



**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: 30<sup>th</sup> March 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 29.03.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-मार्च -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 29<sup>th</sup> March 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: 30-Mar-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 19:00 hrs; from RLDCs)	50675	61321	47824	23686	2666	186172
Peak Shortage (MW)	670	417	300	611	0	1998
Energy Met (MU)	1164	1462	1234	523	47	4430
Hydro Gen (MU)	171	64	100	50	11	395
Wind Gen (MU)	15	114	31	-	-	160
Solar Gen (MU)*	100.03	50.67	111.37	5.02	0.21	267
Energy Shortage (MU)	10.76	5.35	14.04	8.33	0.00	38.48
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53009	64447	59360	24128	2720	198182
Time Of Maximum Demand Met (From NLDC SCADA)	19:20	11:01	12:26	20:14	18:25	10:59

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	0.064	1.40	2.65	6.91	10.96	78.61	10.43

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	7280	0	152.1	62.4	-0.1	194	2.35
	Haryana	7102	0	144.2	99.1	0.7	220	1.93
	Rajasthan	12430	0	255.8	46.3	-1.0	355	0.00
	Delhi	4241	0	89.1	76.6	-0.2	205	0.01
	UP	18391	0	394.9	157.0	-0.6	521	1.74
	Uttarakhand	1946	0	41.3	27.3	0.0	273	0.08
	HP	1529	0	30.7	12.2	-0.9	217	0.00
	J&K(UT) & Ladakh(UT)	2314	250	52.1	33.3	8.4	754	4.65
WR	Chandigarh	214	0	4.2	5.0	-0.8	19	0.00
	Chhattisgarh	4901	0	118.3	54.5	0.0	261	0.00
	Gujarat	19263	0	427.8	196.8	0.1	758	0.00
	MP	12265	0	257.9	136.9	-3.8	335	0.00
	Maharashtra	27784	93	601.7	176.1	1.8	1214	2.56
	Goa	669	0	13.3	12.9	0.0	96	0.00
	DD	346	0	7.7	7.1	0.6	111	0.00
	DNH	775	118	17.7	16.9	0.8	129	2.79
SR	AMNSIL	780	0	17.4	9.8	0.1	278	0.00
	Andhra Pradesh	11163	0	221.0	103.5	5.2	935	14.04
	Telangana	14160	0	280.0	141.3	-1.3	430	0.00
	Karnataka	13948	0	268.5	75.7	2.1	1260	0.00
	Kerala	4032	0	79.7	51.0	-0.9	168	0.00
	Tamil Nadu	17196	0	375.4	238.0	-0.8	421	0.00
ER	Puducherry	455	0	9.4	9.3	0.0	70	0.00
	Bihar	5512	0	113.5	103.7	1.6	275	3.53
	DVC	4030	0	75.7	-45.4	2.0	195	0.00
	Jharkhand	1595	0	32.4	23.8	0.0	282	4.80
	Odisha	5467	0	115.2	52.2	-0.8	740	0.00
	West Bengal	8984	0	184.6	47.2	0.2	326	0.00
NER	Sikkim	108	0	1.7	1.7	0.0	27	0.00
	Arunachal Pradesh	140	0	2.3	2.4	-0.2	20	0.00
	Assam	1594	0	27.8	22.3	-0.1	123	0.00
	Manipur	200	0	2.7	2.7	0.0	33	0.00
	Meghalaya	356	0	6.5	4.7	0.0	59	0.00
	Mizoram	111	0	1.7	1.4	-0.2	16	0.00
	Nagaland	137	0	2.3	2.1	0.1	15	0.00
Tripura	234	0	3.9	3.4	-0.2	30	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	5.8	-7.7	-25.5
Day Peak (MW)	506.0	-570.0	-1119.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.8	-226.4	206.1	-99.3	1.8	0.0
Actual(MU)	98.1	-214.7	204.8	-95.1	0.2	-6.7
O/D/U/D(MU)	-19.7	11.7	-1.3	4.2	-1.6	-6.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3759	11738	6278	2121	385	24281	42
State Sector	9974	13701	6442	2788	11	32915	58
Total	13733	25438	12720	4909	396	57196	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	690	1414	668	599	13	3382	75
Lignite	18	12	43	0	0	74	2
Hvdro	171	64	100	50	11	395	9
Nuclear	32	32	47	0	0	111	2
Gas, Naptha & Diesel	24	16	9	0	29	78	2
RES (Wind, Solar, Biomass & Others)	148	166	177	5	0	496	11
Total	1082	1704	1043	654	53	4536	100
Share of RES in total generation (%)	13.71	9.73	16.96	0.77	0.40	10.94	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.42	15.39	31.00	8.38	20.58	22.09	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.068

