



**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: 14<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 13.05.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13<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: 14-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)	64177	59932	42655	22275	2593	191632
Peak Shortage (MW)	430	0	0	152	0	582
Energy Met (MU)	1511	1470	946	528	47	4502
Hydro Gen (MU)	302	40	65	66	21	494
Wind Gen (MU)	32	165	151	-	-	347
Solar Gen (MU)*	106.56	49.32	89.10	5.09	0.24	250
Energy Shortage (MU)	1.99	0.00	0.50	3.46	0.00	5.95
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68988	65115	44190	23777	2691	199663
Time Of Maximum Demand Met (From NLDC SCADA)	22:53	15:44	15:30	00:00	19:08	14:35

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	0.022	0.00	0.00	1.47	1.47	80.59	17.94

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	10825	0	231.6	134.5	-0.7	161	0.00
	Haryana	9559	0	205.2	133.7	-0.9	164	0.00
	Rajasthan	14557	0	300.4	92.9	0.5	340	0.65
	Delhi	6781	0	135.8	123.3	-2.2	198	0.00
	UP	24699	0	498.9	218.8	2.2	581	1.34
	Uttarakhand	2322	0	45.9	23.4	0.7	222	0.00
	HP	1570	0	32.8	4.2	-0.5	68	0.00
	J&K(UT) & Ladakh(UT)	2261	0	53.2	33.1	-0.4	146	0.00
	Chandigarh	356	0	6.8	7.2	-0.3	17	0.00
	WR	Chhattisgarh	4660	0	108.5	56.6	-2.1	346
Gujarat		20226	0	436.4	204.6	-2.7	657	0.00
MP		12089	0	278.5	147.8	0.0	416	0.00
Maharashtra		26133	0	585.8	179.2	-1.4	835	0.00
Goa		662	0	14.8	14.8	0.0	26	0.00
DD		337	0	7.6	7.8	-0.2	49	0.00
DNH		849	0	19.7	19.9	-0.2	41	0.00
SR	AMNSIL	855	0	18.9	9.4	0.2	245	0.00
	Andhra Pradesh	8048	0	172.9	30.4	1.5	1486	0.50
	Telangana	9421	0	187.8	76.6	0.2	438	0.00
	Karnataka	9407	0	189.6	11.1	-1.0	969	0.00
	Kerala	3697	0	73.5	53.4	-0.1	345	0.00
	Tamil Nadu	14983	0	314.3	161.6	-3.7	973	0.00
	Puducherry	415	0	8.3	8.8	-0.5	40	0.00
ER	Bihar	6023	0	121.9	110.6	0.1	424	1.44
	DVC	3610	0	77.7	-37.2	2.7	439	0.00
	Jharkhand	1543	211	33.1	24.1	0.4	208	2.03
	Odisha	5641	0	127.4	52.5	-2.0	434	0.00
	West Bengal	8296	0	165.7	39.9	-0.6	611	0.00
NER	Sikkim	106	0	1.8	1.8	-0.1	25	0.00
	Arunachal Pradesh	134	0	2.3	2.7	-0.4	7	0.00
	Assam	1680	0	28.6	21.6	-0.5	85	0.00
	Manipur	171	0	2.5	2.5	0.1	37	0.00
	Meghalaya	313	0	5.4	0.7	-0.3	41	0.00
	Mizoram	110	0	1.9	1.8	0.0	11	0.00
	Nagaland	138	0	2.5	2.0	0.1	11	0.00
	Tripura	231	0	3.7	2.7	0.1	76	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.1	-1.3	-24.5
Day Peak (MW)	573.0	-463.2	-1039.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	296.1	-172.0	-34.8	-83.9	-5.4	0.0
Actual(MU)	298.0	-163.0	-51.8	-80.6	-6.0	-3.4
O/D/U/D(MU)	1.9	9.0	-17.1	3.3	-0.6	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3959	8538	5428	2170	923	21018	43
State Sector	7959	11386	7055	1390	110	27899	57
Total	11918	19923	12483	3560	1034	48918	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	703	1341	582	575	12	3214	70
Lignite	23	15	45	0	0	83	2
Hvdro	302	40	65	66	21	494	11
Nuclear	24	33	46	0	0	103	2
Gas, Naptha & Diesel	23	16	9	0	24	71	2
RES (Wind, Solar, Biomass & Others)	162	215	265	5	0	647	14
Total	1237	1659	1012	646	58	4612	100
Share of RES in total generation (%)	13.06	12.93	10.20	0.78	0.41	14.02	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.47	17.31	37.16	11.01	36.76	26.97	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.065

