



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: 07th 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 06.03.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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: 07-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)	47440	56141	41949	20428	2426	168384
Peak Shortage (MW)	430	0	0	364	0	794
Energy Met (MU)	1015	1357	1116	424	44	3955
Hydro Gen (MU)	129	40	80	26	8	283
Wind Gen (MU)	11	49	60	-	-	120
Solar Gen (MU)*	73.90	44.38	113.67	5.67	0.48	238
Energy Shortage (MU)	7.13	0.00	0.00	3.40	0.00	10.53
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50301	62413	54278	20610	2499	185232
Time Of Maximum Demand Met (From NLDC SCADA)	07:50	11:47	09:41	18:56	18:09	10:52

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	0.032	0.00	0.24	4.72	4.96	74.39	20.65

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	6700	0	131.8	37.2	-0.8	91	0.00
	Haryana	6586	0	122.2	69.2	0.0	165	0.00
	Rajasthan	14623	0	266.5	52.0	-0.1	456	0.00
	Delhi	3532	0	59.9	51.3	-0.7	215	0.00
	UP	16877	0	309.5	96.4	0.6	510	0.00
	Uttarakhand	2004	0	35.9	23.2	0.4	183	0.16
	HP	1592	0	28.6	20.0	-0.2	122	2.32
	J&K(UT) & Ladakh(UT)	2755	300	57.8	52.0	0.3	202	4.65
	Chandigarh	176	0	2.9	3.6	-0.8	4	0.00
	Chhattisgarh	4560	0	105.8	42.7	-0.4	504	0.00
WR	Gujarat	17056	0	369.5	204.5	3.2	874	0.00
	MP	13497	0	278.5	156.4	-2.6	523	0.00
	Maharashtra	25310	0	547.6	178.6	-1.4	612	0.00
	Goa	578	0	11.7	11.2	0.0	41	0.00
	DD	321	0	7.4	7.1	0.3	58	0.00
	DNH	843	0	19.8	19.7	0.1	82	0.00
	AMNSIL	724	0	16.2	5.3	-0.4	344	0.00
SR	Andhra Pradesh	11134	0	211.5	84.8	1.1	702	0.00
	Telangana	12579	0	256.7	116.3	-0.1	405	0.00
	Karnataka	13497	0	255.7	98.9	-0.9	660	0.00
	Kerala	3892	0	77.1	57.9	-0.1	348	0.00
	Tamil Nadu	14357	0	308.1	179.8	-1.5	312	0.00
	Puducherry	328	0	7.0	7.4	-0.4	20	0.00
ER	Bihar	4740	0	82.4	76.7	-0.9	345	0.99
	DVC	3282	0	71.1	-55.7	-0.6	0	0.00
	Jharkhand	1419	0	28.6	18.5	0.2	141	2.41
	Odisha	5511	0	114.7	47.0	-0.7	368	0.00
	West Bengal	6297	0	125.7	-3.8	-0.8	299	0.00
NER	Sikkim	96	0	1.5	1.8	-0.3	14	0.00
	Arunachal Pradesh	144	0	2.3	2.6	-0.4	13	0.00
	Assam	1415	0	25.3	18.5	0.7	149	0.00
	Manipur	205	0	2.8	2.9	-0.2	22	0.00
	Meghalaya	340	0	6.4	5.9	-0.1	51	0.00
	Mizoram	92	0	1.3	1.4	-0.6	4	0.00
	Nagaland	140	0	2.2	2.2	-0.1	7	0.00
	Tripura	226	0	3.5	2.6	-0.3	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.1	-11.5	-20.2
Day Peak (MW)	-206.0	-627.7	-862.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	106.1	-121.0	190.0	-173.9	-1.2	0.0
Actual(MU)	95.4	-103.9	193.9	-180.6	-5.4	-0.6
O/D/U/D(MU)	-10.8	17.2	3.9	-6.7	-4.2	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6940	15240	7682	2441	390	32693	47
State Sector	10619	16584	7878	2410	11	37502	53
Total	17559	31823	15560	4851	401	70195	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	631	1282	542	626	16	3097	76
Lignite	25	15	32	0	0	72	2
Hydro	129	40	80	26	8	283	7
Nuclear	31	33	67	0	0	131	3
Gas, Naptha & Diesel	11	13	9	0	29	63	2
RES (Wind, Solar, Biomass & Others)	110	95	206	6	0	417	10
Total	937	1478	935	658	54	4063	100
Share of RES in total generation (%)	11.75	6.41	22.00	0.86	0.89	10.26	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.83	11.36	37.75	4.77	15.54	20.45	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
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: 07-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	2	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	853	0.0	15.0	-15.0	
4	765 kV	SASARAM-FATEHPUR	1	0	480	0.0	9.2	-9.2	
5	765 kV	GAYA-BALIA	1	0	740	0.0	13.7	-13.7	
