



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: 02nd 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 01.05.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01st 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: 02-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)	58588	56792	40261	19589	2553	177783
Peak Shortage (MW)	0	0	0	207	0	207
Energy Met (MU)	1378	1443	1066	447	44	4377
Hydro Gen (MU)	201	26	58	54	10	350
Wind Gen (MU)	37	161	116	-	-	314
Solar Gen (MU)*	103.62	52.95	112.66	4.39	0.66	274
Energy Shortage (MU)	23.99	11.09	0.00	3.20	0.46	38.74
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59818	62626	49391	20475	2606	190501
Time Of Maximum Demand Met (From NLDC SCADA)	15:27	14:56	11:56	15:04	18:59	15:27

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	0.088	0.00	0.41	7.58	7.99	60.12	31.89

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	9377	0	206.6	96.4	-1.7	490	2.65
	Haryana	8870	345	182.7	116.0	-0.8	418	4.25
	Rajasthan	14406	0	292.0	80.9	-0.4	904	4.91
	Delhi	5993	0	117.7	91.3	-2.5	129	0.00
	UP	21804	170	451.1	193.8	0.6	648	6.85
	Uttarakhand	2019	0	42.0	27.2	-0.9	232	0.00
	HP	1445	9	30.7	11.6	-2.9	485	0.05
	J&K(UT) & Ladakh(UT)	2395	0	49.7	36.2	0.2	206	5.28
	Chandigarh	262	0	5.2	5.7	-0.5	12	0.00
	Chhattisgarh	4949	0	118.0	60.3	-0.6	501	0.74
WR	Gujarat	19614	0	429.3	194.1	0.0	923	0.00
	MP	12480	0	267.8	138.3	-2.9	563	10.35
	Maharashtra	26208	0	570.5	170.0	2.0	945	0.00
	Goa	657	0	13.8	13.1	0.2	36	0.00
	DD	334	0	5.8	6.3	-0.5	23	0.00
	DNH	856	0	18.7	18.9	-0.2	69	0.00
	AMNSIL	849	0	18.8	7.5	-0.2	329	0.00
SR	Andhra Pradesh	10905	0	207.1	75.3	-1.3	654	0.00
	Telangana	10166	0	209.4	80.8	-0.5	877	0.00
	Karnataka	11073	0	215.9	45.0	1.4	637	0.00
	Kerala	3823	0	78.8	60.7	0.9	442	0.00
	Tamil Nadu	15733	0	346.1	181.4	-1.9	980	0.00
	Puducherry	413	0	8.7	8.9	-0.3	43	0.00
ER	Bihar	5611	0	104.2	102.6	-3.0	445	0.80
	DVC	3443	0	68.8	-48.5	-0.4	335	0.00
	Jharkhand	1361	0	30.8	23.6	-2.3	34	0.90
	Odisha	5455	0	111.7	50.3	-2.7	460	1.50
	West Bengal	7395	0	130.1	22.6	-3.5	490	0.00
	Sikkim	82	0	1.2	1.3	-0.1	34	0.00
NER	Arunachal Pradesh	134	0	2.2	2.5	-0.4	21	0.00
	Assam	1526	0	25.8	20.2	-0.7	156	0.00
	Manipur	164	0	2.2	2.5	-0.2	24	0.00
	Meghalaya	305	0	4.8	2.9	-0.1	61	0.46
	Mizoram	102	0	1.7	1.8	-0.2	5	0.00
	Nagaland	129	0	2.1	2.0	0.0	10	0.00
	Tripura	299	0	5.3	4.0	-0.1	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.8	-3.5	-25.2
Day Peak (MW)	628.0	-221.0	-1068.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.0	-164.1	61.5	-118.3	-1.1	0.0
Actual(MU)	226.9	-149.4	52.2	-128.6	-3.1	-2.0
O/D/U/D(MU)	4.9	14.7	-9.4	-10.3	-2.0	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3439	12097	5838	2370	725	24469	50
State Sector	6799	11636	4367	1660	47	24508	50
Total	10238	23733	10205	4030	772	48978	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	721	1317	601	560	12	3210	71
Lignite	25	15	49	0	0	89	2
Hydro	201	26	58	54	10	350	8
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	36	17	15	0	29	97	2
RES (Wind, Solar, Biomass & Others)	167	215	260	4	1	647	14
Total	1174	1623	1029	618	52	4496	100
Share of RES in total generation (%)	14.19	13.22	25.30	0.72	1.26	14.38	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.47	16.86	35.43	9.42	21.32	24.47	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.106

