



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 06<sup>th</sup> 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 05.05.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<sup>th</sup> 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: 06-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)	58769	60125	42968	20173	2836	184871
Peak Shortage (MW)	30	877	0	167	0	1074
Energy Met (MU)	1233	1489	1052	475	50	4300
Hydro Gen (MU)	226	50	65	57	17	415
Wind Gen (MU)	18	76	46	-	-	140
Solar Gen (MU)*	91.93	53.57	105.89	5.09	0.83	257
Energy Shortage (MU)	18.30	6.12	0.00	3.58	0.00	28.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59786	66944	52631	22418	2803	194725
Time Of Maximum Demand Met (From NLDC SCADA)	19:54	15:18	06:58	00:07	18:41	15:18

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	0.085	1.41	3.43	14.91	19.74	69.74	10.52

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	8638	0	186.5	87.4	-1.0	92	0.30
	Haryana	7999	638	167.4	114.7	-1.4	235	1.21
	Rajasthan	14383	0	271.2	76.6	-0.8	380	13.77
	Delhi	5371	0	103.8	94.6	-4.1	143	0.00
	UP	21834	0	372.2	143.1	-3.0	434	0.16
	Uttarakhand	2078	0	41.2	24.8	-0.5	151	0.00
	HP	1565	0	34.1	13.0	0.1	173	0.00
	J&K(UT) & Ladakh(UT)	2281	30	51.5	30.7	1.7	321	2.86
WR	Chandigarh	239	0	4.8	5.1	-0.3	18	0.00
	Chhattisgarh	4836	0	111.6	58.5	-0.9	264	0.00
	Gujarat	20265	0	439.9	214.8	0.0	738	0.00
	MP	12335	0	268.6	142.9	0.1	839	6.12
	Maharashtra	27210	0	607.0	200.0	1.5	1003	0.00
	Goa	708	0	15.5	14.6	0.4	52	0.00
	DD	350	0	7.9	7.9	0.0	25	0.00
	DNH	876	0	20.4	20.4	0.0	54	0.00
SR	AMNSIL	875	0	18.4	7.6	-1.2	249	0.00
	Andhra Pradesh	10402	0	200.4	83.8	0.0	578	0.00
	Telangana	9631	0	187.6	74.1	-0.5	603	0.00
	Karnataka	11296	0	218.9	36.6	-2.1	1043	0.00
	Kerala	4182	0	83.3	63.1	-0.3	221	0.00
	Tamil Nadu	16229	0	351.9	217.0	0.4	923	0.00
	Puducherry	472	0	10.0	10.0	-0.1	40	0.00
ER	Bihar	5523	0	101.3	95.9	-0.2	359	1.30
	DVC	3396	0	74.3	-50.1	-0.3	290	0.00
	Jharkhand	1396	55	29.5	19.9	0.8	227	1.56
	Odisha	5668	0	110.6	48.3	-0.2	362	0.72
	West Bengal	8399	0	158.1	36.9	-0.7	465	0.00
	Sikkim	109	0	1.6	1.6	0.1	34	0.00
NER	Arunachal Pradesh	134	0	2.2	2.4	-0.2	25	0.00
	Assam	1792	0	30.9	24.8	-0.2	95	0.00
	Manipur	171	0	2.2	2.4	-0.2	23	0.00
	Meghalaya	319	0	5.6	2.8	-0.1	22	0.00
	Mizoram	112	0	1.8	1.9	-0.1	9	0.00
	Nagaland	139	0	2.3	2.0	0.0	15	0.00
	Tripura	276	0	4.7	2.6	-0.1	38	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	7.0	-7.9	-21.1
Day Peak (MW)	390.0	-516.8	-1028.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.9	-113.4	85.7	-123.3	-7.0	0.0
Actual(MU)	142.1	-98.1	82.0	-119.0	-10.5	-3.5
O/D/U/D(MU)	-15.9	15.3	-3.8	4.3	-3.5	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3799	12099	6128	2485	575	25086	51
State Sector	6815	11756	3875	1250	47	23742	49
Total	10614	23854	10003	3735	622	48828	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	690	1379	634	579	17	3300	75
Lignite	23	13	49	0	0	85	2
Hydro	226	50	65	57	17	415	9
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	18	12	8	0	29	67	2
RES (Wind, Solar, Biomass & Others)	137	130	181	5	1	454	10
Total	1118	1617	983	641	64	4424	100
Share of RES in total generation (%)	12.21	8.05	18.41	0.80	1.29	10.26	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.65	13.18	29.68	9.73	27.55	21.98	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.051
Based on State Max Demands	1.086

