



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: 03rd 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 02.03.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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: 03-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)	49469	57684	45597	20231	2617	175598
Peak Shortage (MW)	250	0	0	355	0	605
Energy Met (MU)	1033	1368	1147	419	46	4014
Hydro Gen (MU)	126	47	93	26	8	300
Wind Gen (MU)	22	66	79	-	-	167
Solar Gen (MU)*	79.94	47.14	120.22	5.29	0.46	253
Energy Shortage (MU)	4.65	0.00	0.00	1.22	0.00	5.87
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52283	63500	56218	20674	2702	189209
Time Of Maximum Demand Met (From NLDC SCADA)	07:25	11:31	09:30	18:31	18:03	10:44

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	0.039	0.00	0.88	5.34	6.21	72.25	21.54

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	6961	0	135.6	40.4	-0.2	99	0.00
	Haryana	6985	0	130.7	72.7	0.5	157	0.00
	Rajasthan	15296	0	265.1	47.7	-2.7	637	0.00
	Delhi	3624	0	63.2	51.7	-1.5	146	0.00
	UP	17521	0	309.4	97.8	1.4	471	0.00
	Uttarakhand	2078	0	37.4	23.8	0.5	198	0.00
	HP	1876	0	32.6	24.0	-0.2	84	0.00
	J&K(UT) & Ladakh(UT)	3038	300	56.4	50.6	0.0	223	4.65
WR	Chandigarh	203	0	3.1	3.9	-0.7	17	0.00
	Chhattisgarh	4660	0	107.1	38.0	0.7	664	0.00
	Gujarat	16673	0	368.1	204.3	0.2	763	0.00
	MP	13951	0	283.4	162.0	-2.1	511	0.00
	Maharashtra	26028	0	553.6	178.4	0.6	887	0.00
	Goa	635	0	12.6	12.3	-0.1	27	0.00
	DD	343	0	7.0	6.7	0.3	42	0.00
	DNH	865	0	19.7	19.2	0.5	69	0.00
SR	AMNSIL	778	0	16.8	5.1	-0.4	194	0.00
	Andhra Pradesh	10943	0	208.4	76.4	0.1	516	0.00
	Telangana	12960	0	254.5	122.5	-0.1	871	0.00
	Karnataka	14124	0	266.9	96.0	-1.0	541	0.00
	Kerala	4018	0	81.1	61.5	-0.2	306	0.00
	Tamil Nadu	15483	0	328.6	190.1	-2.5	524	0.00
	Puducherry	384	0	7.9	8.1	-0.3	17	0.00
	ER	Bihar	4588	0	81.0	72.7	0.2	317
DVC		3239	0	71.8	-41.9	-0.7	286	0.00
Jharkhand		1495	0	29.3	19.8	-0.5	132	0.79
Odisha		5326	0	109.2	43.0	0.7	365	0.00
West Bengal		6660	0	126.2	4.3	-0.6	307	0.00
Sikkim		122	0	1.9	2.1	-0.2	14	0.00
NER	Arunachal Pradesh	149	0	2.4	2.9	-0.6	21	0.00
	Assam	1500	0	25.5	18.7	-0.3	99	0.00
	Manipur	218	0	3.0	3.0	0.0	17	0.00
	Meghalaya	374	0	6.9	5.9	0.0	58	0.00
	Mizoram	103	0	1.9	1.9	-0.2	19	0.00
	Nagaland	150	0	2.5	2.3	0.1	11	0.00
	Tripura	232	0	3.9	2.4	-0.4	13	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.8	-11.3	-19.8
Day Peak (MW)	-264.0	-705.7	-857.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	105.8	-123.9	162.2	-145.2	1.2	0.0
Actual(MU)	88.3	-110.2	171.7	-153.4	-1.7	-5.2
O/D/U/D(MU)	-17.4	13.7	9.5	-8.2	-2.9	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6450	14775	6662	1981	310	30178	44
State Sector	10384	16914	8288	3360	11	38957	56
Total	16834	31688	14950	5341	321	69135	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	630	1281	547	585	14	3056	74
Lignite	24	14	35	0	0	72	2
Hydro	126	47	93	26	8	300	7
Nuclear	33	33	70	0	0	136	3
Gas, Naptha & Diesel	15	13	9	0	30	67	2
RES (Wind, Solar, Biomass & Others)	130	114	237	5	0	487	12
Total	958	1502	990	616	53	4119	100

