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: 08th 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 07.04.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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:** **08-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)	54014	60138	47809	24337	2610	188908
Peak Shortage (MW)	2552	2220	700	558	94	6124
Energy Met (MU)	1185	1485	1221	531	48	4471
Hydro Gen (MU)	197	73	110	65	15	459
Wind Gen (MU)	5	70	30	-	-	105
Solar Gen (MU)*	101.38	50.44	108.73	5.46	0.05	266
Energy Shortage (MU)	28.28	21.23	22.37	7.93	0.27	80.08
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55164	67795	58864	24496	2752	197670
Time Of Maximum Demand Met (From NLDC SCADA)	20:20	22:26	12:46	20:11	18:14	15:00

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	0.415	16.82	19.66	26.19	62.67	35.92	1.41

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	7334	600	161.3	58.3	-2.4	114	2.15
	Haryana	7634	388	145.0	93.9	0.8	318	5.40
	Rajasthan	12357	0	249.6	60.5	-0.4	227	8.17
	Delhi	4857	0	99.4	87.0	-0.4	234	0.01
	UP	20288	770	407.8	126.0	-1.5	687	5.27
	Uttarakhand	1884	0	38.8	22.5	0.5	226	2.63
	HP	1593	0	32.7	12.2	-0.2	315	0.00
	J&K(UT) & Ladakh(UT)	1982	300	46.3	32.8	0.3	236	4.65
	Chandigarh	228	0	4.6	4.6	0.1	27	0.00
WR	Chhattisgarh	5208	41	122.7	55.5	0.5	258	0.96
	Gujarat	19982	0	436.2	206.9	4.3	624	0.00
	MP	11193	0	257.9	135.5	4.4	921	13.82
	Maharashtra	28914	716	611.3	162.0	0.6	723	5.08
	Goa	649	0	14.5	13.3	0.9	68	0.28
	DD	356	0	8.0	7.3	0.7	111	0.00
	DNH	876	27	19.2	18.7	0.5	159	1.09
	AMNSIL	695	0	15.6	8.9	-0.5	260	0.00
SR	Andhra Pradesh	11770	600	213.1	73.1	4.7	808	22.37
	Telangana	13405	0	267.1	130.1	0.0	667	0.00
	Karnataka	14542	0	277.4	90.4	2.2	1218	0.00
	Kerala	3966	0	81.2	52.0	-1.1	260	0.00
	Tamil Nadu	16509	0	372.7	252.6	0.7	550	0.00
	Puducherry	438	0	9.3	9.3	-0.1	32	0.00
ER	Bihar	6015	0	119.2	115.3	1.2	404	3.78
	DVC	3488	0	76.7	-46.2	-1.2	361	0.00
	Jharkhand	1631	0	33.2	23.9	-0.3	179	4.15
	Odisha	5282	0	112.7	49.3	-3.1	219	0.00
	West Bengal	9185	0	188.2	63.7	-0.7	349	0.00
	Sikkim	120	0	1.6	1.5	0.1	90	0.00
NER	Arunachal Pradesh	131	0	2.4	2.4	-0.1	35	0.00
	Assam	1582	0	27.8	22.7	0.0	123	0.27
	Manipur	186	0	2.6	2.6	0.0	19	0.00
	Meghalaya	355	0	6.5	3.2	-0.1	58	0.00
	Mizoram	117	0	1.7	1.9	-0.3	5	0.00
	Nagaland	141	0	2.2	2.1	0.0	15	0.00
	Tripura	300	0	5.4	4.8	0.2	51	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	14.7	-9.3	-26.1
Day Peak (MW)	822.0	-659.5	-1112.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	77.2	-184.8	193.6	-80.9	-5.1	0.0
Actual(MU)	56.2	-169.8	194.8	-84.9	-5.8	-9.5
O/D/U/D(MU)	-21.0	15.0	1.2	-4.0	-0.7	-9.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4419	14207	5368	2370	1049	27413	49
State Sector	7769	13038	4755	2398	11	27970	51
Total	12188	27245	10123	4768	1060	55383	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	734	1433	655	581	17	3422	75
Lignite	20	13	50	0	0	82	2
Hydro	197	73	110	65	15	459	10
Nuclear	31	33	46	0	0	110	2
Gas, Naptha & Diesel	23	8	9	0	28	68	1
RES (Wind, Solar, Biomass & Others)	140	121	170	5	0	436	10
Total	1145	1682	1040	652	60	4578	100

