



**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: 05<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 04.03.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04<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: 05-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)	50505	57764	47176	20395	2587	178427
Peak Shortage (MW)	251	0	0	507	0	758
Energy Met (MU)	1053	1383	1175	422	46	4080
Hydro Gen (MU)	128	51	106	29	9	323
Wind Gen (MU)	12	94	64	-	-	170
Solar Gen (MU)*	93.85	47.35	118.77	5.53	0.45	266
Energy Shortage (MU)	4.84	0.00	0.00	3.26	0.00	8.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52616	63172	57329	20661	2660	192330
Time Of Maximum Demand Met (From NLDC SCADA)	07:58	11:30	10:56	18:38	18:02	11:30

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	0.046	0.00	0.59	8.63	9.22	73.80	16.98

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	7096	0	138.3	40.3	-0.1	72	0.00
	Haryana	6999	0	131.3	77.3	0.8	241	0.00
	Rajasthan	15269	0	272.8	48.6	0.2	291	0.00
	Delhi	3796	0	65.3	53.4	-0.7	170	0.00
	UP	17409	0	312.1	96.3	-0.1	459	0.00
	Uttarakhand	2081	0	38.6	25.2	1.2	260	0.19
	HP	1847	0	32.7	23.9	0.0	110	0.00
	J&K(UT) & Ladakh(UT)	2816	300	58.6	52.5	0.5	277	4.65
WR	Chandigarh	209	0	3.2	3.7	-0.5	8	0.00
	Chhattisgarh	4664	0	107.1	48.5	-0.8	491	0.00
	Gujarat	16999	0	378.3	187.1	0.3	490	0.00
	MP	14011	0	284.9	154.4	-0.5	606	0.00
	Maharashtra	25961	0	556.1	174.3	0.1	854	0.00
	Goa	636	0	12.7	12.4	-0.1	29	0.00
	DD	327	0	7.0	6.8	0.2	42	0.00
	DNH	862	0	20.0	19.8	0.2	41	0.00
SR	AMNSIL	770	0	17.0	5.8	-0.8	197	0.00
	Andhra Pradesh	10844	0	212.4	80.6	0.3	451	0.00
	Telangana	13611	0	268.7	133.5	0.6	593	0.00
	Karnataka	14180	0	268.2	100.0	1.8	894	0.00
	Kerala	4038	0	81.2	56.2	-0.7	265	0.00
	Tamil Nadu	15927	0	336.8	199.3	1.1	857	0.00
	Puducherry	386	0	7.9	8.1	-0.2	25	0.00
	ER	Bihar	4637	0	81.6	74.4	0.3	277
DVC		3325	0	71.5	50.5	-1.4	246	0.00
Jharkhand		1442	0	28.1	18.2	-0.2	204	2.36
Odisha		5080	0	107.8	48.5	0.3	679	0.00
West Bengal		6732	0	131.4	7.3	-0.6	357	0.00
Sikkim		121	0	1.9	2.0	-0.1	20	0.00
NER	Arunachal Pradesh	146	0	2.3	2.6	-0.3	30	0.00
	Assam	1560	0	26.0	19.1	0.6	125	0.00
	Manipur	211	0	3.2	3.0	0.2	25	0.00
	Meghalaya	384	0	6.9	5.9	0.1	66	0.00
	Mizoram	81	0	1.7	1.5	-0.3	7	0.00
	Nagaland	148	0	2.4	2.2	0.1	12	0.00
	Tripura	226	0	3.8	2.2	-0.3	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.9	-11.3	-19.8
Day Peak (MW)	-262.0	-583.1	-838.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	114.1	-151.9	183.8	-148.9	3.0	0.0
Actual(MU)	104.7	-137.4	201.3	-172.4	1.0	-2.9
O/D/U/D(MU)	-9.4	14.5	17.5	-23.5	-2.0	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6990	14590	7392	2581	673	32226	46
State Sector	10329	17534	8058	2020	11	37952	54
Total	17319	32123	15450	4601	685	70178	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	640	1289	560	605	15	3108	74
Lignite	24	15	32	0	0	71	2
Hydro	128	51	106	29	9	323	8
Nuclear	33	33	63	0	0	129	3
Gas, Naptha & Diesel	15	14	9	0	27	65	2
RES (Wind, Solar, Biomass & Others)	132	143	213	6	0	494	12
Total	971	1544	984	639	50	4189	100

