



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: 03rd 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 02.05.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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: 03-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)	60500	60537	46093	21947	2467	191544
Peak Shortage (MW)	1285	0	0	488	0	1773
Energy Met (MU)	1395	1487	1102	461	44	4490
Hydro Gen (MU)	212	38	67	58	14	388
Wind Gen (MU)	62	136	102	-	-	300
Solar Gen (MU)*	96.46	53.43	113.76	5.38	0.35	269
Energy Shortage (MU)	23.91	0.00	0.00	2.65	0.00	26.56
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62344	67865	53642	22267	2527	204453
Time Of Maximum Demand Met (From NLDC SCADA)	15:19	14:54	14:55	19:27	18:38	15:26

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	0.062	0.00	1.54	13.53	15.07	66.35	18.59

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	9189	0	206.6	93.4	-0.4	161	5.40
	Haryana	9208	325	195.8	130.9	0.4	246	7.61
	Rajasthan	12957	0	274.6	51.2	-6.4	258	0.00
	Delhi	6123	0	125.4	100.1	-0.8	240	0.00
	UP	21673	320	457.4	194.8	-1.9	768	5.30
	Uttarakhand	2209	0	45.2	29.7	0.0	153	0.32
	HP	1554	0	32.6	11.5	-1.7	452	0.00
	J&K(UT) & Ladakh(UT)	2454	330	51.3	37.2	0.8	202	5.28
	Chandigarh	313	0	6.0	6.1	0.0	23	0.00
	WR	Chhattisgarh	4975	0	113.4	59.0	-2.8	214
Gujarat		20631	0	443.8	211.2	-1.6	625	0.00
MP		11926	0	265.9	133.9	-1.6	764	0.00
Maharashtra		27969	0	604.4	195.5	0.9	851	0.00
Goa		698	0	14.7	14.2	0.1	66	0.00
DD		341	0	7.0	7.0	0.0	21	0.00
DNH		869	0	19.6	19.5	0.1	68	0.00
AMNSIL		826	0	18.6	9.9	0.3	339	0.00
SR	Andhra Pradesh	10724	0	208.3	70.2	1.8	753	0.00
	Telangana	10519	0	218.1	92.7	0.2	553	0.00
	Karnataka	12012	0	234.4	59.0	0.0	709	0.00
	Kerala	3982	0	83.1	61.9	0.4	342	0.00
	Tamil Nadu	16492	0	349.3	195.6	1.2	1005	0.00
	Puducherry	460	0	9.3	9.5	-0.2	34	0.00
	DVC	3311	0	69.3	-49.3	-0.8	265	0.00
ER	Bihar	5587	0	104.6	96.2	-1.4	338	0.95
	Jharkhand	1455	227	27.7	18.5	-0.2	235	1.45
	Odisha	5595	0	115.1	47.7	-1.5	485	0.25
	West Bengal	8217	0	142.8	25.9	1.8	956	0.00
	Sikkim	108	0	1.3	1.4	-0.1	35	0.00
NER	Arunachal Pradesh	130	0	2.2	2.5	-0.4	35	0.00
	Assam	1428	0	25.2	20.1	-0.6	90	0.00
	Manipur	177	0	2.3	2.4	-0.1	22	0.00
	Meghalaya	316	0	5.4	2.3	-0.3	50	0.00
	Mizoram	111	0	1.8	1.9	-0.2	3	0.00
	Nagaland	133	0	2.1	2.0	0.0	8	0.00
	Tripura	289	0	5.1	3.7	-0.3	42	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	8.7	-5.6	-23.3
Day Peak (MW)	480.0	-401.0	-1071.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	209.9	-155.7	83.4	-131.9	-5.8	0.0
Actual(MU)	208.9	-146.2	80.9	-137.7	-10.3	-4.3
O/D/U/D(MU)	-1.0	9.5	-2.5	-5.8	-4.5	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3439	13167	5838	2370	725	25539	50
State Sector	7525	11706	4765	1660	47	25702	50
Total	10964	24873	10603	4030	772	51242	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	742	1374	630	576	16	3338	72
Lignite	23	13	44	0	0	80	2
Hydro	212	38	67	58	14	388	8
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	32	19	8	0	29	88	2
RES (Wind, Solar, Biomass & Others)	185	190	244	5	0	624	14
Total	1219	1666	1039	639	59	4622	100
Share of RES in total generation (%)	15.14	11.40	23.51	0.84	0.60	13.51	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.62	15.62	34.35	9.84	23.81	24.15	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.051

