



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: 27th 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., 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 26.04.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-अप्रैल-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 26th 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: 27-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)	53348	62370	47551	23557	2703	189529
Peak Shortage (MW)	5890	0	487	1789	56	8222
Energy Met (MU)	1231	1513	1148	556	50	4498
Hydro Gen (MU)	175	45	99	67	7	393
Wind Gen (MU)	11	92	27	-	-	129
Solar Gen (MU)*	102.30	53.97	112.09	5.38	0.50	274
Energy Shortage (MU)	90.52	1.54	4.88	22.26	0.87	120.07
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54659	67603	55239	24328	2884	201066
Time Of Maximum Demand Met (From NLDC SCADA)	10:20	15:33	11:53	23:12	18:44	14:51

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	0.348	13.45	14.37	24.16	51.98	41.13	6.89

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	8131	500	165.5	63.4	-0.5	99	4.80
	Haryana	7290	445	157.4	85.5	-0.5	139	7.75
	Rajasthan	12346	629	254.4	66.8	-0.3	305	48.31
	Delhi	5602	0	113.9	90.0	-1.7	164	0.00
	UP	18757	0	419.2	169.6	-0.1	531	19.80
	Uttarakhand	2203	0	43.9	29.3	0.3	192	1.94
	HP	1586	0	31.6	14.0	1.7	553	1.64
	J&K(UT) & Ladakh(UT)	1906	0	39.4	26.3	0.9	218	6.28
	Chandigarh	276	0	5.4	5.1	0.4	44	0.00
	Chhattisgarh	4964	0	118.1	55.3	0.0	224	1.54
WR	Gujarat	20535	0	440.0	208.1	-3.3	635	0.00
	MP	12301	0	279.1	142.7	-0.1	429	0.00
	Maharashtra	27834	0	615.2	200.5	-3.4	684	0.00
	Goa	699	0	13.5	12.8	0.3	63	0.00
	DD	347	0	7.6	7.6	0.0	26	0.00
	DNH	873	0	20.4	20.1	0.3	73	0.00
	AMNSIL	845	0	17.9	11.6	-0.7	230	0.00
	Andhra Pradesh	11400	0	209.5	80.8	0.2	659	2.93
	Telangana	10621	0	214.8	83.7	0.4	445	0.00
	Karnataka	12815	0	246.4	47.5	0.7	698	0.30
SR	Kerala	4335	50	90.6	58.6	-0.2	272	1.17
	Tamil Nadu	16919	0	376.7	229.0	1.9	535	0.48
	Puducherry	454	0	9.8	10.0	-0.3	32	0.00
	Bihar	5423	0	123.5	110.6	1.0	416	11.52
	DVC	3500	0	77.1	-47.7	0.9	283	1.68
	Jharkhand	1399	0	28.2	18.8	-0.2	248	6.30
	Odisha	5538	0	116.1	40.9	1.3	549	2.76
	West Bengal	9880	0	209.8	86.5	2.3	494	0.00
	Sikkim	105	0	1.4	1.4	0.0	76	0.00
	ER	Arunachal Pradesh	138	0	2.2	2.2	0.0	42
Assam		1705	0	30.0	24.3	0.0	95	0.67
Manipur		199	0	2.6	2.5	0.1	46	0.00
Meghalaya		361	0	5.5	3.0	0.0	62	0.20
Mizoram		117	0	1.8	1.8	0.0	34	0.00
Nagaland		139	0	2.4	2.2	0.2	12	0.00
Tripura		312	0	5.5	4.8	0.3	80	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	7.9	-9.7	-26.1
Day Peak (MW)	530.0	-142.2	-1107.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.6	-166.6	100.2	-82.3	3.1	0.0
Actual(MU)	139.8	-196.1	97.4	-71.3	2.0	-28.3
O/D/U/D(MU)	-5.9	-29.5	-2.8	11.0	-1.1	-28.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4104	13053	5918	1920	935	25929	48
State Sector	10058	11531	4317	1950	47	27902	52
Total	14161	24583	10235	3870	982	53832	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	738	1459	682	597	17	3492	76
Lignite	11	14	52	0	0	77	2
Hydro	175	45	99	67	7	393	9
Nuclear	22	33	46	0	0	100	2
Gas, Naptha & Diesel	30	16	16	0	29	90	2
RES (Wind, Solar, Biomass & Others)	139	147	170	5	1	461	10
Total	1113	1713	1065	669	53	4613	100

