



**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: 9<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 08.05.2022.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मई-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 8<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: 09-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)	58616	58229	38353	22695	2781	180674
Peak Shortage (MW)	229	0	0	201	0	430
Energy Met (MU)	1339	1447	998	521	53	4358
Hydro Gen (MU)	225	29	53	55	13	375
Wind Gen (MU)	48	94	85	-	-	227
Solar Gen (MU)*	103.95	53.13	96.18	5.56	0.76	260
Energy Shortage (MU)	3.85	9.46	0.00	4.27	0.57	18.15
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62272	63757	45591	23445	2828	189239
Time Of Maximum Demand Met (From NLDC SCADA)	22:21	15:06	11:44	22:03	19:39	14:56

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	0.052	0.76	1.91	2.96	5.64	74.86	19.50

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	8862	0	197.2	91.8	-1.3	100	0.00
	Haryana	7982	0	173.9	107.9	-1.0	132	0.00
	Rajasthan	13805	0	279.0	60.1	-1.0	438	1.48
	Delhi	5762	0	110.0	95.1	-1.3	149	0.00
	UP	22363	180	446.0	179.8	1.7	745	1.69
	Uttarakhand	1976	0	42.0	25.1	0.2	171	0.00
	HP	1521	0	31.8	11.2	0.2	170	0.00
	J&K(UT) & Ladakh(UT)	2457	0	54.4	36.7	1.3	449	0.68
	Chandigarh	267	0	5.0	4.9	0.1	28	0.00
	WR	Chhattisgarh	4729	0	110.2	56.4	-2.6	157
Gujarat		19039	0	420.5	199.8	-1.8	435	0.00
MP		11806	0	263.2	142.9	0.0	573	9.46
Maharashtra		26320	0	593.3	189.7	1.4	969	0.00
Goa		647	0	13.5	13.3	-0.2	35	0.00
DD		325	0	7.5	7.6	-0.1	17	0.00
DNH		858	0	19.8	19.9	-0.1	44	0.00
AMNSIL		869	0	18.8	10.0	-0.1	296	0.00
SR	Andhra Pradesh	9711	0	190.0	71.9	-3.5	524	0.00
	Telangana	9694	0	193.7	81.5	1.0	571	0.00
	Karnataka	9919	0	199.6	41.2	-3.6	829	0.00
	Kerala	4073	0	77.9	63.2	0.1	184	0.00
	Tamil Nadu	14395	0	327.9	185.4	-2.7	451	0.00
	Puducherry	422	0	9.0	9.1	-0.1	32	0.00
ER	Bihar	5822	0	116.5	111.9	-1.5	330	0.99
	DVC	3565	0	77.5	-40.3	1.0	233	0.00
	Jharkhand	1488	0	32.4	22.1	1.3	161	3.29
	Odisha	5961	0	126.4	50.5	-1.7	341	0.00
	West Bengal	8257	0	167.4	47.3	-1.0	196	0.00
NER	Sikkim	78	0	1.2	1.2	0.1	25	0.00
	Arunachal Pradesh	136	0	2.3	2.4	-0.2	23	0.00
	Assam	1830	0	34.2	27.9	-0.4	82	0.00
	Manipur	173	0	2.4	2.5	-0.1	18	0.00
	Meghalaya	316	0	4.9	2.7	0.0	47	0.57
	Mizoram	104	0	1.8	1.8	-0.1	7	0.00
	Nagaland	127	0	2.2	2.2	-0.2	11	0.00
	Tripura	289	0	5.5	4.5	0.1	44	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.1	-7.4	-25.0
Day Peak (MW)	484.0	-420.0	-1048.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.0	-157.1	63.6	-91.3	0.8	0.0
Actual(MU)	180.2	-136.4	37.3	-86.3	0.0	-5.3
O/D/U/D(MU)	-3.9	20.7	-26.4	5.0	-0.8	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4649	10999	5698	2000	575	23921	48
State Sector	6734	11013	5929	2640	68	26383	52
Total	11383	22011	11627	4640	643	50304	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	719	1372	612	589	14	3307	74
Lignite	19	16	46	0	0	81	2
Hydro	225	29	53	55	13	375	8
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	22	12	8	0	30	72	2
RES (Wind, Solar, Biomass & Others)	175	148	208	6	1	538	12
Total	1185	1610	973	650	58	4477	100
Share of RES in total generation (%)	14.78	9.21	21.36	0.85	1.31	12.01	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.84	13.02	31.57	9.34	24.08	22.71	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.088