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: 03-Mar-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	GAYA-VARANASI	2	8	632	0.0	8.6	-8.6	
4	765 kV	SASARAM-FATEHPUR	1	0	478	0.0	8.4	-8.4	
5	765 kV	GAYA-BALIA	1	0	578	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	1	64	83	0.0	0.2	-0.2	
7	400 kV	PUSAULI-ALLAHABAD	1	39	170	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	717	0.0	10.6	-10.6	
9	400 kV	PATNA-BALIA	2	0	514	0.0	8.3	-8.3	
10	400 kV	NAUBATPUR-BALIA	2	0	552	0.0	10.0	-10.0	
11	400 kV	BIHARSHARIFF-BALIA	2	27	414	0.0	4.3	-4.3	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	550	0.0	10.1	-10.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	350	0.0	5.0	-5.0	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	143	0.0	2.4	-2.4	
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	0.4	79.6	-79.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	2.5	0.0	2.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	395	799	0.0	5.4	-5.4	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.9	-3.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	9.0	-9.0	
5	400 kV	RANCHI-SIPAT	2	20	233	0.0	2.1	-2.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	128	0.0	2.3	-2.3	
7	220 kV	BUDHIPADAR-KORBA	2	121	1	0.9	0.0	0.9	
						ER-WR	3.3	22.7	-19.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	658	0.0	9.2	-9.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1491	0.0	33.8	-33.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2120	0.0	40.4	-40.4	
4	400 kV	TALCHER-I/C	2	1734	0	10.2	0.0	10.2	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	83.3	-83.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	245	98	0.4	0.0	0.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	324	207	0.0	0.0	0.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	46	45	0.0	0.2	-0.2	
						ER-NER	0.4	0.2	0.2
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	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	3033	0.0	52.1	-52.1	
2	HVDC	VINDHYACHAL B/B	2	272	0	7.3	0.0	7.3	
3	HVDC	MUNDRA-MOHENDERGARH	2	592	0	11.5	0.0	11.5	
4	765 kV	GWALIOR-AGRA	2	0	1723	0.0	25.8	-25.8	
5	765 kV	GWALIOR-PHAGI	2	260	1588	0.2	22.6	-22.4	
6	765 kV	JABALPUR-ORAI	2	0	788	0.0	25.2	-25.2	
7	765 kV	GWALIOR-ORAI	1	660	0	9.9	0.0	9.9	
8	765 kV	SATNA-ORAI	1	0	1071	0.0	22.3	-22.3	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	1182	237	8.6	0.0	8.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2413	0.0	49.0	-49.0	
11	400 kV	ZERDA-KANKROLI	1	344	0	4.7	0.0	4.7	
12	400 kV	ZERDA-BHINMAL	1	742	52	7.9	0.0	7.9	
13	400 kV	VINDHYACHAL-RIHAND	1	967	0	22.2	0.0	22.2	
14	400 kV	RAPP-SHILAIIPUR	2	480	308	2.7	0.0	0.7	
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	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	47	2	1.0	0.0	1.0	
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	76.5	198.9	-122.4
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	2504	0.0	23.8	-23.8	
3	765 kV	SOLAPUR-RAICHUR	2	859	871	3.8	4.5	-0.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	1895	0.0	29.4	-29.4	
5	400 kV	KOLHAPUR-KUDCI	2	1135	0	20.4	0.0	20.4	
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	127	2.5	0.0	2.5	
						WR-SR	26.6	69.7	-43.1
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)	181	0	156	3.8			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	225	188	193	4.6			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	52	27	27	0.6			
	NER	132KV GELEPHU-SALAKATI	-9	0	-3	-0.1			
NEPAL	NER	132KV MOTANGA-RANGIA	27	7	17	0.4			
	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-62	-1.5			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-277	-16	-163	-3.9			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-950	-653	-875	-21.0			
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-121	0	-97	-2.3			