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: 15th May 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 14.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-मई-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 14th May 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:** **15-May-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)	63660	60179	42099	22498	2613	191049
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1526	1467	978	514	47	4534
Hydro Gen (MU)	307	37	69	81	28	523
Wind Gen (MU)	35	162	154	-	-	351
Solar Gen (MU)*	109.68	52.51	107.08	5.13	0.02	274
Energy Shortage (MU)	0.23	0.00	0.00	1.42	0.00	1.65
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68757	64603	44874	22744	2717	200638
Time Of Maximum Demand Met (From NLDC SCADA)	22:45	15:02	14:57	15:00	18:47	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	0.040	0.00	0.59	3.47	4.06	66.29	29.65

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	10440	0	229.5	136.9	-0.3	133	0.00
	Haryana	9494	0	203.9	133.2	0.2	174	0.00
	Rajasthan	15197	0	307.1	98.2	-0.6	364	0.00
	Delhi	6714	0	130.7	117.4	-0.8	266	0.02
	UP	25004	0	514.2	237.5	0.5	902	0.39
	Uttarakhand	2226	0	49.0	26.7	0.2	107	0.21
	HP	1559	0	33.1	4.3	-0.5	129	0.00
	J&K(UT) & Ladakh(UT)	2339	0	52.6	31.7	-0.7	279	0.00
	Chandigarh	313	0	6.4	6.9	-0.5	2	0.00
WR	Chhattisgarh	4540	0	105.8	56.4	-2.3	280	0.00
	Gujarat	20277	0	433.5	217.4	-0.4	698	0.00
	MP	12184	0	279.6	142.8	0.0	343	0.00
	Maharashtra	26148	0	588.3	181.7	-1.3	745	0.00
	Goa	639	0	13.8	14.4	-0.7	70	0.00
	DD	334	0	7.6	7.8	-0.2	23	0.00
	DNH	838	0	19.5	19.6	-0.1	48	0.00
	AMNSIL	867	0	19.1	9.5	0.3	258	0.00
SR	Andhra Pradesh	8461	0	180.6	44.8	-1.1	564	0.00
	Telangana	9271	0	189.0	80.7	1.1	814	0.00
	Karnataka	9793	0	199.5	12.4	0.9	765	0.00
	Kerala	3473	0	72.0	51.1	0.3	374	0.00
	Tamil Nadu	15259	0	328.5	160.5	-2.6	727	0.00
	Puducherry	423	0	8.9	9.5	-0.7	51	0.00
ER	Bihar	5947	0	114.5	105.7	-0.8	220	0.04
	DVC	3520	0	76.2	-38.6	1.1	381	0.00
	Jharkhand	1557	0	32.0	23.8	-0.9	176	1.38
	Odisha	6310	0	129.0	60.1	-2.2	449	0.00
	West Bengal	7928	0	161.5	32.0	-1.2	196	0.00
	Sikkim	99	0	1.4	1.6	-0.2	16	0.00
NER	Arunachal Pradesh	122	0	2.3	3.0	-0.8	0	0.00
	Assam	1653	0	28.4	21.3	0.3	107	0.00
	Manipur	177	0	2.5	2.6	0.0	27	0.00
	Meghalaya	312	0	5.7	0.9	0.0	101	0.00
	Mizoram	116	0	1.8	1.8	-0.1	18	0.00
	Nagaland	132	0	2.3	2.1	-0.1	15	0.00
	Tripura	282	0	4.4	3.2	-0.1	67	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.4	-1.0	-25.0
Day Peak (MW)	809.0	-176.2	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	291.5	-159.1	-13.3	-106.6	-12.5	0.0
Actual(MU)	294.1	-142.3	-33.4	-112.6	-14.8	-8.9
O/D/U/D(MU)	2.6	16.9	-20.1	-6.0	-2.3	-8.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3459	10746	5678	2010	810	22703	44
State Sector	7425	12061	7310	1990	173	28958	56
Total	10884	22806	12988	4000	983	51661	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	714	1322	571	583	11	3201	69
Lignite	23	15	41	0	0	79	2
Hydro	307	37	69	81	28	523	11
Nuclear	24	33	46	0	0	103	2
Gas, Naptha & Diesel	22	11	9	0	28	70	2
RES (Wind, Solar, Biomass & Others)	168	215	287	5	0	675	15
Total	1258	1633	1024	669	67	4651	100

