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 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 10.04.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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:** **11-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)	54750	57913	41612	22183	2112	178570
Peak Shortage (MW)	265	774	826	0	0	1865
Energy Met (MU)	1172	1457	1110	520	42	4301
Hydro Gen (MU)	200	47	87	77	10	421
Wind Gen (MU)	15	90	24	-	-	129
Solar Gen (MU)*	99.12	50.20	92.67	5.10	0.25	247
Energy Shortage (MU)	15.28	22.99	20.68	4.24	0.00	63.19
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56122	64811	53917	23689	2358	186976
Time Of Maximum Demand Met (From NLDC SCADA)	20:46	15:26	11:53	23:38	18:16	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	0.058	0.71	0.59	8.12	9.42	66.68	23.90

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	7277	0	147.2	49.7	-1.4	72	4.50
	Haryana	7544	18	138.2	98.7	-0.4	220	4.39
	Rajasthan	12640	0	256.4	72.5	-0.7	331	0.78
	Delhi	4936	0	98.5	83.2	-1.7	229	0.01
	UP	21146	0	407.2	130.7	0.3	363	0.05
	Uttarakhand	1867	0	39.0	22.4	0.5	119	0.90
	HP	1445	0	29.4	10.0	-0.1	226	0.00
	J&K(UT) & Ladakh(UT)	2141	250	51.8	35.6	-0.3	210	4.65
	Chandigarh	213	0	4.3	4.5	-0.2	16	0.00
WR	Chhattisgarh	5182	0	120.2	64.4	-3.3	214	0.33
	Gujarat	19086	0	419.0	208.0	-4.0	529	0.00
	MP	11886	0	269.9	141.3	0.2	703	9.67
	Maharashtra	27225	0	590.0	169.4	0.8	1075	12.99
	Goa	600	0	13.2	12.5	0.2	49	0.00
	DD	336	0	7.4	7.2	0.2	30	0.00
	DNH	867	0	20.1	19.9	0.2	84	0.00
	AMNSIL	781	0	17.1	11.2	-0.5	240	0.00
SR	Andhra Pradesh	11042	836	207.4	83.2	0.4	512	20.68
	Telangana	12865	0	254.4	133.4	0.4	758	0.00
	Karnataka	13202	0	250.1	87.3	1.8	745	0.00
	Kerala	3497	0	69.8	45.9	0.4	229	0.00
	Tamil Nadu	14582	0	320.3	203.0	-0.1	776	0.00
	Puducherry	399	0	8.1	8.4	-0.4	36	0.00
ER	Bihar	5469	0	110.0	103.0	-0.4	481	1.95
	DVC	3491	0	75.4	-40.4	0.1	397	0.00
	Jharkhand	1500	0	29.8	21.1	-0.4	349	2.29
	Odisha	5910	0	125.5	64.0	-1.7	546	0.00
	West Bengal	8639	0	178.2	49.3	-0.3	372	0.00
	Sikkim	97	0	1.0	1.1	-0.1	41	0.00
NER	Arunachal Pradesh	135	0	2.3	2.2	0.0	20	0.00
	Assam	1251	0	22.9	18.7	-1.1	88	0.00
	Manipur	184	0	2.5	2.7	-0.1	19	0.00
	Meghalaya	319	0	5.5	3.0	-0.1	49	0.00
	Mizoram	101	0	1.8	1.8	-0.2	4	0.00
	Nagaland	127	0	2.3	2.0	0.3	10	0.00
	Tripura	278	0	5.1	4.7	0.0	44	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	19.2	-9.7	-26.3
Day Peak (MW)	970.0	-631.0	-1114.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	92.3	-131.0	165.5	-121.3	-5.5	0.0
Actual(MU)	74.6	-119.6	165.9	-118.9	-6.9	-5.0
O/D/U/D(MU)	-17.7	11.4	0.4	2.4	-1.5	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4340	14087	6378	1160	1024	26988	45
State Sector	8919	13923	5965	3798	11	32615	55
Total	13259	28010	12343	4958	1035	59603	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	689	1369	622	604	17	3301	75
Lignite	22	11	48	0	0	81	2
Hydro	200	47	87	77	10	421	10
Nuclear	31	33	46	0	0	110	2
Gas, Naptha & Diesel	28	8	9	0	29	74	2
RES (Wind, Solar, Biomass & Others)	147	141	149	5	0	443	10
Total	1117	1610	961	686	56	4430	100