6	400 kV	PUSAULI-VARANASI	1	0	122	0.0	1.9	-1.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	148	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	843	0.0	11.0	-11.0	
9	400 kV	PATNA-BALIA	4	0	1059	0.0	19.5	-19.5	
10	400 kV	BIHARSHARIFF-BALIA	2	0	753	0.0	10.1	-10.1	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	456	0.0	6.7	-6.7	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	399	0.0	6.3	-6.3	
13	220 kV	SAHUPURI-KAMANASA	1	0	123	0.0	2.0	-2.0	
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	KAMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KAMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	96.5	-96.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	637	333	1.9	0.0	1.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	168	991	0.0	7.2	-7.2	
3	765 kV	JHARSUGUDA-DURG	2	0	502	0.0	8.8	-8.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	525	0.0	8.8	-8.8	
5	400 kV	RANCHI-SIPAT	2	25	285	0.0	4.2	-4.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	183	3.2	0.0	3.2	
7	220 kV	BUDHIPADAR-KORBA	2	112	9	1.3	0.0	1.3	
						ER-WR	6.4	29.0	-22.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	439	0.0	8.7	-8.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1992	0.0	48.1	-48.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3082	0.0	61.5	-61.5	
4	400 kV	TALCHER-I/C	2	0	166	0.0	2.9	-2.9	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	118.3	-118.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	474	0	0.7	0.0	0.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	632	0	8.8	0.0	8.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	108	0	1.5	0.0	1.5	
						ER-NER	11.0	0.0	11.0
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	469	0	11.2	0.0	11.2	
						NER-NR	11.2	0.0	11.2
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	6.3	-6.3	
2	HVDC	VINDHYACHAL B/B	2	227	0	4.6	0.0	4.6	
3	HVDC	MUNDRAMOHINDERGARH	2	0	252	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	0	1659	0.0	17.9	-17.9	
5	765 kV	GWALIOR-PHAGI	2	0	1395	0.0	20.0	-20.0	
6	765 kV	JABALPUR-ORAI	2	0	834	0.0	18.6	-18.6	
7	765 kV	GWALIOR-ORAI	1	871	0	14.8	0.0	14.8	
8	765 kV	SATNA-ORAI	1	0	866	0.0	15.9	-15.9	
9	765 kV	BANASKANTHA-CHITORGARH	2	1965	0	36.7	0.0	36.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	0	0.0	26.5	-26.5	
11	400 kV	ZERDA-KANKROLI	1	398	0	7.2	0.0	7.2	
12	400 kV	ZERDA-BHINMAL	1	531	0	9.0	0.0	9.0	
13	400 kV	VINDHYACHAL-RIHAND	1	967	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUALPUR	2	481	204	4.6	0.3	4.2	
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	113	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	70	0	2.0	0.0	2.0	
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	101.9	111.6	-9.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	12.3	-12.3	
2	HVDC	RAIGARH-PUGALUR	2	0	0	0.0	52.9	-52.9	
3	765 kV	SOLAPUR-RAICHUR	2	189	2152	0.1	24.0	-23.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	3246	0.0	53.4	-53.4	
5	400 kV	KOLHAPUR-KUDGI	2	1105	0	17.4	0.0	17.4	
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	114	2.1	0.0	2.1	
						WR-SR	19.6	142.6	-123.0

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)	161	21	56	1.3
	ER	400kV TALA-BINAGURI 1,2,3 (& 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	-7	-11	-0.3
	NER	132kV MOTANGA-RANGIA	-9	8	0	0.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-68	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-186	0	-102	-2.4
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-363	-42	-311	-7.5
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-733	-730	-733	-17.6
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-129	0	-109	-2.6