



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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 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., डोंगतेह, 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 10.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-मई-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध 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 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: 11-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)	62721	61088	41078	22606	2894	190387
Peak Shortage (MW)	818	0	0	542	0	1360
Energy Met (MU)	1447	1494	968	516	52	4476
Hydro Gen (MU)	246	34	64	56	11	411
Wind Gen (MU)	27	100	222	-	-	349
Solar Gen (MU)*	108.73	48.89	89.92	4.89	0.52	253
Energy Shortage (MU)	9.12	4.92	0.00	3.91	0.80	18.75
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65615	65638	43148	22916	2918	194780
Time Of Maximum Demand Met (From NLDC SCADA)	14:59	14:49	11:47	22:27	19:04	14:54

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	0.052	0.00	1.53	13.11	14.64	75.44	9.92

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	10320	0	225.2	120.8	-1.0	197	0.00
	Haryana	9277	0	191.8	119.0	-0.1	265	2.72
	Rajasthan	14654	0	288.7	84.1	3.5	403	4.12
	Delhi	6189	0	125.9	109.7	-1.2	205	0.00
	UP	23890	170	482.8	202.3	-0.6	396	1.79
	Uttarakhand	2036	0	44.1	27.1	-1.1	252	0.00
	HP	1547	0	32.4	10.1	-0.5	61	0.00
	J&K(UT) & Ladakh(UT)	2481	85	49.7	30.8	-2.1	128	0.49
WR	Chandigarh	320	0	6.2	6.1	0.1	30	0.00
	Chhattisgarh	4760	0	110.9	58.6	-1.6	175	0.00
	Gujarat	20306	0	442.5	204.0	3.0	723	0.00
	MP	12080	0	273.8	144.3	0.0	927	4.92
	Maharashtra	26444	0	606.3	195.9	0.4	731	0.00
	Goa	689	0	15.4	15.0	0.4	42	0.00
	DD	322	0	5.7	6.1	-0.4	65	0.00
	DNH	885	0	20.5	20.4	0.1	63	0.00
SR	AMNSIL	855	0	18.7	9.7	-0.2	226	0.00
	Andhra Pradesh	7779	0	166.5	5.4	-3.1	493	0.00
	Telangana	9374	0	190.7	81.1	0.3	647	0.00
	Karnataka	10291	0	210.3	31.3	-1.9	713	0.00
	Kerala	3879	0	80.9	62.5	-0.3	218	0.00
	Tamil Nadu	14462	0	310.7	148.3	-4.2	870	0.00
	Puducherry	451	0	8.8	9.5	-0.7	51	0.00
	ER	Bihar	5930	355	117.6	105.9	0.3	421
DVC		3507	0	76.8	-41.1	-0.2	230	0.00
Jharkhand		1469	0	33.0	23.1	0.6	162	2.11
Odisha		5787	0	125.4	48.6	0.7	579	0.00
West Bengal		7836	0	161.7	36.7	0.2	222	0.00
Sikkim		111	0	1.6	1.5	0.1	49	0.00
NER	Arunachal Pradesh	137	0	2.2	2.2	0.0	52	0.00
	Assam	1854	0	33.4	28.7	-0.7	142	0.00
	Manipur	178	0	2.5	2.6	-0.1	15	0.00
	Meghalaya	333	0	5.1	2.9	0.1	62	0.80
	Mizoram	107	0	1.9	1.8	0.0	22	0.00
	Nagaland	148	0	2.3	2.3	-0.1	17	0.00
	Tripura	241	0	4.5	3.0	-0.3	33	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	8.0	-8.0	-24.6
Day Peak (MW)	504.0	-470.2	-1041.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	265.4	-138.0	-30.4	-98.9	1.7	0.0
Actual(MU)	260.4	-111.3	-62.2	-93.1	0.8	-5.4
OD/UD(MU)	-5.0	26.6	-31.8	5.8	-0.9	-5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3721	10910	6878	2830	575	24914	49
State Sector	6679	10568	7239	1550	47	26082	51
Total	10399	21478	14117	4380	622	50996	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	741	1386	567	580	15	3289	72
Lignite	18	16	53	0	0	86	2
Hydro	246	34	64	56	11	411	9
Nuclear	24	33	46	0	0	103	2
Gas, Naptha & Diesel	26	18	8	0	29	82	2
RES (Wind, Solar, Biomass & Others)	159	149	307	5	1	621	14
Total	1213	1636	1045	640	56	4591	100

Share of RES in total generation (%)	13.12	9.12	29.36	0.77	0.93	13.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	35.33	13.22	39.84	9.51	20.93	24.70