Share of RES in total generation (%)	13.20	8.75	15.51	0.75	0.45	10.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.87	13.73	29.34	11.98	17.90	21.98

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.074
Based on State Max Demands	1.114

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-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	93	556	0.0	7.6	-7.6
4	765 kV	SASARAM-FATEHPUR	1	0	391	0.0	8.0	-8.0
5	765 kV	GAYA-BALIA	1	0	575	0.0	8.0	-8.0
6	400 kV	PUSAULI-VARANASI	1	0	136	0.0	1.7	-1.7
7	400 kV	PUSAULI -ALLAHABAD	1	9	128	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	77	788	0.0	10.8	-10.8
9	400 kV	PATNA-BALIA	2	0	444	0.0	7.2	-7.2
10	400 kV	NAUBATPUR-BALIA	2	0	493	0.0	8.0	-8.0
11	400 kV	BIHARSHARIFF-BALIA	2	49	387	0.0	5.2	-5.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BIHARSHARIFF-VARANASI	2	37	290	0.0	2.1	-2.1
14	220 kV	SAHUPURI-KARAMNASA	1	0	188	0.0	2.6	-2.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
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	0.3	62.3	-62.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	15.2	0.0	15.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	531	802	0.0	0.2	-0.2
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	5.0	-5.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	9.1	-9.1
5	400 kV	RANCHI-SIPAT	2	49	330	0.0	2.4	-2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	129	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	121	0	1.3	0.0	1.3
					ER-WR	16.5	18.6	-2.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	552	0.0	12.5	-12.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1996	0.0	45.8	-45.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	3049	0.0	54.0	-54.0
4	400 kV	TALCHER-I/C	2	401	185	0.0	0.8	-0.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	112.3	-112.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	435	0	5.6	0.0	5.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	554	0	6.6	0.0	6.6
3	220 kV	ALIPURDUAR-SALAKATI	2	87	5	0.9	0.0	0.9
					ER-NER	13.0	0.0	13.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	462	0	6.4	0.0	6.4
					NER-NR	6.4	0.0	6.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	449	0	10.9	0.0	10.9
3	HVDC	MUNDRA-MOHINDERGARH	2	0	503	11.7	0.0	11.7
4	765 kV	GWALIOR-AGRA	2	324	1679	0.0	16.6	-16.6
5	765 kV	GWALIOR-PHAGI	2	336	1453	0.0	19.1	-19.1
6	765 kV	JABALPUR-ORAI	2	301	742	0.0	16.0	-16.0
7	765 kV	GWALIOR-ORAI	1	669	0	12.6	0.0	12.6
8	765 kV	SATNA-ORAI	1	0	958	0.0	18.0	-18.0
9	765 kV	BANASKANTHA-CHITORGARH	2	1452	1263	16.9	0.0	16.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	2110	0.0	32.7	-32.7
11	400 kV	ZERDA-KANKROLI	1	364	0	5.1	0.0	5.1
12	400 kV	ZERDA -BHINMAL	1	583	0	7.4	0.0	7.4
13	400 kV	VINDHYACHAL -RIHAND	1	476	0	10.6	0.0	10.6
14	400 kV	RAPP-SHUJALPUR	2	709	321	2.6	0.0	2.6
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	125	0	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	86	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	81.0	102.4	-21.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	20.5	-20.5
2	HVDC	RAIGARH-PUGALUR	2	0	3005	0.0	41.0	-41.0
3	765 kV	SOLAPUR-RAICHUR	2	759	1532	0.0	14.2	-14.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2887	0.0	47.2	-47.2
5	400 kV	KOLHAPUR-KUDGI	2	1423	0	20.6	0.0	20.6
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	114	2.2	0.0	2.2
					WR-SR	22.8	122.9	-100.1

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)	322	0	246	5.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	529	385	479	11.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	135	0	96	2.3
	NER	132kV GELEPHU-SALAKATI	-24	-4	-16	-0.4
	NER	132kV MOTANGA-RANGIA	-12	-2	-3	-0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-67	0	-50	-1.2
	ER	NEPAL IMPORT (FROM BIHAR)	-266	-34	-128	-3.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-298	-123	-226	-5.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-950	-923	-942	-22.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-154	-3.7