Share of RES in total generation (%)	13.37	13.17	28.01	0.77	0.03	14.52
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.73	17.46	39.26	12.92	42.46	27.99

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.015
Based on State Max Demands	1.066

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: 15-May-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	350	0.0	6.6	-6.6
2	HVDC	PUSAULI B/B	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	201	455	0.0	3.7	-3.7
4	765 kV	SASARAM-FATEHPUR	1	0	363	0.0	5.8	-5.8
5	765 kV	GAYA-BALIA	1	0	774	0.0	13.7	-13.7
6	400 kV	PUSAULI-VARANASI	1	70	28	0.5	0.0	0.5
7	400 kV	PUSAULI -ALLAHABAD	1	36	113	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	964	0.0	15.1	-15.1
9	400 kV	PATNA-BALIA	2	0	683	0.0	12.8	-12.8
10	400 kV	NAUBATPUR-BALIA	2	0	730	0.0	13.5	-13.5
11	400 kV	BIHARSHARIFF-BALIA	2	0	702	0.0	10.6	-10.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	605	0.0	9.4	-9.4
13	400 kV	BIHARSHARIFF-VARANASI	2	2	285	0.0	3.9	-3.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	171	0.0	2.9	-2.9
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
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	0.9	99.2	-98.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	6.3	0.0	6.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1038	74	13.5	0.0	13.5
3	765 kV	JHARSUGUDA-DURG	2	0	314	1.6	0.0	1.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.5	-7.5
5	400 kV	RANCHI-SIPAT	2	259	44	2.7	0.0	2.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	92	0.0	1.2	-1.2
7	220 kV	BUDHIPADAR-KORBA	2	148	0	2.0	0.0	2.0
					ER-WR	26.0	8.7	17.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	338	0.0	5.1	-5.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1595	0.0	31.3	-31.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2476	0.0	42.3	-42.3
4	400 kV	TALCHER-I/C	2	714	0	13.3	0.0	13.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	78.7	-78.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	229	172	1.5	0.7	0.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	329	207	2.2	0.0	2.2
3	220 kV	ALIPURDUAR-SALAKATI	2	54	58	0.1	0.0	0.1
					ER-NER	3.8	0.7	3.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	803	0.0	12.4	-12.4
					NER-NR	0.0	12.4	-12.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3006	0.0	53.4	-53.4
2	HVDC	VINDHYACHAL B/B	-	449	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	312	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	2167	0.0	36.5	-36.5
5	765 kV	GWALIOR-PHAGI	2	0	1662	0.0	23.6	-23.6
6	765 kV	JABALPUR-ORAI	2	0	1086	0.0	35.1	-35.1
7	765 kV	GWALIOR-ORAI	1	632	0	11.0	0.0	11.0
8	765 kV	SATNA-ORAI	1	0	1100	0.0	22.6	-22.6
9	765 kV	BANASKANTHA-CHITORGARH	2	718	201	4.9	0.0	4.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	3555	0.0	67.3	-67.3
11	400 kV	ZERDA-KANKROLI	1	271	0	3.7	0.0	3.7
12	400 kV	ZERDA -BHINMAL	1	507	0	7.1	0.0	7.1
13	400 kV	VINDHYACHAL -RIHAND	1	962	0	21.7	0.0	21.7
14	400 kV	RAPP-SHUJALPUR	2	0	579	0.0	3.6	-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	94	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	56	4	1.3	0.0	1.3
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	62.3	249.5	-187.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	2400	0	40.3	0.0	40.3
3	765 kV	SOLAPUR-RAICHUR	2	1189	1107	9.4	4.1	5.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2430	0.0	37.5	-37.5
5	400 kV	KOLHAPUR-KUDGI	2	1683	0	29.2	0.0	29.2
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	119	2.4	0.0	2.4
					WR-SR	105.2	41.6	63.6

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)	343	0	261	6.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	320	192	236	5.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	134	0	80	1.9
	NER	132kV GELEPHU-SALAKATI	12	-1	3	0.1
	NER	132kV MOTANGA-RANGIA	-35	-16	-25	-0.6
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-28	-0.7
	ER	NEPAL IMPORT (FROM BIHAR)	-26	0	-3	-0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-80	0	-13	-0.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-938	-929	-934	-22.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-120	0	-107	-2.6