



**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: 15<sup>th</sup> June 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 14.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-जून-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 14<sup>th</sup> June 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: 15-Jun-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)	65724	57277	44513	21980	2523	192017
Peak Shortage (MW)	2134	0	0	356	0	2490
Energy Met (MU)	1581	1365	1071	558	44	4619
Hydro Gen (MU)	307	30	60	97	31	524
Wind Gen (MU)	19	59	110	-	-	189
Solar Gen (MU)*	93.12	50.49	113.73	5.51	0.18	263
Energy Shortage (MU)	62.61	0.00	0.00	6.97	0.00	69.58
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70408	61006	50256	24443	2581	206071
Time Of Maximum Demand Met (From NLDC SCADA)	13:54	14:54	14:58	00:26	19:01	14:54

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	0.040	0.00	0.16	10.67	10.83	77.33	11.84

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	12024	0	265.4	157.6	-2.5	129	0.00
	Haryana	10583	0	235.0	158.9	1.3	375	2.72
	Rajasthan	13789	202	283.9	79.3	4.1	506	20.46
	Delhi	7139	0	144.2	131.8	-2.3	270	0.00
	UP	23252	1500	507.5	243.4	1.8	975	34.71
	Uttarakhand	2594	0	52.9	31.2	1.8	192	2.34
	HP	1739	0	36.5	7.4	0.6	199	0.00
	J&K(UT) & Ladakh(UT)	2128	50	48.3	28.4	0.5	179	2.38
	Chandigarh	377	0	7.5	7.2	0.4	48	0.00
	Chhattisgarh	4556	0	108.1	59.4	0.7	345	0.00
WR	Gujarat	18849	0	405.4	186.8	-5.1	851	0.00
	MP	10903	0	245.5	105.7	0.0	347	0.00
	Maharashtra	24467	0	547.4	159.0	-1.5	583	0.00
	Goa	604	0	12.7	12.3	-0.1	57	0.00
	DNHDDPDCL	1222	0	28.5	28.0	0.5	69	0.00
	AMNSIL	783	0	17.2	10.4	-0.5	156	0.00
SR	Andhra Pradesh	11145	0	220.4	85.1	2.3	805	0.00
	Telangana	8874	0	178.8	57.5	1.8	647	0.00
	Karnataka	11781	0	223.4	89.1	-2.8	417	0.00
	Kerala	3785	0	77.2	52.8	0.1	192	0.00
	Tamil Nadu	16274	0	360.8	178.4	1.4	1308	0.00
	Puducherry	444	0	10.1	9.5	-0.2	36	0.00
ER	Bihar	6192	0	130.3	117.1	1.0	215	3.16
	DVC	3540	0	76.8	-46.8	-0.1	361	0.00
	Jharkhand	1504	116	32.3	22.2	1.2	212	3.81
	Odisha	6299	0	129.2	60.1	0.2	456	0.00
	West Bengal	9442	0	188.1	58.6	0.0	472	0.00
NER	Sikkim	96	0	1.6	1.7	-0.1	19	0.00
	Arunachal Pradesh	138	0	2.3	1.9	0.4	18	0.00
	Assam	1570	0	27.3	20.8	0.6	89	0.00
	Manipur	164	0	2.5	2.5	0.0	24	0.00
	Meghalaya	288	0	4.0	-0.2	-0.1	29	0.00
	Mizoram	94	0	1.8	1.7	0.0	3	0.00
	Nagaland	131	0	2.7	2.1	0.1	6	0.00
	Tripura	241	0	3.8	3.1	0.0	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.4	5.2	-25.0
Day Peak (MW)	1407.0	315.7	-1052.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	367.9	-264.5	40.0	-124.2	-19.1	0.0
Actual(MU)	349.5	-279.6	45.1	-111.5	-21.8	-18.2
O/D/U/D(MU)	-18.4	-15.0	5.1	12.7	-2.6	-18.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2986	10403	5788	2930	638	22745	45
State Sector	8355	9779	7840	1410	110	27493	55
Total	11341	20181	13628	4340	749	50239	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	753	1457	602	604	18	3434	72
Lignite	28	14	66	0	0	108	2
Hydro	308	30	60	97	31	526	11
Nuclear	17	33	67	0	0	118	2
Gas, Naptha & Diesel	42	28	9	0	23	103	2
RES (Wind, Solar, Biomass & Others)	124	110	271	6	0	511	11
Total	1273	1672	1075	706	72	4799	100

Share of RES in total generation (%)	9.76	6.58	25.19	0.78	0.25	10.64
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.35	10.34	37.01	14.53	42.80	24.05

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.013
Based on State Max Demands	1.053

