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: 25th 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 24.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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:** **25-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)	52150	58678	44829	23620	3135	182412
Peak Shortage (MW)	1115	0	0	280	0	1395
Energy Met (MU)	1031	1380	1041	514	57	4023
Hydro Gen (MU)	209	53	86	65	27	440
Wind Gen (MU)	15	167	141	-	-	322
Solar Gen (MU)*	99.96	48.23	115.51	5.42	0.67	270
Energy Shortage (MU)	7.43	0.00	0.00	1.10	0.00	8.53
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51810	61784	48762	23948	3156	182575
Time Of Maximum Demand Met (From NLDC SCADA)	22:39	15:48	14:52	20:26	19:11	15:03

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	0.078	0.03	3.93	18.42	22.39	68.00	9.61

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	7247	0	153.7	86.3	-1.3	84	0.00
	Haryana	6847	0	123.0	80.6	1.9	306	0.00
	Rajasthan	12193	0	231.1	77.4	1.4	450	5.24
	Delhi	4462	0	91.1	80.7	-1.3	226	0.00
	UP	18705	0	311.6	127.4	-3.1	540	1.25
	Uttarakhand	1936	0	39.7	24.0	1.2	277	0.52
	HP	1397	0	29.2	10.2	-0.5	42	0.00
	J&K(UT) & Ladakh(UT)	2774	300	46.8	29.4	0.3	303	0.42
	Chandigarh	207	0	4.3	4.9	-0.6	23	0.00
WR	Chhattisgarh	4197	0	97.5	48.5	-1.3	275	0.00
	Gujarat	19524	0	426.6	209.7	-0.7	788	0.00
	MP	10569	0	217.9	122.5	0.0	570	0.00
	Maharashtra	26087	0	577.1	152.4	2.4	875	0.00
	Goa	669	0	14.4	14.1	0.0	37	0.00
	DD	325	0	7.1	6.9	0.2	65	0.00
	DNH	856	0	20.0	19.9	0.1	80	0.00
	AMNSIL	870	0	19.4	10.6	0.6	290	0.00
SR	Andhra Pradesh	9844	0	215.4	74.3	0.9	622	0.00
	Telangana	9007	0	184.3	49.8	1.1	495	0.00
	Karnataka	9143	0	188.2	33.7	-1.1	572	0.00
	Kerala	3793	0	76.1	46.2	-0.6	191	0.00
	Tamil Nadu	16298	0	366.9	187.3	-0.5	909	0.00
	Puducherry	462	0	9.9	9.5	0.4	70	0.00
ER	Bihar	5583	0	105.0	95.5	-2.3	286	0.00
	DVC	3361	0	74.6	-38.2	0.2	260	0.00
	Jharkhand	1467	0	26.8	18.6	-0.4	169	1.10
	Odisha	6128	0	125.6	59.9	-5.1	333	0.00
	West Bengal	8892	0	180.7	56.0	0.5	498	0.00
	Sikkim	103	0	1.6	1.2	0.4	64	0.00
NER	Arunachal Pradesh	146	0	2.6	2.2	0.3	60	0.00
	Assam	2018	0	36.0	29.5	0.4	243	0.00
	Manipur	192	0	2.6	2.6	0.0	22	0.00
	Meghalaya	335	0	6.1	0.4	0.0	46	0.00
	Mizoram	108	0	1.8	1.8	-0.2	14	0.00
	Nagaland	161	0	2.5	2.2	0.1	25	0.00
	Tripura	315	0	5.4	4.6	0.1	56	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.1	-3.8	-24.9
Day Peak (MW)	636.0	-260.9	-1061.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	135.4	-110.2	49.7	-70.8	-3.7	0.5
Actual(MU)	102.2	-96.1	55.8	-66.9	-0.4	-5.3
O/D/U/D(MU)	-33.3	14.1	6.1	3.9	3.3	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5438	15771	7398	2810	638	32055	47
State Sector	13265	14246	7620	1600	97	36828	53
Total	18702	30017	15018	4410	736	68882	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	545	1193	534	556	12	2840	68
Lignite	18	14	60	0	0	91	2
Hydro	209	53	86	65	27	440	11
Nuclear	25	33	40	0	0	97	2
Gas, Naptha & Diesel	15	3	6	0	23	47	1
RES (Wind, Solar, Biomass & Others)	131	216	304	5	1	657	16
Total	942	1511	1029	626	63	4172	100

