



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: 22nd Mar 2021

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 21.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-मार्च-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 21st March 2021, 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: 22-Mar-2021

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)	45327	51465	42561	22402	2459	164214
Peak Shortage (MW)	646	0	0	0	215	861
Energy Met (MU)	1016	1244	1130	470	45	3905
Hydro Gen (MU)	100	29	63	34	7	234
Wind Gen (MU)	21	57	30	-	-	108
Solar Gen (MU)*	42.31	34.55	104.72	5.06	0.16	187
Energy Shortage (MU)	9.39	0.10	0.00	0.00	1.99	11.48
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47925	54381	53206	22534	2714	173646
Time Of Maximum Demand Met (From NLDC SCADA)	19:21	15:31	10:30	19:40	18:18	11:31

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	0.27	6.45	6.71	71.82	21.47

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	7506	0	147.2	64.6	-2.2	64	0.00
	Harvana	5810	0	126.0	75.1	-0.5	217	0.00
	Rajasthan	11560	0	227.2	52.3	-0.9	537	0.30
	Delhi	3295	0	67.0	52.0	-1.4	82	0.01
	UP	18033	0	333.6	125.7	-1.2	521	1.48
	Uttarakhand	1806	0	35.5	21.7	0.3	124	0.00
	HP	1501	0	28.4	23.1	0.2	161	0.00
	J&K(UT) & Ladakh(UT)	2480	400	48.4	41.0	-0.3	182	7.60
WR	Chandigarh	163	0	3.0	3.1	-0.1	10	0.00
	Chhattisgarh	4498	0	105.0	56.5	-1.2	236	0.00
	Gujarat	17312	0	378.9	162.9	2.7	1176	0.00
	MP	10416	0	215.4	115.3	-2.9	497	0.00
	Maharashtra	22056	0	487.7	155.3	-2.4	583	0.00
	Goa	484	0	11.2	10.2	0.5	47	0.10
	DD	321	0	7.2	7.1	0.1	27	0.00
	DNH	855	0	20.1	20.0	0.1	48	0.00
SR	AMNSIL	845	0	18.7	1.2	0.2	276	0.00
	Andhra Pradesh	10915	0	209.7	89.4	0.1	324	0.00
	Telangana	12921	0	264.1	135.8	0.2	562	0.00
	Karnataka	12940	0	249.2	119.6	-1.0	769	0.00
	Kerala	3716	0	76.7	58.1	0.1	195	0.00
	Tamil Nadu	14363	0	322.9	204.6	-0.1	807	0.00
	Puducherry	356	0	7.8	8.0	-0.2	25	0.00
	Bihar	4965	0	98.5	85.7	2.8	339	0.00
ER	DVC	3278	0	69.4	-52.0	-0.4	419	0.00
	Jharkhand	1479	0	27.0	20.0	-1.4	163	0.00
	Odisha	5170	0	103.6	30.1	1.3	636	0.00
	West Bengal	8132	0	170.6	38.0	0.6	360	0.00
	Sikkim	76	0	1.0	1.4	-0.4	14	0.00
	NER	Arumachal Pradesh	120	3	2.2	2.2	0.0	41
Assam		1533	80	27.0	22.2	0.2	119	0.60
Manipur		189	3	2.7	2.7	0.0	22	0.01
Meghalaya		290	95	4.7	4.1	-0.2	90	1.35
Mizoram		95	4	1.6	1.4	-0.1	11	0.01
Nagaland		134	4	2.2	2.1	0.0	25	0.01
Tripura		330	5	4.2	3.4	0.4	65	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.9	-15.6	-21.2
Day Peak (MW)	367.0	-735.6	-915.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.6	-295.0	225.0	-107.5	5.9	0.0
Actual(MU)	162.1	-302.3	226.2	-94.7	5.2	-3.5
OD/UD(MU)	-9.5	-7.3	1.2	12.7	-0.7	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5131	11448	6842	1548	772	25741	40
State Sector	11917	14958	7827	4217	11	38930	60
Total	17048	26406	14669	5765	783	64670	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	607	1369	590	567	15	3148	79
Lignite	21	11	39	0	0	71	2
Hydro	100	29	63	34	7	234	6
Nuclear	27	15	37	0	0	78	2
Gas, Naptha & Diesel	29	31	16	0	24	100	3
RES (Wind, Solar, Biomass & Others)	90	92	167	5	0	355	9
Total	874	1547	913	606	45	3986	100

Share of RES in total generation (%)	10.30	5.96	18.32	0.83	0.35	8.90
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.81	8.82	29.25	6.43	15.53	16.72

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
Based on State Max Demands	1.094

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