



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: 10th 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 09.05.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-मई-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 9th 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: 10-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)	61002	61877	43288	22157	3018	191342
Peak Shortage (MW)	455	0	0	299	0	754
Energy Met (MU)	1405	1490	1027	514	54	4489
Hydro Gen (MU)	228	31	63	53	14	390
Wind Gen (MU)	38	104	158	-	-	301
Solar Gen (MU)*	107.11	50.21	91.05	5.69	0.79	255
Energy Shortage (MU)	5.28	5.52	0.00	3.12	0.53	14.45
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63583	66568	47347	23081	3048	198045
Time Of Maximum Demand Met (From NLDC SCADA)	22:47	15:45	11:59	00:37	19:48	14:48

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	0.031	0.00	0.00	4.63	4.63	76.38	18.99

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	9313	0	201.5	101.5	-0.3	142	0.00
	Haryana	8721	131	185.7	114.0	1.1	284	3.08
	Rajasthan	14746	0	290.3	68.8	-1.0	462	0.00
	Delhi	6057	0	122.4	106.0	-1.3	171	0.00
	UP	23338	90	472.8	189.9	2.6	571	1.15
	Uttarakhand	2169	0	45.6	28.1	0.2	143	0.14
	HP	1643	0	33.3	11.6	-0.9	58	0.00
	J&K(UT) & Ladakh(UT)	2444	0	47.0	33.8	-1.5	245	0.91
WR	Chhattisgarh	313	0	6.0	5.7	0.3	41	0.00
	Chhattisgarh	4712	0	112.1	56.1	-0.4	370	0.00
	Gujarat	20395	0	438.8	209.4	1.6	664	0.00
	MP	12137	0	269.1	145.7	0.0	843	5.52
	Maharashtra	27287	0	608.9	196.1	3.1	1326	0.00
	Goa	682	0	15.2	14.6	0.2	95	0.00
	DD	348	0	7.1	7.8	-0.7	30	0.00
	DNH	872	0	20.2	20.3	-0.1	71	0.00
SR	AMNSIL	824	0	18.4	8.6	0.3	262	0.00
	Andhra Pradesh	9746	0	187.0	49.6	-3.8	482	0.00
	Telangana	9531	0	193.9	80.9	-1.1	566	0.00
	Karnataka	10467	0	212.2	36.5	-1.4	799	0.00
	Kerala	4031	0	84.5	64.0	0.2	182	0.00
	Tamil Nadu	15798	0	339.8	176.8	-4.9	773	0.00
	Puducherry	451	0	9.3	9.6	-0.4	30	0.00
	Bihar	5582	0	113.3	104.4	-0.2	323	0.43
ER	DVC	3709	0	78.2	-40.3	1.0	251	0.00
	Jharkhand	1452	0	32.3	22.2	0.9	270	2.69
	Odisha	5970	0	127.4	50.7	-2.0	402	0.00
	West Bengal	8162	0	161.3	40.8	-2.0	255	0.00
	Sikkim	104	0	1.6	1.5	0.1	38	0.00
	Arunachal Pradesh	141	0	2.3	2.5	-0.3	31	0.00
	Assam	1997	0	35.2	29.0	-0.4	91	0.00
	Manipur	186	0	2.5	2.4	0.1	23	0.00
NER	Meghalaya	319	0	5.0	2.9	0.1	66	0.53
	Mizoram	110	0	1.8	1.8	-0.1	27	0.00
	Nagaland	151	0	2.3	2.3	-0.1	15	0.00
	Tripura	281	0	5.0	3.7	-0.3	45	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.9	-8.4	-24.6
Day Peak (MW)	410.0	-349.4	-1037.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	225.6	-155.7	35.3	-106.2	1.0	0.0
Actual(MU)	228.7	-126.4	-0.8	-105.3	-0.7	-4.5
O/D/U/D(MU)	3.1	29.4	-36.1	0.9	-1.7	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3809	10699	5878	1500	575	22461	45
State Sector	6814	11938	6139	2300	47	27237	55
Total	10623	22636	12017	3800	622	49698	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	734	1390	599	603	15	3341	73
Lignite	17	16	49	0	0	82	2
Hydro	228	31	63	53	14	390	8
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	25	17	9	0	29	79	2
RES (Wind, Solar, Biomass & Others)	169	154	277	6	1	607	13
Total	1198	1641	1042	661	60	4602	100
Share of RES in total generation (%)	14.11	9.41	26.59	0.85	1.33	13.19	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.25	13.31	37.05	8.82	25.42	23.91	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.082

