



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: 05th 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 04.05.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th 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: 05-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)	48179	60871	43290	21913	2565	176818
Peak Shortage (MW)	0	0	0	667	0	667
Energy Met (MU)	1321	1483	1065	476	45	4389
Hydro Gen (MU)	238	45	66	51	15	415
Wind Gen (MU)	22	103	52	-	-	178
Solar Gen (MU)*	92.49	49.83	100.12	5.14	0.74	248
Energy Shortage (MU)	13.48	14.16	0.00	2.96	0.00	30.60
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62339	66899	50919	22643	2633	197913
Time Of Maximum Demand Met (From NLDC SCADA)	11:37	14:42	11:57	23:37	19:02	11:53

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	0.039	0.00	0.73	5.34	6.06	73.97	19.96

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	8966	0	190.5	89.7	-2.8	113	0.30
	Haryana	8949	25	175.6	129.9	-6.4	448	6.72
	Rajasthan	14251	0	279.3	79.6	3.7	679	4.38
	Delhi	6121	0	118.5	99.3	-3.5	193	0.00
	UP	21418	660	432.7	188.4	-4.0	434	2.00
	Uttarakhand	1955	0	40.0	25.3	-1.9	309	0.08
	HP	1551	0	31.7	9.5	-1.7	472	0.00
	J&K(UT) & Ladakh(UT)	2218	0	47.7	31.0	-1.7	322	0.00
	Chandigarh	242	0	5.0	5.6	-0.6	8	0.00
	Chhattisgarh	4656	0	110.1	54.3	-0.9	253	0.00
WR	Gujarat	20195	0	436.2	199.8	0.0	550	0.00
	MP	11911	0	265.8	138.3	-0.7	783	14.16
	Maharashtra	27289	0	607.6	205.3	3.6	833	0.00
	Goa	711	0	15.4	14.3	0.9	60	0.00
	DD	350	0	7.8	7.7	0.1	71	0.00
	DNH	874	0	20.1	20.0	-0.8	72	0.00
	AMNSIL	907	0	19.7	8.6	-0.8	252	0.00
SR	Andhra Pradesh	9711	0	200.7	86.6	3.3	912	0.00
	Telangana	9013	0	176.3	61.7	-2.1	1434	0.00
	Karnataka	12260	0	234.2	44.0	-0.1	682	0.00
	Kerala	4092	0	84.4	65.4	0.5	263	0.00
	Tamil Nadu	16754	0	359.6	220.2	-0.4	749	0.00
	Puducherry	480	0	9.8	10.1	-0.3	39	0.00
	DVC	5531	0	109.2	99.4	0.2	407	1.51
ER	Bihar	3286	0	74.6	-50.4	-0.7	287	0.00
	Jharkhand	1354	70	29.6	20.7	-0.4	106	0.34
	Odisha	5407	0	109.3	46.2	0.3	602	1.11
	West Bengal	7857	0	151.5	34.5	0.2	448	0.00
	Sikkim	109	0	1.8	1.5	0.3	53	0.00
NER	Arunachal Pradesh	110	0	2.2	2.3	-0.2	13	0.00
	Assam	1614	0	27.0	21.3	-0.8	89	0.00
	Manipur	167	0	2.2	2.3	-0.1	13	0.00
	Meghalaya	311	0	5.5	2.8	0.0	47	0.00
	Mizoram	109	0	1.8	1.9	-0.1	6	0.00
	Nagaland	128	0	2.1	1.8	0.0	8	0.00
	Tripura	259	0	4.0	1.8	-0.2	38	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	7.3	-8.1	-20.0
Day Peak (MW)	394.0	342.0	-1016.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	199.3	-158.9	99.1	-130.5	-9.1	0.0
Actual(MU)	180.3	-140.5	96.4	-125.4	-13.2	-2.3
O/D/U/D(MU)	-19.0	18.4	-2.7	5.1	-4.1	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3189	13179	6728	2485	575	26156	51
State Sector	7475	11461	4565	1850	55	25405	49
Total	10664	24639	11293	4335	630	51561	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	714	1414	634	589	17	3369	74
Lignite	22	12	47	0	0	81	2
Hvdro	238	45	66	51	15	415	9
Nuclear	25	33	47	0	0	105	2
Gas, Naptha & Diesel	30	14	7	0	29	80	2
RES (Wind, Solar, Biomass & Others)	142	153	182	5	1	483	11
Total	1171	1672	984	645	62	4533	100
Share of RES in total generation (%)	12.10	9.17	18.53	0.80	1.19	10.66	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.57	13.85	30.02	8.68	25.47	22.14	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.067