Share of RES in total generation (%)	13.62	7.60	23.91	0.85	0.87	11.82
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	30.19	12.90	40.41	5.07	16.93	22.41

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
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-Mar-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	4	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	725	0.0	10.3	-10.3	
4	765 kV	SASARAMI-FATEHPUR	1	0	511	0.0	9.3	-9.3	
5	765 kV	GAYA-BALIA	1	0	656	0.0	11.2	-11.2	
6	400 kV	PUSAULL-VARANASI	1	0	118	0.0	1.8	-1.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	157	0.0	2.1	-2.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	767	0.0	7.9	-7.9	
9	400 kV	PATNA-BALIA	4	0	906	0.0	16.2	-16.2	
10	400 kV	BIHARSHARIFF-BALIA	2	0	714	0.0	9.0	-9.0	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	475	0.0	7.0	-7.0	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	370	0.0	4.8	-4.8	
13	220 kV	SAHUPURI-KARAMNANA	1	0	128	0.0	1.8	-1.8	
14	132 kV	SONE NAGAR-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-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	81.3	-80.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	674	262	5.7	0.0	5.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	216	687	0.0	6.4	-6.4	
3	765 kV	JHARSUGUDA-DURG	2	0	444	0.0	7.1	-7.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	507	0.0	7.1	-7.1	
5	400 kV	RANCHI-SIPAT	2	33	196	0.0	1.5	-1.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	177	0.0	3.2	-3.2	
7	220 kV	BUDHIPADAR-KORBA	2	149	0	2.1	0.0	2.1	
						ER-WR	7.8	25.2	-17.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	496	0.0	11.1	-11.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1991	0.0	48.1	-48.1	
3	765 kV	ANGUL-SIRSAKULAM	2	0	2837	0.0	54.6	-54.6	
4	400 kV	TALCHER-IC	2	0	244	0.0	2.7	-2.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	113.8	-113.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	411	0	4.4	0.0	4.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	545	0	7.4	0.0	7.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	90	0	1.2	0.0	1.2	
						ER-NER	13.0	0.0	13.0
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	464	11.7	0.0	11.7	
						NER-NR	11.7	0.0	11.7
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	351	0.0	8.4	-8.4	
2	HVDC	VINDHYACHAL B/B	-	183	0	4.8	0.0	4.8	
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	56	1028	0.0	12.8	-12.8	
5	765 kV	GWALIOR-PHAGI	2	0	1707	0.0	24.6	-24.6	
6	765 kV	JABALPUR-ORAI	2	0	740	0.0	18.7	-18.7	
7	765 kV	GWALIOR-ORAI	1	805	0	13.9	0.0	13.9	
8	765 kV	SATNA-ORAI	1	0	902	0.0	17.5	-17.5	
9	765 kV	BANASKANTHA-CHITORGARH	2	1908	0	33.7	0.0	33.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1886	0.0	31.2	-31.2	
11	400 kV	ZERDA-KANKROLI	1	391	0	7.2	0.0	7.2	
12	400 kV	ZERDA-BHINMAL	1	606	0	9.8	0.0	9.8	
13	400 kV	VINDHYACHAL-RIHAND	1	970	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHUALPUR	2	362	160	3.6	0.0	3.6	
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	108	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	65	0	1.9	0.0	1.9	
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	98.0	119.4	-21.4
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	19.5	-19.5	
2	HVDC	RAIGARH-PUGALUR	2	0	3009	0.0	53.9	-53.9	
3	765 kV	SOLAPUR-RAICHUR	2	1418	1441	0.0	7.1	-7.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2877	0.0	47.0	-47.0	
5	400 kV	KOLHAPUR-KUDGI	2	1399	0	19.5	0.0	19.5	
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	21.5	127.6	-106.1

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)	145	0	32	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	16	0	10	0.2
	NER	132kV MOTANGA-RANGIA	14	0	6	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	-244	0	-84	-2.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-386	-31	-317	-7.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-733	-685	-725	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-124	0	-99	-2.4