



**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: 3<sup>rd</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 02.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02<sup>nd</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: 03-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)	62531	59120	43765	23456	3140	192012
Peak Shortage (MW)	825	0	0	577	0	1402
Energy Met (MU)	1480	1434	1086	557	59	4616
Hydro Gen (MU)	252	25	74	76	22	450
Wind Gen (MU)	20	166	173	-	-	359
Solar Gen (MU)*	104.55	52.16	115.13	4.89	0.49	277
Energy Shortage (MU)	22.52	0.00	0.00	6.26	0.19	28.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66540	63410	50324	24226	3198	202284
Time Of Maximum Demand Met (From NLDC SCADA)	22:16	14:57	14:55	23:16	19:12	14:30

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	0.088	2.05	3.55	9.13	14.73	74.08	11.19

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	9536	0	205.0	99.4	-1.1	74	0.00
	Haryana	9080	57	195.8	127.1	1.4	293	0.66
	Rajasthan	15415	0	307.5	92.3	3.1	455	7.25
	Delhi	6442	0	128.9	116.7	-0.2	244	0.00
	UP	24022	870	503.2	247.4	2.1	1141	11.22
	Uttarakhand	2289	0	50.4	31.9	0.1	112	0.08
	HP	1618	0	34.2	10.5	0.7	210	0.00
	J&K(UT) & Ladakh(UT)	2222	0	48.8	28.8	1.3	424	3.31
	Chandigarh	339	0	6.6	6.5	0.1	29	0.00
	WR	Chhattisgarh	4433	0	106.1	52.3	0.0	192
Gujarat		20382	0	437.7	194.1	0.0	956	0.00
MP		11426	0	260.6	141.6	1.0	376	0.00
Maharashtra		25313	0	570.6	177.2	-3.0	1258	0.00
Goa		622	0	14.5	13.9	0.1	47	0.00
DNHDDPDCL		1210	0	28.0	27.4	0.6	348	0.00
AMNSIL		770	0	16.4	9.9	0.4	258	0.00
SR	Andhra Pradesh	11484	0	229.1	100.9	3.2	1216	0.00
	Telangana	9227	0	187.7	67.2	0.7	513	0.00
	Karnataka	11095	0	212.7	36.8	1.3	700	0.00
	Kerala	3794	0	76.9	49.4	-0.4	294	0.00
	Tamil Nadu	16733	0	370.7	155.0	-0.2	955	0.00
	Puducherry	442	0	9.4	9.5	-0.2	40	0.00
ER	Bihar	6302	245	129.1	117.2	-0.8	269	2.19
	DVC	3526	0	76.4	-42.5	-0.1	260	0.00
	Jharkhand	1386	291	30.3	24.4	0.3	181	4.06
	Odisha	6334	0	134.7	59.1	0.6	540	0.00
	West Bengal	8868	0	185.2	57.1	-0.3	617	0.00
NER	Sikkim	103	0	1.6	1.7	-0.1	21	0.00
	Arunachal Pradesh	140	0	2.6	2.6	-0.1	24	0.00
	Assam	2080	0	38.4	33.0	0.3	113	0.00
	Manipur	196	0	2.6	2.5	0.1	39	0.00
	Meghalaya	340	0	5.7	0.2	0.0	50	0.19
	Mizoram	111	0	1.7	1.8	-0.2	15	0.00
	Nagaland	143	0	2.5	2.3	0.1	15	0.00
	Tripura	288	0	5.2	3.7	0.2	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.8	-0.6	-25.0
Day Peak (MW)	753.0	37.1	-1059.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	291.8	-201.1	-4.1	-90.9	4.3	0.0
Actual(MU)	289.6	-201.4	-11.6	-88.6	1.8	-10.1
O/D/U/D(MU)	-2.1	-0.3	-7.5	2.3	-2.5	-10.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3283	12886	5598	2610	672	25049	45
State Sector	8603	11209	7811	3070	97	30789	55
Total	11886	24094	13409	5680	769	55837	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	744	1365	581	607	16	3314	70
Lignite	25	15	75	0	0	115	2
Hydro	252	25	74	76	22	450	9
Nuclear	24	33	62	0	0	119	2
Gas, Naptha & Diesel	22	6	8	0	23	59	1
RES (Wind, Solar, Biomass & Others)	141	219	338	5	0	704	15
Total	1209	1662	1139	688	62	4761	100