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: 05-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	3	0	0	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	187	605	0.0	5.9	-5.9	
4	765 kV	SASARAM-FATEHPUR	1	0	440	0.0	7.7	-7.7	
5	765 kV	GAYA-BALIA	1	0	521	0.0	7.4	-7.4	
6	400 kV	PUSAULI-VARANASI	1	9	85	0.0	0.7	-0.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	128	0.0	1.8	-1.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	687	0.0	9.7	-9.7	
9	400 kV	PATNA-BALIA	2	0	485	0.0	7.6	-7.6	
10	400 kV	NAUBATPUR-BALIA	2	0	432	0.0	7.8	-7.8	
11	400 kV	BIHARSHARIFF-BALIA	2	32	344	0.0	2.8	-2.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	552	0.0	8.9	-8.9	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	331	0.0	4.6	-4.6	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	167	0.0	1.5	-1.5	
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	0.4	66.3	-65.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	8.5	0.0	8.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	316	454	0.0	2.5	-2.5	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	1.1	-1.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	10.4	-10.4	
5	400 kV	RANCHI-SIPAT	2	5	145	0.0	1.8	-1.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	126	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	106	0	1.6	0.0	1.6	
						ER-WR	10.0	18.1	-8.0
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	497	0.0	9.5	-9.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	41.5	-41.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2410	0.0	46.7	-46.7	
4	400 kV	TALCHER-I/C	2	710	151	3.6	0.0	3.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	97.6	-97.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	198	182	1.0	0.3	0.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	261	297	0.8	0.0	0.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	24	72	0.0	0.1	-0.1	
						ER-NER	1.8	0.4	1.4
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	1505	0.0	45.8	-45.8	
2	HVDC	VINDHYACHAL B/B	2	451	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	726	0	17.6	0.0	17.6	
4	765 kV	GWALIOR-AGRA	2	0	1899	0.0	24.1	-24.1	
5	765 kV	GWALIOR-PHAGI	2	0	1753	0.0	23.9	-23.9	
6	765 kV	JABALPUR-ORAI	2	0	848	0.0	22.1	-22.1	
7	765 kV	GWALIOR-ORAI	1	681	0	12.6	0.0	12.6	
8	765 kV	SATNA-ORAI	1	0	990	0.0	20.6	-20.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	731	309	6.2	0.0	6.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2455	0.0	47.0	-47.0	
11	400 kV	ZERDA-KANKROLI	1	225	0	3.2	0.0	3.2	
12	400 kV	ZERDA-JBHINMAL	1	393	3	4.6	0.0	4.6	
13	400 kV	VINDHYACHAL-RIHAND	1	978	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHULIAPUR	2	426	422	0.0	0.1	-0.1	
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	119	0	0.9	0.0	0.9	
18	220 kV	MALANPUR-AURAIYA	1	80	0	1.6	0.0	1.6	
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	80.9	183.7	-102.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	583	0.0	12.0	-12.0	
2	HVDC	RAIGARH-PUGALUR	2	0	1501	0.0	23.8	-23.8	
3	765 kV	SOLAPUR-RAICHUR	2	714	1362	0.0	5.8	-5.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	1913	0.0	27.8	-27.8	
5	400 kV	KOLHAPUR-KUDCI	2	1346	0	21.1	0.0	21.1	
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	132	2.7	0.0	2.7	
						WR-SR	23.7	69.3	-45.6
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)	210	0	167	4.0			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	247	0	155	3.7			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0			
	NER	132KV GELEPHU-SALAKATI	27	-5	1	0.0			
	NER	132KV MOTANGA-RANGIA	-29	-7	-16	-0.4			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.6			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	422	159	-273	-6.6			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-940	-695	-767	-18.4			
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-76	0	-64	-1.5			