



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: 13th 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 12.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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: 13-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)	63331	59963	41902	23692	2777	191665
Peak Shortage (MW)	340	0	0	447	0	787
Energy Met (MU)	1518	1496	939	521	51	4525
Hydro Gen (MU)	293	31	52	62	19	458
Wind Gen (MU)	31	150	228	-	-	408
Solar Gen (MU)*	104.83	50.02	61.30	4.37	0.52	221
Energy Shortage (MU)	0.60	2.38	0.00	3.48	0.00	6.46
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68415	66876	44089	23939	2791	199874
Time Of Maximum Demand Met (From NLDC SCADA)	12:50	15:15	11:59	22:50	18:59	15:32

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	0.027	0.00	0.00	1.35	1.35	71.09	27.55

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	10614	0	232.0	131.7	-0.8	126	0.00
	Haryana	9806	0	207.7	134.9	-0.5	232	0.00
	Rajasthan	15306	0	302.8	95.6	-1.0	334	0.15
	Delhi	6752	0	136.2	123.3	-1.2	231	0.00
	UP	23876	170	500.2	218.7	-0.7	643	0.25
	Uttarakhand	2191	0	46.1	26.5	-1.1	91	0.00
	HP	1592	0	32.7	5.5	-0.7	85	0.00
	J&K(UT) & Ladakh(UT)	2307	0	53.1	32.7	-0.9	432	0.20
WR	Chhattisgarh	366	0	6.8	7.1	-0.3	35	0.00
	Chhattisgarh	4722	0	111.4	58.9	-1.9	219	0.00
	Gujarat	20769	0	444.4	205.8	0.0	821	0.00
	MP	12278	0	278.5	152.7	0.0	990	2.38
	Maharashtra	27087	0	601.7	178.9	-1.5	823	0.00
	Goa	679	0	14.7	14.7	0.0	30	0.00
	DD	338	0	7.6	7.5	0.1	46	0.00
	DNH	852	0	19.0	19.2	-0.2	51	0.00
SR	AMNSIL	846	0	18.8	9.6	0.1	256	0.00
	Andhra Pradesh	7452	0	161.4	1.6	-0.6	867	0.00
	Telangana	8926	0	183.2	81.2	0.8	499	0.00
	Karnataka	9416	0	188.5	5.1	-3.4	581	0.00
	Kerala	3554	0	73.7	55.4	0.2	312	0.00
	Tamil Nadu	15146	0	323.6	154.9	-3.5	669	0.00
	Puducherry	401	0	8.7	9.2	-0.6	27	0.00
ER	Bihar	6038	580	117.4	107.7	-0.5	427	1.95
	DVC	3647	0	77.0	-38.8	2.6	930	0.47
	Jharkhand	1555	0	34.0	25.1	0.2	234	1.07
	Odisha	5737	0	121.6	55.0	-1.5	442	0.00
	West Bengal	8480	0	169.8	45.9	0.2	395	0.00
NER	Sikkim	112	0	1.7	1.5	0.2	54	0.00
	Arunachal Pradesh	139	0	2.3	2.7	-0.4	6	0.00
	Assam	1765	0	32.1	26.5	-0.6	85	0.00
	Manipur	175	0	2.4	2.6	-0.2	6	0.00
	Meghalaya	328	0	5.9	2.2	-0.1	35	0.00
	Mizoram	112	0	1.8	1.9	-0.1	6	0.00
	Nagaland	135	0	2.4	1.9	0.0	8	0.00
Trinura	230	0	3.9	3.0	-0.4	32	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.8	-3.2	-23.9
Day Peak (MW)	671.0	58.1	-1029.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	300.3	-159.7	-61.8	-74.3	-4.5	0.0
Actual(MU)	295.4	-136.7	-81.8	-75.4	-5.0	-3.6
O/D/U/D(MU)	-5.0	23.0	-20.0	-1.1	-0.5	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4109	9698	5428	2830	459	22524	47
State Sector	6679	9843	6845	2390	47	25803	53
Total	10788	19540	12273	5220	506	48327	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	731	1365	566	560	12	3235	70
Lignite	21	16	49	0	0	85	2
Hydro	293	31	52	62	19	458	10
Nuclear	21	33	46	0	0	100	2
Gas, Naptha & Diesel	22	20	9	0	29	80	2
RES (Wind, Solar, Biomass & Others)	159	201	313	4	1	678	15
Total	1246	1666	1035	627	61	4635	100
Share of RES in total generation (%)	12.75	12.04	30.29	0.69	0.85	14.62	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.92	15.88	39.78	10.63	32.46	26.65	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.069