Share of RES in total generation (%)	13.93	14.27	29.50	0.87	1.07	15.74
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.74	19.93	41.74	11.18	44.80	28.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.075

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: 25-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	351	0.0	8.5	-8.5
2	HVDC	PUSAULI B/B	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	496	141	3.0	0.0	3.0
4	765 kV	SASARAM-FATEHPUR	1	0	258	0.0	2.4	-2.4
5	765 kV	GAYA-BALIA	1	0	516	0.0	6.4	-6.4
6	400 kV	PUSAULI-VARANASI	1	36	63	0.0	0.3	-0.3
7	400 kV	PUSAULI -ALLAHABAD	1	87	70	0.3	0.0	0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	278	475	0.0	1.8	-1.8
9	400 kV	PATNA-BALIA	2	0	527	0.0	8.8	-8.8
10	400 kV	NAUBATPUR-BALIA	2	0	566	0.0	9.0	-9.0
11	400 kV	BIHARSHARIFF-BALIA	2	309	249	0.0	0.0	0.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	346	0.0	3.8	-3.8
13	400 kV	BIHARSHARIFF-VARANASI	2	172	109	0.5	0.0	0.5
14	220 kV	SAHUPURI-KARAMNASA	1	0	134	0.0	1.7	-1.7
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	4.1	42.7	-38.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	30.5	0.0	30.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	919	468	9.5	0.0	9.5
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.2	-3.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	2.9	-2.9
5	400 kV	RANCHI-SIPAT	2	246	110	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	80	61	0.0	0.4	-0.4
7	220 kV	BUDHIPADAR-KORBA	2	174	0	2.5	0.0	2.5
					ER-WR	44.5	6.5	38.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	410	0.0	6.9	-6.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	46.2	-46.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2653	0.0	46.6	-46.6
4	400 kV	TALCHER-I/C	2	0	179	0.0	1.0	-1.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	7	0.0	0.0	0.0
					ER-SR	0.0	99.6	-99.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	369	0.0	4.5	-4.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	503	0.0	4.9	-4.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	102	0.0	1.4	-1.4
					ER-NER	0.0	10.8	-10.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.0	-12.0
					NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	5	1171	15.2	0.0	15.2
2	HVDC	VINDHYACHAL B/B	-	49	169	1.2	0.0	1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	308	0.0	7.3	-7.3
4	765 kV	GWALIOR-AGRA	2	0	1620	0.0	17.8	-17.8
5	765 kV	GWALIOR-PHAGI	2	0	1509	0.0	21.0	-21.0
6	765 kV	JABALPUR-ORAI	2	26	640	0.0	13.1	-13.1
7	765 kV	GWALIOR-ORAI	1	799	0	14.6	0.0	14.6
8	765 kV	SATNA-ORAI	1	0	831	0.0	15.6	-15.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1256	0	19.4	0.0	19.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	2645	0.0	43.3	-43.3
11	400 kV	ZERDA-KANKROLI	1	349	0	6.0	0.0	6.0
12	400 kV	ZERDA -BHINMAL	1	555	0	7.7	0.0	7.7
13	400 kV	VINDHYACHAL -RIHAND	1	966	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUJALPUR	2	352	285	3.2	1.1	2.0
15	220 kV	BHANPURA-RANPUR	1	0	1	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	84	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	61	0	1.5	0.0	1.5
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	91.7	119.1	-27.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	493	0	12.0	0.0	12.0
2	HVDC	RAIGARH-PUGALUR	2	0	608	0.0	14.5	-14.5
3	765 kV	SOLAPUR-RAICHUR	2	1207	1077	8.5	4.6	3.8
4	765 kV	WARDHA-NIZAMABAD	2	0	1953	0.0	28.3	-28.3
5	400 kV	KOLHAPUR-KUDGI	2	1390	0	22.6	0.0	22.6
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	123	2.3	0.0	2.3
					WR-SR	45.4	47.5	-2.1

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)	279	0	195	4.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	251	0	223	5.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	111	0	83	2.0
	NER	132kV GELEPHU-SALAKATI	24	0	5	0.1
	NER	132kV MOTANGA-RANGIA	48	0	36	0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-69	0	-50	-1.2
	ER	NEPAL IMPORT (FROM BIHAR)	-33	-13	-20	-0.5
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-159	0	-87	-2.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-922	-916	-917	-22.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-139	0	-119	-2.9