



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: 6th 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., डोंगतिह, 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 05.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 5th 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:

06-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)	48250	54968	46541	20697	2357	172813
Peak Shortage (MW)	944	0	0	134	149	1227
Energy Met (MU)	1052	1327	1160	428	41	4009
Hydro Gen (MU)	115	46	89	31	10	290
Wind Gen (MU)	5	23	43	-	-	72
Solar Gen (MU)*	49.11	39.12	120.40	4.62	0.10	213
Energy Shortage (MU)	10.68	0.00	0.00	0.40	3.63	14.71
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52013	60091	54324	20920	2595	184179
Time Of Maximum Demand Met (From NLDC SCADA)	09:45	11:34	12:29	18:34	18:35	09:58

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	0.036	0.00	0.00	8.89	8.89	79.34	11.77

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	7034	0	144.2	63.1	-0.2	127	0.00
	Haryana	6822	0	141.1	88.5	0.0	176	0.00
	Rajasthan	13671	0	263.4	94.1	1.9	371	0.65
	Delhi	3607	0	65.4	49.2	-0.8	194	0.01
	UP	17121	0	311.9	96.2	-2.1	512	0.00
	Uttarakhand	2036	0	38.4	22.6	1.1	199	0.00
	HP	1806	0	32.8	27.0	0.6	218	0.02
	J&K(UT) & Ladakh(UT)	2736	500	51.4	42.8	-0.4	241	10.00
WR	Chhattisgarh	4560	0	105.9	50.0	-0.7	150	0.00
	Gujarat	18176	0	386.4	142.4	3.1	1032	0.00
	MP	12826	0	252.9	142.3	-2.2	527	0.00
	Maharashtra	24526	0	526.8	165.8	-2.7	522	0.00
	Goa	562	0	11.1	11.2	-0.1	46	0.00
	DD	345	0	7.8	7.5	0.3	23	0.00
	DNH	871	0	20.2	20.0	0.2	48	0.00
	AMNSIL	722	0	16.1	1.6	0.7	286	0.00
SR	Andhra Pradesh	10749	0	210.1	71.4	-0.1	449	0.00
	Telangana	13468	0	268.1	144.6	-0.5	536	0.00
	Karnataka	13349	0	259.9	93.1	-0.2	962	0.00
	Kerala	3948	0	80.7	55.2	-0.1	340	0.00
	Tamil Nadu	15462	0	333.8	191.4	-0.5	504	0.00
	Puducherry	373	0	7.8	7.9	0.0	27	0.00
ER	Bihar	4578	0	89.5	70.1	3.7	573	0.00
	DVC	3202	0	69.7	-61.5	0.7	446	0.00
	Jharkhand	1421	134	26.7	18.8	-0.7	107	0.40
	Odisha	4202	0	85.2	13.6	-1.6	538	0.00
	West Bengal	7916	0	155.5	24.7	0.0	753	0.00
	Sikkim	114	0	1.7	0.8	0.9	91	0.00
NER	Arunachal Pradesh	114	4	2.2	2.4	-0.3	0	0.01
	Assam	1489	22	24.1	18.8	0.6	160	2.50
	Manipur	192	3	1.5	2.6	-1.1	38	0.01
	Meghalaya	309	0	5.4	4.2	0.0	198	1.09
	Mizoram	100	4	1.7	1.3	0.0	15	0.01
	Nagaland	135	5	1.9	2.1	-0.2	12	0.01
	Tripura	247	2	4.2	2.8	-0.4	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.2	-14.5	-21.0
Day Peak (MW)	334.0	-739.2	-982.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.9	-205.1	159.3	-145.3	-4.8	0.0
Actual(MU)	192.1	-199.9	149.3	-139.1	-5.3	-2.9
O/D/U/D(MU)	-3.7	5.2	-10.1	6.2	-0.6	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6000	16318	5972	2733	584	31607	47
State Sector	12242	13705	7342	3047	11	36347	53
Total	18242	30023	13314	5780	595	67954	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	603	1357	632	567	13	3172	77
Lignite	27	11	39	0	0	77	2
Hydro	115	46	89	31	10	290	7
Nuclear	23	21	47	0	0	90	2
Gas, Naptha & Diesel	31	57	17	0	29	133	3
RES (Wind, Solar, Biomass & Others)	81	63	203	5	0	352	9
Total	879	1555	1025	602	51	4113	100