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: 15-Jun-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	1001	0.0	24.4	-24.4	
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3	
3	765 kV	GAYA-VARANASI	2	9	465	0.0	2.4	-2.4	
4	765 kV	SASARAM-FATEHPUR	1	0	497	0.0	8.7	-8.7	
5	765 kV	GAYA-BALIA	1	0	684	0.0	13.4	-13.4	
6	400 kV	PUSAULI-VARANASI	1	45	9	0.5	0.0	0.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	104	0.0	1.7	-1.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1092	0.0	19.5	-19.5	
9	400 kV	PATNA-BALIA	2	0	588	0.0	12.3	-12.3	
10	400 kV	NAUBATPUR-BALIA	2	0	620	0.0	12.3	-12.3	
11	400 kV	BIHARSHARIFF-BALIA	2	0	712	0.0	10.2	-10.2	
12	400 kV	MOTHARI-GORAKHPUR	2	0	491	0.0	7.6	-7.6	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	324	0.0	4.3	-4.3	
14	220 kV	SAHUPURI-KARAMNANA	1	0	185	0.0	3.2	-3.2	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
17	132 kV	KARMANASA-SAHUPURI	1	0	48	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	1.0	121.3	-120.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	27.6	0.0	27.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	979	0	14.6	0.0	14.6	
3	765 kV	JHARSUGUDA-DURG	2	0	314	7.6	0.0	7.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.8	-4.8	
5	400 kV	RANCHI-SIPAT	2	211	33	2.5	0.0	2.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	50	59	0.0	0.4	-0.4	
7	220 kV	BUDHIPADAR-KORBA	2	180	0	2.4	0.0	2.4	
						ER-WR	54.7	5.1	49.6
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	392	0.0	8.7	-8.7	
2	HVDC	TALCHER-KOLAR BIPOLAR	2	0	1995	0.0	41.2	-41.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2500	0.0	43.6	-43.6	
4	400 kV	TALCHER-J/C	2	271	140	3.9	0.0	3.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	93.6	-93.6
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	161	150	0.8	0.6	0.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	450	0	6.4	0.0	6.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	54	30	0.5	0.0	0.5	
						ER-NER	7.7	0.6	7.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1006	0.0	15.3	-15.3	
						NER-NR	0.0	15.3	-15.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4013	0.0	60.0	-60.0	
2	HVDC	VINDHYACHAL B/B	-	227	486	2.8	0.5	2.3	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2021	0.0	22.1	-22.1	
4	765 kV	GWALIOR-AGRA	2	0	2111	0.0	38.1	-38.1	
5	765 kV	GWALIOR-PHAGI	2	0	1518	0.0	28.1	-28.1	
6	765 kV	JABALPUR-ORAI	2	0	992	0.0	39.3	-39.3	
7	765 kV	GWALIOR-ORAI	1	643	0	12.1	0.0	12.1	
8	765 kV	SATNA-ORAI	1	0	1064	0.0	23.5	-23.5	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	1043	93	10.8	0.0	10.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3497	0.0	69.5	-69.5	
11	400 kV	ZERDA-KANKROLI	1	229	0	3.0	0.0	3.0	
12	400 kV	ZERDA-BHINMAL	1	408	0	5.6	0.0	5.6	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHUJALPUR	2	0	400	0.0	6.0	-6.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3	
17	220 kV	MEHGAON-AURAIYA	1	119	0	0.9	0.0	0.9	
18	220 kV	MALANPUR-AURAIYA	1	80	0	1.7	0.0	1.7	
19	132 kV	GWALIOR-SAWAL 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	58.7	289.4	-230.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	984	0	13.4	0.0	13.4	
2	HVDC	RAIGARH-PUGALUR	2	2869	0	20.9	0.0	20.9	
3	765 kV	SOLAPUR-RAICHUR	2	570	1896	0.0	16.9	-16.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2644	0.0	43.6	-43.6	
5	400 kV	KOLHAPUR-KUDGI	2	1476	0	25.2	0.0	25.2	
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	96	2.0	0.0	2.0	
						WR-SR	61.5	60.6	0.9

INTERNATIONAL EXCHANGES						Import(+ve)/Export(-ve)	
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)	
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	493	388	410	9.9	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*70MW))	721	449	569	13.7	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	166	56	71	1.7	
	NER	132kV GELEPHU-SALAKATI	-9	0	-3	-0.1	
	NER	132kV MOTANGA-RANGIA	-40	-24	-32	-0.8	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.6	
	ER	NEPAL IMPORT (FROM BIHAR)	25	0	2	0.0	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	367	153	281	6.8	
ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-923	-934	-22.4		

BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-110	0	-107	-2.6
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