Share of RES in total generation (%)	13.63	9.23	21.68	0.87	0.89	11.80
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	30.13	14.69	38.89	5.45	18.12	22.59

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.066

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: 05-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	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	783	0.0	12.5	-12.5	
4	765 kV	SASARAMI-FATEHPUR	1	0	515	0.0	9.6	-9.6	
5	765 kV	GAYA-BALIA	1	0	703	0.0	12.4	-12.4	
6	400 kV	PUSAULLY-VARANASI	1	64	75	0.0	0.2	-0.2	
7	400 kV	PUSAULI-ALLAHABAD	1	1	127	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	771	0.0	9.0	-9.0	
9	400 kV	PATNA-BALIA	4	0	952	0.0	17.8	-17.8	
10	400 kV	BIHARSHARIFF-BALIA	2	0	699	0.0	9.2	-9.2	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	524	0.0	8.5	-8.5	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	372	0.0	6.2	-6.2	
13	220 kV	SAHUPURI-KARAMNANA	1	0	109	0.0	1.2	-1.2	
14	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	87.9	-87.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	729	383	8.5	0.0	8.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	18	984	0.0	11.9	-11.9	
3	765 kV	JHARSUGUDA-DURG	2	0	793	0.0	7.5	-7.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	566	0.0	8.5	-8.5	
5	400 kV	RANCHI-SIPAT	2	0	293	0.0	3.6	-3.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	195	0.0	3.1	-3.1	
7	220 kV	BUDHIPADAR-KORBA	2	122	31	1.2	0.0	1.2	
						ER-WR	9.7	34.6	-24.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	394	0.0	8.7	-8.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1993	0.0	46.7	-46.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2914	0.0	59.2	-59.2	
4	400 kV	TALCHER-IC	2	418	340	0.0	2.5	-2.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	114.6	-114.6
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	320	16	3.4	0.0	3.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	425	0	5.8	0.0	5.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	74	0	1.0	0.0	1.0	
						ER-NER	10.1	0.0	10.1
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	470	0	11.6	0.0	11.6	
						NER-NR	11.6	0.0	11.6
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	337	0.0	7.7	-7.7	
2	HVDC	VINDHYACHAL B/B	-	0	103	0.0	2.4	-2.4	
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	254	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	0	1728	0.0	18.2	-18.2	
5	765 kV	GWALIOR-PHAGI	2	100	1403	0.1	17.6	-17.6	
6	765 kV	JABALPUR-ORAI	2	0	815	0.0	17.1	-17.1	
7	765 kV	GWALIOR-ORAI	1	825	0	13.8	0.0	13.8	
8	765 kV	SATNA-ORAI	1	0	972	0.0	17.9	-17.9	
9	765 kV	BANASKANTHA-CHITORGARH	2	1937	0	30.4	0.0	30.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2169	0.0	27.1	-27.1	
11	400 kV	ZERDA-KANKROLI	1	350	0	4.4	0.0	4.4	
12	400 kV	ZERDA-BHINMAL	1	600	0	7.7	0.0	7.7	
13	400 kV	VINDHYACHAL-RIHAND	1	983	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUALPUR	2	560	146	4.9	0.2	4.8	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0	
17	220 kV	MEHGAON-AURAIYA	1	136	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	63	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	86.0	114.4	-28.4
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	21.6	-21.6	
2	HVDC	RAIGARH-PUGALUR	2	0	4010	0.0	56.0	-56.0	
3	765 kV	SOLAPUR-RAICHUR	2	214	2040	0.1	20.9	-20.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	3227	0.0	55.6	-55.6	
5	400 kV	KOLHAPUR-KUDGI	2	1173	0	18.0	0.0	18.0	
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	110	2.0	0.0	2.0	
						WR-SR	20.2	154.1	-133.9

**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)	164	10	35	0.8
	ER	400kV TALA-BINAGURI 1,2,4 & 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	0	0	0	0.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0
	NER	132kV GELEPHU-SALAKATI	17	4	10	0.2
	NER	132kV MOTANGA-RANGIA	13	0	2	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-69	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-130	-14	-78	-1.9
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-375	0	-325	-7.8
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-734	-685	-726	-17.4
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-104	0	-98	-2.3