



**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: 4<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 03.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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:

04-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)	63100	59712	43886	24235	2924	193857
Peak Shortage (MW)	446	0	0	822	0	1268
Energy Met (MU)	1505	1440	1077	560	57	4638
Hydro Gen (MU)	255	41	81	84	26	487
Wind Gen (MU)	28	188	143	-	-	359
Solar Gen (MU)*	109.88	51.75	114.20	4.93	0.41	281
Energy Shortage (MU)	23.32	0.00	0.00	6.04	0.00	29.36
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67362	63479	49868	25352	2955	203910
Time Of Maximum Demand Met (From NLDC SCADA)	12:45	15:26	15:01	23:48	19:44	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	0.060	0.00	2.13	14.12	16.25	73.10	10.65

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	9714	0	212.5	99.6	-0.8	137	0.00
	Haryana	9340	0	200.6	134.0	0.3	228	0.25
	Rajasthan	15593	0	312.6	91.6	1.1	397	6.29
	Delhi	6518	0	130.5	119.2	-0.7	204	0.00
	UP	24365	520	508.5	250.7	2.5	628	12.62
	Uttarakhand	2180	0	49.5	29.0	0.9	135	1.27
	HP	1606	0	35.0	9.4	1.1	137	0.02
	J&K(UT) & Ladakh(UT)	2357	200	48.9	27.1	2.9	306	2.87
WR	Chandigarh	335	0	6.9	6.7	0.3	41	0.00
	Chhattisgarh	4522	0	108.1	53.0	0.5	218	0.00
	Gujarat	20075	0	439.1	182.0	-2.3	675	0.00
	MP	11362	0	262.3	133.3	-0.9	409	0.00
	Maharashtra	25581	0	573.2	169.0	-4.1	752	0.00
	Goa	648	0	14.4	13.7	0.2	53	0.00
	DNHDDPDCL	1196	0	27.9	27.6	0.3	353	0.00
	AMNSIL	710	0	15.3	10.2	-0.4	278	0.00
SR	Andhra Pradesh	11352	0	226.2	105.8	3.7	1047	0.00
	Telangana	9246	0	184.5	61.1	1.7	517	0.00
	Karnataka	10583	0	204.5	35.0	-1.4	637	0.00
	Kerala	3803	0	78.9	51.4	-0.7	253	0.00
	Tamil Nadu	17517	0	372.8	164.0	-1.0	783	0.00
	Puducherry	447	0	9.7	9.8	-0.1	60	0.00
	Bihar	6369	0	131.3	119.3	-0.9	329	1.64
ER	DVC	3484	0	76.4	-39.6	0.5	439	0.00
	Jharkhand	1378	0	29.4	24.3	1.6	184	4.40
	Odisha	6231	0	136.1	60.0	5.1	761	0.00
	West Bengal	9248	0	185.3	54.7	1.8	530	0.00
	Sikkim	103	0	1.5	1.6	-0.2	15	0.00
NER	Arunachal Pradesh	136	0	2.5	2.7	-0.3	7	0.00
	Assam	1918	0	36.2	30.0	-0.2	126	0.00
	Manipur	162	0	2.6	2.5	0.1	21	0.00
	Meghalaya	313	0	6.1	0.3	-0.1	40	0.00
	Mizoram	99	0	2.0	1.8	-0.2	13	0.00
	Nagaland	136	0	2.5	2.2	-0.1	19	0.00
	Tripura	280	0	4.8	3.5	0.1	63	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.8	-3.0	-24.7
Day Peak (MW)	904.0	-168.2	-1059.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	298.0	-204.2	-1.8	-94.0	1.9	0.0
Actual(MU)	290.0	-208.3	-6.9	-81.4	-4.0	-10.6
O/D/U/D(MU)	-8.0	-4.1	-5.1	12.6	-5.9	-10.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3194	13037	6098	2610	706	25645	45
State Sector	8738	10714	8451	2880	118	30900	55
Total	11932	23751	14549	5490	824	56545	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	759	1342	589	590	16	3296	69
Lignite	23	14	75	0	0	113	2
Hydro	255	41	81	84	26	487	10
Nuclear	24	33	63	0	0	119	2
Gas, Naptha & Diesel	26	7	9	0	23	64	1
RES (Wind, Solar, Biomass & Others)	151	240	306	5	0	703	15
Total	1238	1677	1123	679	65	4782	100

Share of RES in total generation (%)	12.22	14.33	27.29	0.73	0.63	14.71
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.72	18.72	40.09	13.15	40.46	27.39