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: 09-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	4	4	0	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	377	254	0.2	0.0	0.2	
4	765 kV	SASARAM-FATEHPUR	1	0	364	0.0	6.2	-6.2	
5	765 kV	GAYA-BALIA	1	0	621	0.0	10.8	-10.8	
6	400 kV	PUSAULI-VARANASI	1	24	94	0.0	0.6	-0.6	
7	400 kV	PUSAULI-ALLAHABAD	1	58	141	0.0	1.1	-1.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	170	515	0.0	4.2	-4.2	
9	400 kV	PATNA-BALIA	2	0	498	0.0	9.3	-9.3	
10	400 kV	NAUBATPUR-BALIA	2	0	532	0.0	9.7	-9.7	
11	400 kV	BIHARSHARIFF-BALIA	2	24	368	0.0	3.6	-3.6	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	436	0.0	6.4	-6.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	69	223	0.0	2.4	-2.4	
14	220 kV	SAHUPUR-KARAMUNSA	1	0	153	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	0.4	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	0.6	56.6	-56.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	10.0	0.0	10.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1034	0	12.6	0.0	12.6	
3	765 kV	JHARSUGUDA-DURG	2	0	314	2.6	0.0	2.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	8.8	-8.8	
5	400 kV	RANCHI-SIPAT	2	197	40	1.4	0.0	1.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	135	0.0	2.4	-2.4	
7	220 kV	BUDHIPADAR-KORBA	2	84	0	1.0	0.0	1.0	
						ER-WR	27.6	11.3	16.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	445	0.0	10.4	-10.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1643	0.0	25.1	-25.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2346	0.0	42.9	-42.9	
4	400 kV	TALCHER-I/C	2	929	0	18.9	0.0	18.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	78.3	-78.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	38	258	0.0	3.9	-3.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	19	438	0.0	6.4	-6.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	84	0.0	1.3	-1.3	
						ER-NER	0.0	11.6	-11.6
<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	CHAMPACKURUKSHETRA	2	0	2515	0.0	47.6	-47.6	
2	HVDC	VINDHYACHAL B/B	2	449	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	726	0.0	17.6	17.6	
4	765 kV	GWALIOR-AGRA	2	0	1973	0.0	29.3	-29.3	
5	765 kV	GWALIOR-PHAGI	2	93	1259	0.1	16.4	-16.3	
6	765 kV	JABALPUR-ORAI	2	0	865	0.0	24.9	-24.9	
7	765 kV	GWALIOR-ORAI	1	546	0	10.0	0.0	10.0	
8	765 kV	SATNA-ORAI	1	0	1021	0.0	20.7	-20.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	1162	37	10.0	0.0	10.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3345	0.0	63.2	-63.2	
11	400 kV	ZERDA-KANKROLI	1	318	0	4.1	0.0	4.1	
12	400 kV	ZERDA-BHINMAL	1	595	0	8.1	0.0	8.1	
13	400 kV	VINDHYACHAL-RIHAND	1	967	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHUALPUR	2	381	323	2.8	2.0	0.8	
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	94	0	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	56	8	1.4	0.0	1.4	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	88.7	203.9	-115.3
<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	960	0	17.3	0.0	17.3	
3	765 kV	SOJAPUR-RAICHUR	2	793	1446	2.5	7.0	-4.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	1945	0.0	32.1	-32.1	
5	400 kV	KOLHAPUR-KUDCI	2	1365	0	23.9	0.0	23.9	
6	220 kV	KOLHAPUR-CHIKODI	2	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	123	2.7	0.0	2.7	
						WR-SR	46.3	51.1	-4.8
<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)	171	0	150	3.6			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	213	165	193	4.6			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	101	41	58	1.4			
	NER	132KV GELEPHU-SALAKATI	9	0	5	0.1			
	NER	132KV MOTANGA-RANGIA	29	0	18	0.4			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-72	-1.7			
	ER	NEPAL IMPORT (FROM BHAR)	-63	0	-25	-0.6			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-277	-73	-214	-5.1			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-936	-927	-933	-22.4			
	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-112	0	-108	-2.6			