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.083

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-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	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	347	228	1.8	0.0	1.8
4	765 kV	SASARAM-FATEHPUR	1	0	428	0.0	5.9	-5.9
5	765 kV	GAYA-BALIA	1	0	666	0.0	12.1	-12.1
6	400 kV	PUSAULI-VARANASI	1	16	53	0.0	0.4	-0.4
7	400 kV	PUSAULI-ALLAHABAD	1	12	117	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	111	553	0.0	6.7	-6.7
9	400 kV	PATNA-BALIA	2	0	503	0.0	8.3	-8.3
10	400 kV	NAUBATPUR-BALIA	2	0	538	0.0	8.4	-8.4
11	400 kV	BHARSHARIFF-BALIA	2	0	461	0.0	6.0	-6.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	398	0.0	6.1	-6.1
13	400 kV	BHARSHARIFF-VARANASI	2	40	214	0.0	2.4	-2.4
14	220 kV	SAHUPUR-KARMANASA	1	0	161	0.0	2.7	-2.7
15	132 kV	NAGAR UNTARI-BIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-BIHAND	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						2.2	60.1	-57.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	0.0	3.5	-3.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1174	0	14.8	0.0	14.8
3	765 kV	JHARSUGUDA-DURG	2	0	314	2.4	0.0	2.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.1	-7.1
5	400 kV	RANCHI-SIPAT	2	249	31	2.4	0.0	2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	114	0.0	1.8	-1.8
7	220 kV	BUDHIPADAR-KORBA	2	96	0	1.2	0.0	1.2
ER-WR						20.7	12.4	8.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	448	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1341	0.0	32.2	-32.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	1774	0.0	27.1	-27.1
4	400 kV	TALCHER-J/C	2	572	0	6.8	0.0	6.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						0.0	69.2	-69.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	284	0.0	4.5	-4.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	476	0.0	6.8	-6.8
3	220 kV	ALIPURDUAR-SALAKATI	2	2	86	0.0	1.3	-1.3
ER-NER						0.0	12.6	-12.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3523	0.0	74.5	-74.5
2	HVDC	VINDHYACHAL B/B	-	185	0	4.8	0.0	4.8
3	HVDC	MUNDRU-MOHINDERGARH	2	495	0	10.4	0.0	10.4
4	765 kV	GWALIOR-AGRA	2	0	1955	0.0	33.7	-33.7
5	765 kV	GWALIOR-PHAGI	2	0	1601	0.0	24.6	-24.6
6	765 kV	JABALPUR-ORAI	2	0	941	0.0	33.5	-33.5
7	765 kV	GWALIOR-ORAI	1	660	0	12.7	0.0	12.7
8	765 kV	SATNA-ORAI	1	0	1028	0.0	21.5	-21.5
9	765 kV	BANASKANTHA-CHITORGARH	2	935	127	8.0	0.0	8.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	3730	0.0	70.5	-70.5
11	400 kV	ZERDA-KANKROLI	1	256	0	3.1	0.0	3.1
12	400 kV	ZERDA-BHINMAL	1	458	0	5.4	0.0	5.4
13	400 kV	VINDHYACHAL -RIHAND	1	959	0	22.1	0.0	22.1
14	400 kV	KAPP-SHUALPUR	2	201	403	0.7	4.0	-3.4
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	91	0	0.6	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	52	0	1.4	0.0	1.4
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						69.1	262.3	-193.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	23.1	0.0	23.1
2	HVDC	RAIGARH-PUGALUR	2	2398	0	34.8	0.0	34.8
3	765 kV	SOLAPUR-RAICHUR	2	1917	497	19.7	0.8	18.8
4	765 kV	WARDHA-NIZAMABAD	2	0	1665	0.0	21.1	-21.1
5	400 kV	KOLHAPUR-KUDGI	2	1645	0	31.9	0.0	31.9
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	124	2.5	0.0	2.5
WR-SR						112.0	22.0	90.0
INTERNATIONAL EXCHANGES								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	193	0	148	3.5		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*150MW)	247	0	193	4.6		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	80	0	23	0.6		
	NER	132kV GELEPHU-SALAKATI	23	0	8	0.2		
	NER	132kV MOTANGA-RANGIA	31	0	21	0.5		
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-72	-1.7		
	ER	NEPAL IMPORT (FROM BIHAR)	-31	-20	-29	-0.7		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-359	-64	-232	-5.6		
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-917	-923	-22.1		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-114	0	-101	-2.4		