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: 13-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	2	3	0	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	278	168	0.1	0.0	0.1	
4	765 kV	SASARAM-FATEHPUR	1	0	281	0.0	5.3	-5.3	
5	765 kV	GAYA-BALIA	1	0	741	0.0	12.7	-12.7	
6	400 kV	PUSAULI-VARANASI	1	55	5	0.3	0.0	0.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	107	0.0	0.7	-0.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	530	0.0	8.3	-8.3	
9	400 kV	PATNA-BALIA	2	0	485	0.0	9.0	-9.0	
10	400 kV	NAUBATPUR-BALIA	2	0	524	0.0	9.4	-9.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	439	0.0	5.9	-5.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	393	0.0	7.0	-7.0	
13	400 kV	BIHARSHARIFF-VARANASI	2	47	200	0.0	1.6	-1.6	
14	220 kV	SADUPUR-KARMANASA	1	0	155	0.0	2.8	-2.8	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.4	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	0.8	62.7	-61.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	2.6	0.0	2.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1512	0	22.6	0.0	22.6	
3	765 kV	JHARSUGUDA-DURG	2	0	314	4.4	0.0	4.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	5.6	-5.6	
5	400 kV	RANCHI-SIPAT	2	343	0	3.9	0.0	3.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	100	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	117	0	1.6	0.0	1.6	
						ER-WR	35.2	6.8	28.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	338	0.0	7.3	-7.3	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	32.4	-32.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1909	0.0	29.3	-29.3	
4	400 kV	TALCHER-I/C	2	892	695	6.0	0.0	6.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	69.0	-69.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	78	402	0.0	3.1	-3.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	67	671	0.0	6.1	-6.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	16	125	0.0	1.0	-1.0	
						ER-NER	0.0	10.3	-10.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1006	0.0	15.3	-15.3	
						NER-NR	0.0	15.3	-15.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPACKURUKSHETRA	2	0	2007	0.0	48.2	-48.2	
2	HVDC	VINDHYACHAL B/B	2	272	0	2.4	0.0	2.4	
3	HVDC	MUNDRA-MOHINDERGARH	2	300	0	3.7	0.0	3.7	
4	765 kV	GWALIOR-AGRA	2	0	2322	0.0	43.5	-43.5	
5	765 kV	GWALIOR-PHAGI	2	0	1778	0.0	27.3	-27.3	
6	765 kV	JABALPUR-ORAI	2	0	1149	0.0	40.0	-40.0	
7	765 kV	GWALIOR-ORAI	1	650	0	12.3	0.0	12.3	
8	765 kV	SATNA-ORAI	1	0	1056	0.0	22.7	-22.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	607	465	0.0	3.1	-3.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3722	0.0	76.4	-76.4	
11	400 kV	ZERDA-KANKROLI	1	202	28	1.5	0.0	1.5	
12	400 kV	ZERDA-BHINMAL	1	354	67	3.8	0.0	3.8	
13	400 kV	VINDHYACHAL-RIHAND	1	956	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHULPUR	2	150	553	0.0	6.0	-6.0	
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	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	40	13	1.9	0.0	1.9	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	48.5	267.1	-218.7
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2870	0	53.1	0.0	53.1	
3	765 kV	SOIAPUR-RAICHUR	2	2066	610	21.7	0.0	21.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	1928	0.0	24.9	-24.9	
5	400 kV	KOLHAPUR-KUDCI	2	1747	0	34.2	0.0	34.2	
6	220 kV	KOLHAPUR-CHIKODI	1	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	122	2.3	0.0	2.3	
						WR-SR	135.3	24.9	110.4
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)	390	0	239	5.7			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	200	140	160	3.8			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	86	45	52	1.2			
	NER	132KV GELEPHU-SALAKATI	-22	-1	-11	-0.3			
	NER	132KV MOTANGA-RANGIA	-40	-20	-30	-0.7			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-66	-1.6			
	ER	NEPAL IMPORT (FROM BHAR)	-44	-28	36	0.9			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	179	75	-104	-2.5			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-919	-776	-893	-21.4			
		132KV COMILLA-SURAJMANI NAGAR 1&2	-110	0	-103	-2.5			