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: 02-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	354	586	0.0	5.5	-5.5	
4	765 kV	SASARAM-FATEHPUR	1	0	459	0.0	8.0	-8.0	
5	765 kV	GAYA-BALIA	1	0	581	0.0	9.1	-9.1	
6	400 kV	PUSAULI-VARANASI	1	77	80	0.0	0.7	-0.7	
7	400 kV	PUSAULI-ALLAHABAD	1	55	156	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	716	0.0	9.9	-9.9	
9	400 kV	PATNA-BALIA	2	0	581	0.0	9.3	-9.3	
10	400 kV	NAUBATPUR-BALIA	2	0	624	0.0	9.7	-9.7	
11	400 kV	BIHARSHARIFF-BALIA	2	73	529	0.0	4.9	-4.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	552	0.0	8.9	-8.9	
13	400 kV	BIHARSHARIFF-VARANASI	2	54	320	0.0	3.8	-3.8	
14	220 kV	SAHUPUR-KARMANASA	1	0	152	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	0.0	0.0	0.0	
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	73.7	-73.3
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	0.1	0.0	0.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	474	602	0.0	1.3	-1.3	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.0	-2.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	6.9	-6.9	
5	400 kV	RANCHI-SIPAT	2	110	178	0.0	1.4	-1.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	116	0.0	1.8	-1.8	
7	220 kV	BUDHIPADAR-KORBA	2	80	14	0.7	0.0	0.7	
						ER-WR	0.8	13.4	-12.6
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	1502	0.0	36.1	-36.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1878	0.0	34.7	-34.7	
4	400 kV	TALCHER-T/C	2	424	0	8.8	0.0	8.8	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	78.3	-78.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	37	272	0.0	2.7	-2.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	15	437	0.0	4.9	-4.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	90	0.0	1.0	-1.0	
						ER-NER	0.0	8.6	-8.6
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	3015	0.0	48.7	-48.7	
2	HVDC	VINDHYACHAL B/B	2	272	0	7.3	0.0	7.3	
3	HVDC	MUNDRA-MOHENDERGARH	2	482	0	11.5	0.0	11.5	
4	765 kV	GWALIOR-AGRA	2	0	1864	0.0	28.3	-28.3	
5	765 kV	GWALIOR-PHAGI	2	52	1730	0.0	20.5	-20.5	
6	765 kV	JABALPUR-ORAI	2	0	885	0.0	26.6	-26.6	
7	765 kV	GWALIOR-ORAI	1	600	0	10.6	0.0	10.6	
8	765 kV	SATNA-ORAI	1	0	1074	0.0	21.1	-21.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	347	563	0.0	1.5	-1.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2799	0.0	53.3	-53.3	
11	400 kV	ZERDA-KANKROLI	1	168	0	2.1	0.0	2.1	
12	400 kV	ZERDA-JBHINMAL	1	389	0	4.5	0.0	4.5	
13	400 kV	VINDHYACHAL-RIHAND	1	959	0	21.5	0.0	21.5	
14	400 kV	RAPP-SHILAIIPUR	2	293	397	1.5	2.9	-1.4	
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	5	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	49	16	1.4	0.0	1.4	
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	61.0	202.9	-141.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	525	0.0	12.0	-12.0	
2	HVDC	RAIGARH-PUGALUR	2	0	1002	0.0	19.5	-19.5	
3	765 kV	SOLAPUR-RAICHUR	2	1006	354	8.8	0.7	8.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	1372	0.0	21.8	-21.8	
5	400 kV	KOLHAPUR-KUDCI	2	1186	0	22.6	0.0	22.6	
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	120	2.3	0.0	2.3	
						WR-SR	33.6	53.9	-20.3
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)	213	0	161	3.9			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	318	176	226	5.4			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	104	0	45	1.1			
	NER	132KV GELEPHU-SALAKATI	7	0	2	0.1			
	NER	132KV MOTANGA-RANGIA	28	17	22	0.5			
NEPAL	NR	132KV MAHENDRANAGAR-TANAPUR(NHPC)	-80	0	-65	-1.6			
	ER	NEPAL IMPORT (FROM BIHAR)	47	0	15	0.4			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-188	0	-96	-2.3			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-944	-933	-942	-22.6			
	NER	132KV COMILLA-SURAJMANI 1&2	-124	0	-107	-2.6			