2
6	765 kV	JABALPUR-ORAI	2	410	571	0.0	5.8	-5.8
7	765 kV	GWALIOR-ORAI	1	685	0	11.5	0.0	11.5
8	765 kV	SATNA-ORAI	1	0	858	0.0	16.4	-16.4
9	765 kV	BANASKANTHA-CHITORGARH	2	1909	0	31.1	0.0	31.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2106	0.0	23.9	-23.9
11	400 kV	ZERDA-KANKROLI	1	445	0	7.4	0.0	7.4
12	400 kV	ZERDA -BHINMAL	1	719	0	9.9	0.0	9.9
13	400 kV	VINDHYACHAL -RIHAND	1	965	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	829	109	7.3	0.1	7.2
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	140	0	1.6	0.0	1.6
18	220 kV	MALANPUR-AURAIYA	1	101	0	2.4	0.0	2.4
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	107.9	99.4	8.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	21.1	-21.1
2	HVDC	RAIGARH-PUGALUR	2	0	5020	0.0	79.4	-79.4
3	765 kV	SOLAPUR-RAICHUR	2	609	1811	0.2	23.9	-23.7
4	765 kV	WARDHA-NIZAMABAD	2	0	3140	0.0	59.2	-59.2
5	400 kV	KOLHAPUR-KUDGI	2	1509	0	20.0	0.0	20.0
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	115	2.4	0.0	2.4
					WR-SR	22.5	183.7	-161.2

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)	384	0	297	7.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	567	0	376	9.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	110	0	76	1.8
	NER	132kV GELEPHU-SALAKATI	-4	3	0	0.0
	NER	132kV MOTANGA-RANGIA	-38	-8	-30	-0.7
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-63	0	-48	-1.2
	ER	NEPAL IMPORT (FROM BIHAR)	-291	-2	-93	-2.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-296	-129	-244	-5.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-943	-931	-937	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-152	-3.6