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: 10-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	4	0	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	105	256	0.0	1.9	-1.9	
4	765 kV	SASARAM-FATEHPUR	1	0	370	0.0	7.2	-7.2	
5	765 kV	GAYA-BALIA	1	0	630	0.0	11.8	-11.8	
6	400 kV	PUSAULI-VARANASI	1	0	60	0.0	0.6	-0.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	141	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	15	636	0.0	7.7	-7.7	
9	400 kV	PATNA-BALIA	2	0	563	0.0	10.8	-10.8	
10	400 kV	NAUBATPUR-BALIA	2	0	608	0.0	11.9	-11.9	
11	400 kV	BIHARSHARIFF-BALIA	2	1418	485	0.0	5.8	-5.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	493	0.0	8.2	-8.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	226	0.0	3.3	-3.3	
14	220 kV	SINPUR-BIKARANMANSI	1	0	159	0.0	2.7	-2.7	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.4	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	21	0.3	0.0	0.3	
18	132 kV	KARMANASA-CHANDAULI	1	0	17	0.0	0.0	0.0	
						ER-NR	0.7	73.8	-73.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	6.7	0.0	6.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	994	0	13.4	0.0	13.4	
3	765 kV	JHARSUGUDA-DURG	2	0	314	3.6	0.0	3.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.3	-7.3	
5	400 kV	RANCHI-SIPAT	2	198	24	2.4	0.0	2.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	121	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	2	109	0	1.4	0.0	1.4	
						ER-WR	27.4	9.3	18.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	443	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	39.0	-39.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1969	0.0	35.2	-35.2	
4	400 kV	TALCHER-I/C	2	919	183	6.0	0.0	6.0	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	84.1	-84.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	6	298	0.0	3.7	-3.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	513	0.0	5.6	-5.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	6	95	0.0	1.3	-1.3	
						ER-NER	0.0	10.6	-10.6
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	0	2516	0.0	54.5	-54.5	
2	HVDC	VINDHYACHAL B/B	2	450	0	8.5	0.0	8.5	
3	HVDC	MUNDRA-MOHENDERGARH	2	726	0	17.5	0.0	17.5	
4	765 kV	GWALIOR-AGRA	2	0	2010	0.0	33.8	-33.8	
5	765 kV	GWALIOR-PHAGI	2	0	1551	0.0	20.9	-20.9	
6	765 kV	JABALPUR-ORAI	2	0	884	0.0	30.9	-30.9	
7	765 kV	GWALIOR-ORAI	1	649	0	11.4	0.0	11.4	
8	765 kV	SATNA-ORAI	1	0	1025	0.0	21.8	-21.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	854	6	8.1	0.0	8.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3327	0.0	64.3	-64.3	
11	400 kV	ZERDA-KANKROLI	1	259	0	3.7	0.0	3.7	
12	400 kV	ZERDA-JBHINMAL	1	617	0	7.7	0.0	7.7	
13	400 kV	VINDHYACHAL-RIHAND	1	967	0	21.7	0.0	21.7	
14	400 kV	RAPP-SHILAIIPUR	2	249	341	1.3	2.4	-1.2	
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	96	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	65	5	1.5	0.0	1.5	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	82.0	228.7	-146.7
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	317	515	0.0	2.4	-2.4	
2	HVDC	RAIGARH-PUGALUR	2	1927	0	27.8	0.0	27.8	
3	765 kV	SOLAPUR-RAICHUR	2	1664	911	9.2	2.4	6.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	1790	0.0	23.8	-23.8	
5	400 kV	KOLHAPUR-KUDCI	2	1623	0	27.7	0.0	27.7	
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	128	2.5	0.0	2.5	
						WR-SR	67.1	28.6	38.5
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)	185	0	146	3.5			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	272	207	216	5.2			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	108	0	73	1.7			
	NER	132kV GELEPHU-SALAKATI	22	0	8	0.2			
	NER	132kV MOTANGA-RANGIA	33	0	13	0.3			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-68	-1.6			
	ER	NEPAL IMPORT (FROM BIHAR)	54	21	-42	-1.0			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-326	-55	-242	-5.8			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-925	-922	-923	-22.1			
	NER	132kV COMILLA-SURAJMANNAGAR 1&2	-112	0	-103	-2.5			