Share of RES in total generation (%)	12.19	7.21	16.35	0.83	0.08	9.53
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.15	13.50	31.33	10.76	25.06	21.97

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.058
Based on State Max Demands	1.089

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: 08-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	196	475	0.0	4.8	-4.8
4	765 kV	SASARAM-FATEHPUR	1	0	324	0.0	5.4	-5.4
5	765 kV	GAYA-BALIA	1	0	481	0.0	7.2	-7.2
6	400 kV	PUSAULI-VARANASI	1	51	43	0.3	0.0	0.3
7	400 kV	PUSAULI -ALLAHABAD	1	99	65	0.8	0.0	0.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	480	562	0.0	4.5	-4.5
9	400 kV	PATNA-BALIA	2	0	397	0.0	6.1	-6.1
10	400 kV	NAUBATPUR-BALIA	2	0	436	0.0	6.6	-6.6
11	400 kV	BIHARSHARIFF-BALIA	2	224	200	0.2	0.0	0.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BIHARSHARIFF-VARANASI	2	86	200	0.0	0.7	-0.7
14	220 kV	SAHUPURI-KARAMNASA	1	3	157	0.0	2.4	-2.4
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
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	1.9	37.5	-35.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	13.7	0.0	13.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	815	336	3.5	0.0	3.5
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	6.4	-6.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	6.9	-6.9
5	400 kV	RANCHI-SIPAT	2	163	136	0.0	0.7	-0.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	152	0.0	2.8	-2.8
7	220 kV	BUDHIPADAR-KORBA	2	146	0	2.5	0.0	2.5
					ER-WR	19.6	16.8	2.8
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	2484	0.0	46.3	-46.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2605	0.0	48.5	-48.5
4	400 kV	TALCHER-I/C	2	721	636	0.0	1.1	-1.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	107.2	-107.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	400	20	4.3	0.0	4.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	509	91	5.4	0.0	5.4
3	220 kV	ALIPURDUAR-SALAKATI	2	89	31	0.8	0.0	0.8
					ER-NER	10.5	0.0	10.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	188	0	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	306	0.0	4.4	-4.4
2	HVDC	VINDHYACHAL B/B	-	447	0	11.8	0.0	11.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	444	1305	1.1	15.2	-14.1
5	765 kV	GWALIOR-PHAGI	2	372	1274	0.9	17.0	-16.1
6	765 kV	JABALPUR-ORAI	2	303	672	0.0	14.9	-14.9
7	765 kV	GWALIOR-ORAI	1	600	0	11.2	0.0	11.2
8	765 kV	SATNA-ORAI	1	0	864	0.0	16.9	-16.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1670	0	21.5	0.0	21.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	2333	0.0	36.4	-36.4
11	400 kV	ZERDA-KANKROLI	1	424	0	5.5	0.0	5.5
12	400 kV	ZERDA -BHINMAL	1	723	0	7.5	0.0	7.5
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	11.2	0.0	11.2
14	400 kV	RAPP-SHUJALPUR	2	689	238	4.5	1.0	3.6
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	118	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	82	0	1.9	0.0	1.9
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	78.5	105.8	-27.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	17.9	-17.9
2	HVDC	RAIGARH-PUGALUR	2	0	5071	0.0	88.5	-88.5
3	765 kV	SOLAPUR-RAICHUR	2	536	1673	0.5	11.7	-11.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2831	0.0	47.3	-47.3
5	400 kV	KOLHAPUR-KUDGI	2	1397	0	23.0	0.0	23.0
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	120	2.5	0.0	2.5
					WR-SR	26.0	165.3	-139.3

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)	470	0	267	6.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	390	280	312	7.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	93	44	56	1.3
	NER	132kV GELEPHU-SALAKATI	11	-2	4	0.1
	NER	132kV MOTANGA-RANGIA	27	12	20	0.5
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-44	-1.1
	ER	NEPAL IMPORT (FROM BIHAR)	-315	-38	-152	-3.7
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-268	-93	-192	-4.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-944	-928	-937	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-168	0	-153	-3.7