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)

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Date of Reporting: 14-May-2022		
							Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	300	0.0	2.6	-2.6	
2	HVDC	PUSAULI-BB	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	249	323	0.0	0.9	-0.9	
4	765 kV	SASARAM-FATEHPUR	1	0	334	0.0	5.6	-5.6	
5	765 kV	GAYA-BALIA	1	0	758	0.0	11.7	-11.7	
6	400 kV	PUSAULI-VARANASI	1	74	1	0.9	0.0	0.9	
7	400 kV	PUSAULI-ALLAHABAD	1	34	116	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	867	0.0	11.5	-11.5	
9	400 kV	PATNA-BALIA	2	0	594	0.0	8.5	-8.5	
10	400 kV	NAUBATPUR-BALIA	2	0	635	0.0	8.7	-8.7	
11	400 kV	BIHARSHARIF-BALIA	2	0	587	0.0	5.9	-5.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	507	0.0	7.9	-7.9	
13	400 kV	BIHARSHARIF-VARANASI	2	33	261	0.0	2.3	-2.3	
14	220 kV	SAHUPURI-KARAMNANA	1	1	174	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	0.4	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	1.3	68.5	-67.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	2.0	0.0	2.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1363	0	20.9	0.0	20.9	
3	765 kV	JHARSUGUDA-DURG	2	0	314	2.6	0.0	2.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	6.1	-6.1	
5	400 kV	RANCHI-SIPAT	2	286	6	4.3	0.0	4.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	8	91	0.0	1.3	-1.3	
7	220 kV	BUDHIPADAR-KORBA	2	145	0	1.7	0.0	1.7	
						ER-WR	31.4	7.4	24.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	336	0.0	7.3	-7.3	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1632	0.0	32.9	-32.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2281	0.0	35.9	-35.9	
4	400 kV	TALCHER-J/C	2	821	0	12.1	0.0	12.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	76.2	-76.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	61	170	0.0	1.9	-1.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	71	293	0.0	3.2	-3.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	11	63	0.0	0.6	-0.6	
						ER-NER	0.0	5.6	-5.6
<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	CHAMPA-KURUKSHETRA	2	0	3002	0.0	51.4	-51.4	
2	HVDC	VINDHYACHAL B/B	-	445	0	3.1	0.0	3.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	311	0.0	7.3	-7.3	
4	765 kV	GWALIOR-AGRA	2	0	2799	0.0	41.4	-41.4	
5	765 kV	GWALIOR-PHAGI	2	0	1731	0.0	26.5	-26.5	
6	765 kV	JABALPUR-ORAI	2	0	1144	0.0	38.3	-38.3	
7	765 kV	GWALIOR-ORAI	1	648	0	12.0	0.0	12.0	
8	765 kV	SATNA-ORAI	1	0	1131	0.0	23.0	-23.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	454	343	0.0	1.3	-1.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3720	0.0	71.2	-71.2	
11	400 kV	ZERDA-KANKROLI	1	220	0	2.4	0.0	2.4	
12	400 kV	ZERDA-BHINMAL	1	372	81	5.0	0.0	5.0	
13	400 kV	VINDHYACHAL-RIHAND	1	973	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHULALPUR	2	140	629	0.0	5.4	-5.4	
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	87	0	0.4	0.0	0.4	
18	220 kV	MALANPUR-AURAIYA	1	47	16	1.1	0.0	1.1	
19	132 kV	GWALIOR-SAWAI MADHOPUR	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	45.8	265.6	-219.8
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2401	0	41.7	0.0	41.7	
3	765 kV	SOLAPUR-RAICHUR	2	1815	1070	13.0	0.0	13.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	2397	0.0	30.9	-30.9	
5	400 kV	KOLHAPUR-KUDGI	2	1679	0	30.8	0.0	30.8	
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	119	2.4	0.0	2.4	
						WR-SR	111.8	30.9	80.9
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	305	0	217	5.2			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	209	152	178	4.3			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	159	25	54	1.3			
	NER	132kV GELEPHU-SALAKATI	11	4	4	0.1			
	NER	132kV MOTANGA-RANGIA	37	0	26	0.6			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-61	0	-32	-0.8			
	ER	NEPAL IMPORT (FROM BIHAR)	-39	0	-13	-0.3			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-363	0	-10	-0.3			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-776	-923	-22.1			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-112	0	-96	-2.3			