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: 12th 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 11.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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:** **12-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)	63672	61132	41331	22961	2849	191945
Peak Shortage (MW)	430	0	0	450	0	880
Energy Met (MU)	1489	1499	942	515	51	4497
Hydro Gen (MU)	260	44	57	56	14	430
Wind Gen (MU)	18	96	247	-	-	362
Solar Gen (MU)*	104.77	48.27	41.65	4.84	0.53	200
Energy Shortage (MU)	2.21	6.77	0.00	4.15	0.25	13.38
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67563	67313	41797	23155	2875	196278
Time Of Maximum Demand Met (From NLDC SCADA)	22:37	14:52	11:16	21:21	19:21	14:47

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	0.028	0.00	0.25	5.00	5.25	82.06	12.68

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	9939	0	223.6	120.7	-0.7	177	0.00
	Haryana	9349	0	200.4	127.1	0.6	172	0.00
	Rajasthan	14949	0	307.3	101.5	2.6	467	0.70
	Delhi	6520	0	129.8	113.1	0.1	225	0.00
	UP	24281	0	486.9	205.6	-0.5	464	1.06
	Uttarakhand	2222	0	47.1	27.2	0.4	147	0.00
	HP	1616	0	33.4	9.0	-0.8	51	0.00
	J&K(UT) & Ladakh(UT)	2547	0	53.7	34.1	-1.4	122	0.45
	Chandigarh	327	0	6.4	6.3	0.1	37	0.00
WR	Chhattisgarh	4698	0	109.9	59.2	-2.4	148	0.00
	Gujarat	20519	0	443.0	208.2	0.0	707	0.00
	MP	12341	0	274.5	145.2	-0.6	952	6.77
	Maharashtra	27742	0	609.9	182.6	1.5	699	0.00
	Goa	660	0	15.2	15.0	0.2	51	0.00
	DD	333	0	7.3	7.4	-0.1	45	0.00
	DNH	865	0	20.3	20.3	0.0	51	0.00
	AMNSIL	854	0	18.8	10.0	-0.3	266	0.00
SR	Andhra Pradesh	7070	0	151.7	-11.4	-1.1	666	0.00
	Telangana	8391	0	184.1	90.7	0.9	652	0.00
	Karnataka	10153	0	197.6	21.3	-2.7	564	0.00
	Kerala	3627	0	75.1	56.7	-0.4	243	0.00
	Tamil Nadu	14513	0	324.9	133.0	-3.3	523	0.00
	Puducherry	414	0	8.7	9.2	-0.6	34	0.00
ER	Bihar	5952	198	121.6	109.0	0.2	476	2.61
	DVC	3485	0	77.6	-45.8	0.2	296	0.00
	Jharkhand	1554	0	33.7	24.5	0.5	241	1.54
	Odisha	5494	0	118.3	51.3	0.6	532	0.00
	West Bengal	7950	0	162.6	38.6	-0.6	287	0.00
	Sikkim	113	0	1.7	1.4	0.2	56	0.00
NER	Arunachal Pradesh	132	0	2.2	2.3	-0.2	57	0.00
	Assam	1845	0	32.5	28.3	-1.3	174	0.00
	Manipur	179	0	2.5	2.5	0.0	18	0.00
	Meghalaya	350	0	6.0	2.5	-0.1	70	0.25
	Mizoram	107	0	1.8	1.9	-0.1	4	0.00
	Nagaland	134	0	2.3	2.1	-0.2	12	0.00
	Tripura	235	0	4.1	3.0	-0.5	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	7.8	-7.7	-24.2
Day Peak (MW)	461.0	-486.5	-1016.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	297.3	-132.3	-71.8	-93.2	0.0	0.0
Actual(MU)	294.2	-113.6	-96.0	-88.2	-1.0	-4.6
O/D/U/D(MU)	-3.1	18.7	-24.2	4.9	-0.9	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4309	10038	5928	2830	425	23530	49
State Sector	6814	9373	6429	1800	47	24462	51
Total	11123	19411	12357	4630	472	47993	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	748	1391	577	572	15	3305	72
Lignite	18	16	51	0	0	85	2
Hydro	260	44	57	56	14	430	9
Nuclear	21	33	46	0	0	100	2
Gas, Naptha & Diesel	24	17	9	0	29	79	2
RES (Wind, Solar, Biomass & Others)	146	145	314	5	1	610	13
Total	1218	1646	1053	633	59	4610	100

