



**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: 02<sup>nd</sup> August 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 01.08.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-अगस्त-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 01<sup>st</sup> Aug 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-Aug-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)	60058	54442	41648	25276	3063	184487
Peak Shortage (MW)	555	0	0	335	0	890
Energy Met (MU)	1309	1238	965	545	56	4114
Hydro Gen (MU)	341	97	131	125	41	734
Wind Gen (MU)	39	143	94	-	-	276
Solar Gen (MU)*	82.18	39.60	91.81	4.69	0.45	219
Energy Shortage (MU)	3.02	0.00	0.00	1.60	0.00	4.62
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63632	53993	46154	25524	3092	186023
Time Of Maximum Demand Met (From NLDC SCADA)	21:53	19:47	10:49	22:32	19:05	20:09

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	0.025	0.00	0.28	3.14	3.41	77.41	19.18

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	10602	0	217.0	143.0	-1.4	114	0.00
	Haryana	8703	0	172.9	110.2	-0.6	150	0.00
	Rajasthan	10622	0	235.0	29.8	0.4	443	0.00
	Delhi	5468	0	113.0	102.7	-1.7	155	0.00
	UP	23219	0	446.1	204.6	3.0	738	2.84
	Uttarakhand	2004	35	43.4	20.9	0.8	167	0.18
	HP	1512	0	28.3	-9.1	0.3	173	0.00
	J&K(UT) & Ladakh(UT)	2073	0	46.9	27.5	-4.8	215	0.00
	Chandigarh	290	0	5.9	6.3	-0.4	7	0.00
	WR	Chhattisgarh	4926	0	117.9	66.4	1.4	317
Gujarat		15958	0	346.7	163.8	-1.8	597	0.00
MP		10547	0	238.2	107.2	0.0	488	0.00
Maharashtra		21730	0	479.0	206.0	-0.8	681	0.00
Goa		604	0	12.5	12.7	-0.2	42	0.00
DNHDDPDCL		1145	0	26.2	26.2	0.0	38	0.00
AMNSIL		858	0	17.6	10.7	0.3	312	0.00
SR	Andhra Pradesh	9173	0	196.9	83.7	0.6	698	0.00
	Telangana	12334	0	216.6	101.3	1.6	646	0.00
	Karnataka	8470	0	169.2	49.8	-1.2	493	0.00
	Kerala	3310	0	69.8	32.1	-1.1	235	0.00
	Tamil Nadu	14140	0	303.3	131.7	-2.4	580	0.00
	Puducherry	446	0	9.7	9.0	-0.1	54	0.00
	ER	Bihar	6052	0	119.0	107.9	0.4	395
DVC		3479	0	72.6	-34.5	0.0	397	0.00
Jharkhand		1593	183	32.3	24.9	-0.7	210	1.55
Odisha		6489	0	137.6	69.2	-1.1	336	0.00
West Bengal		9487	0	182.4	55.5	0.6	368	0.00
NER	Sikkim	96	0	1.5	1.4	0.1	29	0.00
	Arunachal Pradesh	134	0	2.5	2.0	0.1	28	0.00
	Assam	1955	0	35.3	26.6	0.4	89	0.00
	Manipur	189	0	2.7	2.8	-0.1	20	0.00
	Meghalaya	336	0	6.1	0.5	0.0	35	0.00
	Mizoram	109	0	1.7	0.8	-0.1	10	0.00
	Nagaland	148	0	2.7	2.3	-0.1	17	0.00
	Tripura	293	0	5.2	5.6	-0.3	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	38.9	9.6	-25.3
Day Peak (MW)	1869.0	372.0	-1095.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.6	-98.3	68.4	-122.2	-17.5	0.0
Actual(MU)	142.5	-96.6	71.9	-102.6	-17.9	-2.7
O/D/U/D(MU)	-27.2	1.7	3.5	19.6	-0.4	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4262	15306	7638	1390	580	29175	43
State Sector	8745	17541	9525	2280	99	38189	57
Total	13007	32846	17163	3670	679	67364	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	686	1028	454	547	10	2725	64
Lignite	30	10	60	0	0	100	2
Hydro	343	97	131	125	41	736	17
Nuclear	29	33	47	0	0	109	3
Gas, Naptha & Diesel	16	4	9	0	30	59	1
RES (Wind, Solar, Biomass & Others)	142	184	226	5	0	557	13
Total	1246	1355	928	677	81	4287	100
Share of RES in total generation (%)	11.38	13.56	24.40	0.70	0.55	13.00	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.25	23.12	43.60	19.14	50.36	32.71	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
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: 02-Aug-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	1003	0.0	23.0	-23.0	
2	HVDC	PUSAULI-BB	-	0	49	0.0	1.3	-1.3	
3	765 kV	GAYA-VARANASI	2	549	298	3.3	0.0	3.3	
4	765 kV	SASARAM-FATEHPUR	1	116	261	0.0	1.7	-1.7	
5	765 kV	GAYA-BALIA	1	0	560	0.0	6.4	-6.4	