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: 30-Mar-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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	2	4	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	242	193	0.1	0.0	0.1	
4	765 kV	SASARAM-FATEHPUR	1	0	249	0.0	4.2	-4.2	
5	765 kV	GAYA-BALIA	1	0	640	0.0	12.3	-12.3	
6	400 kV	PUSAULI-VARANASI	1	5	62	0.0	0.9	-0.9	
7	400 kV	PUSAULI-ALLAHABAD	1	53	64	0.0	0.4	-0.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	264	368	0.0	3.0	-3.0	
9	400 kV	PATNA-BALIA	2	0	521	0.0	10.3	-10.3	
10	400 kV	NAUBATPUR-BALIA	2	0	580	0.0	10.9	-10.9	
11	400 kV	BIHARSHARIFF-BALIA	2	129	261	0.0	2.3	-2.3	
12	400 kV	MOTIHARI-GORAKHPUR	2	346	0	4.1	0.0	4.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	88	144	0.0	1.0	-1.0	
14	220 kV	SINPUR-BIKRAMNASI	1	0	144	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	0.0	0.4	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	1.0	0.0	1.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	5.6	47.6	-42.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	912	0	14.5	0.0	14.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1167	0	13.6	0.0	13.6	
3	765 kV	JHARSUGUDA-DURG	2	162	261	0.0	2.4	-2.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	300	0.0	5.1	-5.1	
5	400 kV	RANCHI-SIPAT	2	225	30	1.5	0.0	1.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	145	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	223	0	3.5	0.0	3.5	
						ER-WR	33.0	9.7	23.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	715	0.0	16.2	-16.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1983	0.0	44.8	-44.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2742	0.0	52.5	-52.5	
4	400 kV	TALCHER-I/C	2	421	165	0.5	0.0	0.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	113.5	-113.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	25	178	0.0	2.5	-2.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	306	0.0	4.5	-4.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	55	0.0	0.8	-0.8	
						ER-NER	0.0	7.8	-7.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	353	0.0	8.4	-8.4	
						NER-NR	0.0	8.4	-8.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1	0.0	0.0	0.0	
2	HVDC	VINDHYACHAL B/B	2	446	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	0	1624	0.0	26.8	-26.8	
5	765 kV	GWALIOR-PHAGI	2	483	1105	1.4	13.7	-12.3	
6	765 kV	JABALPUR-ORAI	2	14	629	0.0	17.9	-17.9	
7	765 kV	GWALIOR-ORAI	1	702	0	12.9	0.0	12.9	
8	765 kV	SATNA-ORAI	1	0	830	0.0	17.1	-17.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	1285	0	17.6	0.0	17.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2981	0.0	55.5	-55.5	
11	400 kV	ZERDA-KANKROLI	1	294	0	5.5	0.0	5.5	
12	400 kV	ZERDA-JBHINMAL	1	440	0	6.9	0.0	6.9	
13	400 kV	VINDHYACHAL-RIHAND	1	976	0	22.2	0.0	22.2	
14	400 kV	RAPP-SHULIAPUR	2	572	140	4.4	0.2	4.2	
15	220 kV	BHANPURA-RANPUR	1	188	40	1.7	0.0	1.6	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0	
17	220 kV	MEHGAON-AURAIYA	1	113	0	0.9	0.0	0.9	
18	220 kV	MALANPUR-AURAIYA	1	70	0	1.8	0.0	1.8	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	87.4	137.5	-50.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1023	0.0	21.7	-21.7	
2	HVDC	RAIGARH-PUGALUR	2	0	4510	0.0	72.2	-72.2	
3	765 kV	SOLAPUR-RAICHUR	2	51	1716	0.0	20.4	-20.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	2902	0.0	47.4	-47.4	
5	400 kV	KOLHAPUR-KUDCI	2	1243	0	18.2	0.0	18.2	
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	128	2.5	0.0	2.5	
						WR-SR	20.6	161.7	-141.1

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)	233	104	126	3.0	
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	261	147	160	3.9	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	59	28	58	1.4	
	NER	132KV GELEPHU-SALAKATI	12	0	4	0.1	
	NER	132KV MOTANGA-RANGIA	29	1	11	0.3	
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-66	-1.6	
	ER	NEPAL IMPORT (FROM BIHAR)	-321	-9	-169	-4.1	
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-170	0	-86	-2.1	
	NER	132KV COMILLA-SURAJMANI 1&2	-171	0	-138	-3.3	
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-948	-913	-925	-22.2	