Share of RES in total generation (%)	12.01	8.80	29.79	0.76	0.90	13.24
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.10	13.46	39.55	9.57	24.11	24.74

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.077

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: 12-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	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	129	329	0.0	0.5	-0.5
4	765 kV	SASARAM-FATEHPUR	1	0	371	0.0	6.5	-6.5
5	765 kV	GAYA-BALIA	1	0	723	0.0	12.9	-12.9
6	400 kV	PUSAULI-VARANASI	1	15	68	0.0	0.2	-0.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	134	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	666	0.0	8.4	-8.4
9	400 kV	PATNA-BALIA	2	0	512	0.0	8.5	-8.5
10	400 kV	NAUBATPUR-BALIA	2	0	546	0.0	9.8	-9.8
11	400 kV	BIHARSHARIFF-BALIA	2	0	548	0.0	7.0	-7.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	451	0.0	7.2	-7.2
13	400 kV	BIHARSHARIFF-VARANASI	2	0	257	0.0	3.2	-3.2
14	220 kV	SAHUPURI-KARAMNASA	1	0	186	0.0	2.9	-2.9
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
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	0.4	67.9	-67.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	0.0	4.5	-4.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1388	0	18.7	0.0	18.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	3.1	0.0	3.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.3	-7.3
5	400 kV	RANCHI-SIPAT	2	291	0	3.0	0.0	3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	101	0.0	1.4	-1.4
7	220 kV	BUDHIPADAR-KORBA	2	100	0	1.4	0.0	1.4
					ER-WR	26.2	13.2	13.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	9.7	-9.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	992	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	1763	0.0	24.1	-24.1
4	400 kV	TALCHER-I/C	2	435	0	9.4	0.0	9.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	57.8	-57.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	101	277	0.0	2.9	-2.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	122	437	0.0	4.7	-4.7
3	220 kV	ALIPURDUAR-SALAKATI	2	16	93	0.0	1.1	-1.1
					ER-NER	0.0	8.7	-8.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1005	0.0	10.2	-10.2
					NER-NR	0.0	10.2	-10.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4020	0.0	62.7	-62.7
2	HVDC	VINDHYACHAL B/B	-	183	52	4.2	0.2	4.1
3	HVDC	MUNDRA-MOHINDERGARH	2	301	0	7.1	0.0	7.1
4	765 kV	GWALIOR-AGRA	2	0	2431	0.0	41.5	-41.5
5	765 kV	GWALIOR-PHAGI	2	0	1750	0.0	29.0	-29.0
6	765 kV	JABALPUR-ORAI	2	0	1149	0.0	39.6	-39.6
7	765 kV	GWALIOR-ORAI	1	676	0	13.0	0.0	13.0
8	765 kV	SATNA-ORAI	1	0	1062	0.0	22.5	-22.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1002	309	4.5	0.0	4.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	3813	0.0	73.9	-73.9
11	400 kV	ZERDA-KANKROLI	1	225	32	2.0	0.0	2.0
12	400 kV	ZERDA -BHINMAL	1	388	114	2.8	0.0	2.8
13	400 kV	VINDHYACHAL -RIHAND	1	959	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	58	594	0.0	6.5	-6.5
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	80	4	0.4	0.0	0.4
18	220 kV	MALANPUR-AURAIYA	1	41	24	1.2	0.0	1.2
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	57.2	275.8	-218.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	2875	0	55.2	0.0	55.2
3	765 kV	SOLAPUR-RAICHUR	2	2083	596	23.4	0.4	23.0
4	765 kV	WARDHA-NIZAMABAD	2	0	1900	0.0	21.1	-21.1
5	400 kV	KOLHAPUR-KUDGI	2	1777	0	34.4	0.0	34.4
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	139.5	21.5	117.9

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)	161	0	138	3.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	194	158	170	4.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	97	0	49	1.2
	NER	132kV GELEPHU-SALAKATI	11	0	4	0.1
	NER	132kV MOTANGA-RANGIA	41	12	27	0.7
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-71	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-53	-15	-30	-0.7
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-354	-98	-221	-5.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-916	-904	-909	-21.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-100	0	-101	-2.4