6	400 kV	PUSAULI-VARANASI	1	0	84	0.0	0.9	-0.9	
7	400 kV	PUSAULI-ALLAHABAD	1	25	51	0.0	0.2	-0.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	853	0.0	13.1	-13.1	
9	400 kV	PATNA-BALIA	2	0	553	0.0	8.4	-8.4	
10	400 kV	NAUBATPUR-BALIA	2	0	580	0.0	8.5	-8.5	
11	400 kV	BIHARSHARIF-BALIA	2	0	341	0.0	3.9	-3.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	463	0.0	6.4	-6.4	
13	400 kV	BIHARSHARIF-VARANASI	2	182	162	0.0	0.1	-0.1	
14	220 kV	SAHUPURI-KARAMNANA	1	16	135	0.0	1.8	-1.8	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	60	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	3.8	75.7	-71.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	19.5	0.0	19.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1080	991	9.2	0.0	9.2	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.7	-2.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.0	-7.0	
5	400 kV	RANCHI-SIPAT	2	194	277	0.6	0.0	0.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	39	89	0.0	0.6	-0.6	
7	220 kV	BUDHIPADAR-KORBA	2	141	42	1.3	0.0	1.3	
						ER-WR	30.7	10.2	20.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	660	0.0	15.0	-15.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2488	0.0	35.7	-35.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2592	0.0	41.7	-41.7	
4	400 kV	TALCHER-J/C	2	606	938	3.3	0.0	3.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	92.4	-92.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	117	306	0.4	1.4	-1.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	350	246	2.8	0.0	2.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	37	59	0.0	0.0	0.0	
						ER-NER	3.3	1.4	1.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	20.9	-20.9	
2	HVDC	VINDHYACHAL B/B	-	445	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	310	0.0	3.0	-3.0	
4	765 kV	GWALIOR-AGRA	2	859	1684	0.0	16.7	-16.7	
5	765 kV	GWALIOR-PHAGI	2	898	1120	0.0	3.0	-3.0	
6	765 kV	JABALPUR-ORAI	2	314	648	0.0	10.7	-10.7	
7	765 kV	GWALIOR-ORAI	1	732	0	10.2	0.0	10.2	
8	765 kV	SATNA-ORAI	1	0	807	0.0	14.8	-14.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	847	185	4.7	0.0	4.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2821	0.0	49.4	-49.4	
11	400 kV	ZERDA-KANKROLI	1	251	23	2.7	0.0	2.7	
12	400 kV	ZERDA-BHINMAL	1	518	0	7.5	0.0	7.5	
13	400 kV	VINDHYACHAL-RIHAND	1	970	0	21.3	0.0	21.3	
14	400 kV	RAPP-SHILJALPUR	2	541	324	3.5	0.0	3.5	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4	
17	220 kV	MEHGAON-AURAIYA	1	144	0	1.3	0.0	1.3	
18	220 kV	MALANPUR-AURAIYA	1	105	0	2.1	0.0	2.1	
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	65.3	120.8	-55.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	493	813	3.5	8.3	-4.8	
2	HVDC	RAIGARH-PUGALUR	2	954	2501	0.0	6.4	-6.4	
3	765 kV	SOLAPUR-RAICHUR	2	1283	1382	1.0	0.0	1.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	3407	0.0	41.5	-41.5	
5	400 kV	KOLHAPUR-KUDGI	2	1573	0	28.6	0.0	28.6	
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	107	2.1	0.0	2.1	
						WR-SR	35.3	56.3	-21.0
<b>INTERNATIONAL EXCHANGES</b>									
						Import(+ve)/Export(-ve)			
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MIT)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	613	413	512	12.3			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1104	985	987	23.7			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	213	0	162	3.9			
	NER	132kV GELEPHU-SALAKATI	-13	-4	-8	-0.2			
	NER	132kV MOTANGA-RANGIA	-47	-17	-30	-0.7			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-63	0	-2	-0.1			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	435	318	401	9.6			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-926	-865	-890	-21.4			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-169	0	-165	-4.0			