Share of RES in total generation (%)	11.68	13.17	29.71	0.72	0.79	14.78
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.52	16.63	41.68	11.78	36.13	26.72

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.076

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: 03-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	8.5	-8.5	
2	HVDC	PUSAULI-B/B	2	3	49	0.0	0.1	-0.1	
3	765 kV	GAYALYARANASI	2	251	293	0.0	1.5	-1.5	
4	765 kV	SASARAM-FATEHPUR	1	0	369	0.0	6.0	-6.0	
5	765 kV	GAYA-BALIA	1	0	716	0.0	13.2	-13.2	
6	400 kV	PUSAULI-VARANASI	1	50	0	0.8	0.0	0.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	83	0.0	0.8	-0.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	636	0.0	8.9	-8.9	
9	400 kV	PATNA-BALIA	2	0	607	0.0	12.5	-12.5	
10	400 kV	NAUBATPUR-BALIA	2	0	647	0.0	13.7	-13.7	
11	400 kV	BIHARSHARIFF-BALIA	2	0	492	0.0	5.2	-5.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	408	0.0	7.1	-7.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	52	210	0.0	2.9	-2.9	
14	220 kV	SINHPUR-KARAMUNSA	1	0	183	0.0	2.9	-2.9	
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	1.1	83.1	-82.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	25.0	0.0	25.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	963	0	14.4	0.0	14.4	
3	765 kV	JHARSUGUDA-DURG	2	0	314	5.6	0.0	5.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	3.7	-3.7	
5	400 kV	RANCHI-SIPAT	2	238	0	3.3	0.0	3.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	2	87	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	149	0	2.0	0.0	2.0	
						ER-WR	50.2	4.7	45.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	428	0.0	9.5	-9.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1042	0.0	24.1	-24.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2629	0.0	49.7	-49.7	
4	400 kV	TALCHER-I/C	2	1308	0	20.9	0.0	20.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	83.3	-83.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	330	0.0	5.4	-5.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	1	428	0.0	5.5	-5.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	101	0.0	1.6	-1.6	
						ER-NER	0.0	12.5	-12.5
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPACKURUKSHETRA	2	0	3513	0.0	76.1	-76.1	
2	HVDC	VINDHYACHAL-B/B	2	443	0	8.4	0.0	8.4	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	311	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	2090	0.0	31.6	-31.6	
5	765 kV	GWALIOR-PHAGI	2	0	1387	0.0	20.5	-20.5	
6	765 kV	JABALPUR-ORAI	2	0	996	0.0	29.2	-29.2	
7	765 kV	GWALIOR-ORAI	1	641	0	11.0	0.0	11.0	
8	765 kV	SATNA-ORAI	1	0	1024	0.0	21.1	-21.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	918	673	5.2	2.8	2.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3342	0.0	64.6	-64.6	
11	400 kV	ZERDA-KANKROLI	1	298	48	2.8	0.0	2.8	
12	400 kV	ZERDA-BHINMAL	1	506	106	4.7	0.0	4.7	
13	400 kV	VINDHYACHAL-RIHAND	1	974	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHULALPUR	2	329	396	1.4	3.2	-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	2.2	-2.2	
17	220 kV	MEHGAON-AURAIYA	1	94	0	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	53	5	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	57.6	258.7	-201.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	312	9.7	0.0	9.7	
2	HVDC	RAIGARH-PUGALUR	2	2147	0	47.6	0.0	47.6	
3	765 kV	SOLAPUR-RAICHUR	2	1440	1514	5.6	7.5	-1.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2358	0.0	36.9	-36.9	
5	400 kV	KOLHAPUR-KUDCI	2	1753	0	24.6	0.0	24.6	
6	220 kV	KOLHAPUR-CHIKODI	1	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	1	114	2.2	0.0	2.2	
						WR-SR	89.6	44.4	45.2

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
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)	316	0	269	6.5	
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	258	0	223	5.4	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	124	89	102	2.4	
	NER	132KV GELEPHU-SALAKATI	17	0	13	0.3	
	NER	132KV MOTANGA-RANGIA	61	28	49	1.2	
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-67	-1.6	
	ER	NEPAL IMPORT (FROM BHAR)	34	0	-12	-0.3	
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	81	43	55	1.3	
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-929	-925	-927	-22.3	
BANGLADESH	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-130	0	-116	-2.8	