Share of RES in total generation (%)	12.46	8.55	15.94	0.80	0.94	9.99
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.12	13.08	29.58	10.74	14.21	20.67

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.054

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: 27-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	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	190	309	0.0	2.5	-2.5
4	765 kV	SASARAM-FATEHPUR	1	0	403	0.0	8.1	-8.1
5	765 kV	GAYA-BALIA	1	0	353	0.0	6.5	-6.5
6	400 kV	PUSAULI-VARANASI	1	0	73	0.0	1.1	-1.1
7	400 kV	PUSAULI-ALLAHABAD	1	0	127	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	731	0.0	10.3	-10.3
9	400 kV	PATNA-BALIA	2	0	438	0.0	7.4	-7.4
10	400 kV	NAUBATPUR-BALIA	2	0	412	0.0	9.5	-9.5
11	400 kV	BHARSHARIFF-BALIA	2	100	266	0.0	2.1	-2.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BHARSHARIFF-VARANASI	2	13	229	0.0	3.0	-3.0
14	220 kV	SATIPTRI-KARMANASA	1	0	126	0.0	2.3	-2.3
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						0.3	54.3	-54.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	12.5	0.0	12.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	867	0	11.9	0.0	11.9
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.7	0.0	0.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.4	-4.4
5	400 kV	RANCHI-SIPAT	2	145	46	1.1	0.0	1.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	164	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	94	0	1.0	0.0	1.0
ER-WR						27.1	6.6	20.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	346	0.0	7.5	-7.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1919	0.0	38.9	-38.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2313	0.0	45.3	-45.3
4	400 kV	TALCHER-I/C	2	910	38	6.4	0.0	6.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						0.0	91.7	-91.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	291	0	3.4	0.0	3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	381	0	5.0	0.0	5.0
3	220 kV	ALIPURDUAR-SALAKATI	2	73	21	0.7	0.0	0.7
ER-NER						9.1	0.0	9.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	461	0	11.0	0.0	11.0
NER-NR						11.0	0.0	11.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	508	0.0	12.1	-12.1
2	HVDC	VINDHYACHAL B/B	-	272	0	7.3	0.0	7.3
3	HVDC	MUNDRU-MOHINDERGARH	2	482	0	0.0	11.5	-11.5
4	765 kV	GWALIOR-AGRA	2	0	1703	0.0	32.1	-32.1
5	765 kV	GWALIOR-PHAGI	2	0	1215	0.0	17.3	-17.3
6	765 kV	JABALPUR-ORAI	2	0	660	0.0	24.4	-24.4
7	765 kV	GWALIOR-ORAI	1	751	0	12.5	0.0	12.5
8	765 kV	SATNA-ORAI	1	0	939	0.0	20.2	-20.2
9	765 kV	BANASKANTHA-CHITORGARH	2	834	168	6.9	0.0	6.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	2506	0.0	49.7	-49.7
11	400 kV	ZERDA-KANKROLI	1	239	0	3.0	0.0	3.0
12	400 kV	ZERDA-BHINMAL	1	428	82	2.4	0.0	2.4
13	400 kV	VINDHYACHAL -RIHAND	1	486	0	10.9	0.0	10.9
14	400 kV	KAPP-SHUALPUR	2	300	223	0.0	0.5	-0.5
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	112	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	71	0	1.6	0.0	1.6
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAIGHAT-LALITPUR	2	0	0	11.7	0.0	11.7
WR-NR						57.1	167.8	-110.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	999	0.0	18.3	-18.3
3	765 kV	SOLAPUR-RAICHUR	2	283	1233	0.0	11.2	-11.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2214	0.0	37.3	-37.3
5	400 kV	KOLHAPUR-KUDGI	2	1308	0	23.6	0.0	23.6
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	124	2.3	0.0	2.3
WR-SR						25.8	78.8	-53.0
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)	340	179	182	4.4		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*150MW)	218	0	165	4.0		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	24	0	3	0.1		
	NER	132kV GELEPHU-SALAKATI	11	0	4	0.1		
	NER	132kV MOTANGA-RANGIA	-35	-7	-23	-0.6		
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-70	-1.7		
	ER	NEPAL IMPORT (FROM BIHAR)	-317	-49	-156	-3.7		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	254	68	-177	-4.2		
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-947	-931	-940	-22.6		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-160	0	-147	-3.5		