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: 06-May-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
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	62	389	0.0	2.8	-2.8	
4	765 kV	SASARAM-FATEHPUR	1	0	376	0.0	6.4	-6.4	
5	765 kV	GAYA-BALIA	1	0	471	0.0	7.3	-7.3	
6	400 kV	PUSAULI-VARANASI	1	65	103	0.0	0.6	-0.6	
7	400 kV	PUSAULI-ALLAHABAD	1	16	147	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	566	0.0	6.6	-6.6	
9	400 kV	PATNA-BALIA	2	0	448	0.0	8.0	-8.0	
10	400 kV	NAUBATPUR-BALIA	2	0	494	0.0	8.5	-8.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	366	0.0	4.1	-4.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	407	0.0	6.5	-6.5	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	282	0.0	3.3	-3.3	
14	220 kV	SAHUPUR-KARMANASA	1	0	132	0.0	1.8	-1.8	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	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	57.0	-56.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	6.1	0.0	6.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	158	531	0.0	3.3	-3.3	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	5.0	-5.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	14.2	-14.2	
5	400 kV	RANCHI-SIPAT	2	0	204	0.0	2.3	-2.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	140	0.0	2.4	-2.4	
7	220 kV	BUDHIPADAR-KORBA	2	105	8	1.1	0.0	1.1	
						ER-WR	7.2	27.2	-20.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	665	0.0	8.8	-8.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1983	0.0	36.6	-36.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2326	0.0	40.3	-40.3	
4	400 kV	TALCHER-I/C	2	571	142	8.5	0.0	8.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	85.7	-85.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	196	157	0.5	0.9	-0.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	260	230	0.0	0.3	-0.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	21	78	0.0	0.6	-0.6	
						ER-NER	0.5	1.8	-1.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPAKURUKSHETRA	2	0	2510	0.0	49.3	-49.3	
2	HVDC	VINDHYACHAL B/B	2	449	0	8.8	0.0	8.8	
3	HVDC	MUNDRA-MOHINDERGARH	2	734	0	11.8	0.0	11.8	
4	765 kV	GWALIOR-AGRA	2	0	1275	0.0	17.9	-17.9	
5	765 kV	GWALIOR-PHAGI	2	0	1308	0.0	19.6	-19.6	
6	765 kV	JABALPUR-ORAI	2	0	519	0.0	13.9	-13.9	
7	765 kV	GWALIOR-ORAI	1	746	0	12.8	0.0	12.8	
8	765 kV	SATNA-ORAI	1	0	921	0.0	19.2	-19.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1271	9	17.2	0.0	17.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2520	0.0	44.5	-44.5	
11	400 kV	ZERDA-KANKROLI	1	298	0	5.2	0.0	5.2	
12	400 kV	ZERDA-BHINMAL	1	438	0	6.9	0.0	6.9	
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHULIAPUR	2	353	171	2.1	0.0	2.1	
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	115	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	75	0	1.9	0.0	1.9	
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	89.2	164.3	-75.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	12.0	-12.0	
2	HVDC	RAIGARH-PUGALUR	2	0	3509	0.0	26.1	-26.1	
3	765 kV	SOLAPUR-RAICHUR	2	1163	1128	0.0	0.2	-0.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	2236	0.0	29.7	-29.7	
5	400 kV	KOLHAPUR-KUDCI	2	1340	0	22.4	0.0	22.4	
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	126	2.7	0.0	2.7	
						WR-SR	25.1	68.0	-42.9
<b>INTERNATIONAL EXCHANGES</b>									
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)	158	0	120	2.9			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	244	177	177	4.2			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	49	0	17	0.4			
	NER	132KV GELEPHU-SALAKATI	-8	0	-2	-0.1			
	NER	132KV MOTANGA-RANGIA	34	5	20	0.5			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.3			
	ER	NEPAL IMPORT (FROM BIHAR)	-16	0	-3	-0.1			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-423	-163	-271	-6.5			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-940	-700	-805	-19.3			
BANGLADESH	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-88	0	-74	-1.8			