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.074

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: 04-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	350	0.0	8.6	-8.6	
2	HVDC	PUSAULI B/B	-	2	49	0.0	0.3	-0.3	
3	765 kV	GAYA-VARANASI	2	285	255	0.0	0.2	-0.2	
4	765 kV	SASARAM-FATEHPUR	1	0	399	0.0	6.9	-6.9	
5	765 kV	GAYA-BALIA	1	0	765	0.0	12.5	-12.5	
6	400 kV	PUSAULI-VARANASI	1	45	16	0.0	0.4	0.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	85	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	701	0.0	11.4	-11.4	
9	400 kV	PATNA-BALIA	2	0	589	0.0	12.0	-12.0	
10	400 kV	NAUBATPUR-BALIA	2	0	627	0.0	13.1	-13.1	
11	400 kV	BIHARSHARIF-BALIA	2	0	517	0.0	7.3	-7.3	
12	400 kV	MOTHARI-GORAKHPUR	2	0	404	0.0	7.3	-7.3	
13	400 kV	BIHARSHARIF-VARANASI	2	3	218	0.0	2.5	-2.5	
14	220 kV	SAHUPURI-KARAMNANA	1	0	172	0.0	3.1	-3.1	
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	0.7	85.8	-85.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	25.6	0.0	25.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1175	0	14.4	0.0	14.4	
3	765 kV	JHARSUGUDA-DURG	2	0	314	6.6	0.0	6.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	1.4	0.0	1.4	
5	400 kV	RANCHI-SIPAT	2	264	0	3.2	0.0	3.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	94	0.0	1.4	-1.4	
7	220 kV	BUDHIPADAR-KORBA	2	140	0	2.3	0.0	2.3	
						ER-WR	53.4	1.4	52.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	432	0.0	9.5	-9.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1493	0.0	29.0	-29.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2660	0.0	47.0	-47.0	
4	400 kV	TALCHER-J/C	2	871	0	16.0	0.0	16.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	85.5	-85.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	84	265	0.0	3.0	-3.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	167	327	0.0	2.7	-2.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	13	86	0.0	1.0	-1.0	
						ER-NER	0.0	6.8	-6.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.3	-12.3	
						NER-NR	0.0	12.3	-12.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3015	0.0	67.5	-67.5	
2	HVDC	VINDHYACHAL B/B	-	446	0	10.6	0.0	10.6	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	310	0.0	7.3	-7.3	
4	765 kV	GWALIOR-AGRA	2	0	2260	0.0	33.7	-33.7	
5	765 kV	GWALIOR-PHAGI	2	74	1414	0.0	17.2	-17.2	
6	765 kV	JABALPUR-ORAI	2	0	1073	0.0	31.8	-31.8	
7	765 kV	GWALIOR-ORAI	1	536	0	9.0	0.0	9.0	
8	765 kV	SATNA-ORAI	1	0	1054	0.0	21.3	-21.3	
9	765 kV	BANASKANTHA-CHITORGARH	2	760	766	0.0	2.2	-2.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3430	0.0	63.8	-63.8	
11	400 kV	ZERDA-KANKROLI	1	235	47	2.0	0.0	2.0	
12	400 kV	ZERDA-BHINMAL	1	381	48	4.0	0.0	4.0	
13	400 kV	VINDHYACHAL-RIHAND	1	974	0	22.3	0.0	22.3	
14	400 kV	RAPP-SHUJALPUR	2	291	504	1.5	3.3	-1.8	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4	
17	220 kV	MEHGAON-AURAIYA	1	101	0	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	66	6	1.5	0.0	1.5	
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	51.6	250.5	-198.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	21	21.8	0.0	21.8	
2	HVDC	RAIGARH-PUGALUR	2	2140	0	29.2	0.0	29.2	
3	765 kV	SOLAPUR-RAICHUR	2	1517	1622	5.2	6.9	-1.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	2402	0.0	37.8	-37.8	
5	400 kV	KOLHAPUR-KUDGI	2	1708	0	29.7	0.0	29.7	
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	106	2.1	0.0	2.1	
						WR-SR	87.8	44.7	43.1

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)	410	0	301	7.2
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*700MW))	371	216	239	5.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	175	0	96	2.3
	NER	132kV GELEPHU-SALAKATI	23	4	12	0.3
	NER	132kV MOTANGA-RANGIA	70	29	50	1.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-65	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-33	-10	-19	-0.5
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-58	-27	-42	-1.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-929	-923	-924	-22.2
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-130	0	-103	-2.5