Share of RES in total generation (%)	9.25	4.08	19.76	0.77	0.20	8.56
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.93	8.39	32.93	5.85	19.39	17.81

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.080

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: 06-Mar-2021

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	-	0	248	0.0	5.2	-5.2	
3	765 kV	GAYA-VARANASI	2	0	797	0.0	11.8	-11.8	
4	765 kV	SASARAM-FATEHPUR	1	0	360	0.0	6.0	-6.0	
5	765 kV	GAYA-BALIA	1	0	504	0.0	7.8	-7.8	
6	400 kV	PUSAULI-VARANASI	1	0	251	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	98	0.0	2.0	-2.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	847	0.0	12.0	-12.0	
9	400 kV	PATNA-BALIA	4	0	1193	0.0	20.2	-20.2	
10	400 kV	BIHARSHARIFF-BALIA	2	0	586	0.0	9.6	-9.6	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	307	0.0	5.4	-5.4	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	325	0.0	4.4	-4.4	
13	220 kV	PUSAULI-SAHUPURI	1	36	112	0.0	1.0	-1.0	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.7	89.1	-88.4
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	944	176	9.9	0.0	9.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	726	925	0.0	0.8	-0.8	
3	765 kV	JHARSUGUDA-DURG	2	0	338	0.0	4.9	-4.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	473	0.0	7.9	-7.9	
5	400 kV	RANCHI-SIPAT	2	170	317	0.0	2.2	-2.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	186	0.0	3.2	-3.2	
7	220 kV	BUDHIPADAR-KORBA	2	61	39	0.2	0.0	0.2	
						ER-WR	10.1	18.9	-8.8
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	535	0.0	12.3	-12.3	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1979	0.0	41.4	-41.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2824	0.0	54.1	-54.1	
4	400 kV	TALCHER-I/C	2	577	153	3.8	0.0	3.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	107.9	-107.9
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	371	0	5.1	0.0	5.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	649	0	8.8	0.0	8.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	65	0	0.9	0.0	0.9	
						ER-NER	14.7	0.0	14.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	468	0	10.5	0.0	10.5	
						NER-NR	10.5	0.0	10.5
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2010	0.0	19.4	-19.4	
2	HVDC	VINDHYACHAL B/B	-	242	0	6.0	0.0	6.0	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1922	0.0	41.5	-41.5	
4	765 kV	GWALIOR-AGRA	2	0	2185	0.0	32.4	-32.4	
5	765 kV	PHAGI-GWALIOR	2	0	1299	0.0	24.2	-24.2	
6	765 kV	JABALPUR-ORAI	2	0	947	0.0	31.5	-31.5	
7	765 kV	GWALIOR-ORAI	1	634	0	12.0	0.0	12.0	
8	765 kV	SATNA-ORAI	1	0	1272	0.0	25.3	-25.3	
9	765 kV	CHITORGARH-BANASKANTHA	2	995	0	11.8	0.0	11.8	
10	400 kV	ZERDA-KANKROLI	1	266	6	3.7	0.0	3.7	
11	400 kV	ZERDA-BHINMAL	1	301	141	2.9	0.0	2.9	
12	400 kV	VINDHYACHAL-RIHAND	1	993	0	22.7	0.0	22.7	
13	400 kV	RAPP-SHUJALPUR	2	25	461	0.0	4.8	-4.8	
14	220 kV	BHANPURA-RANPUR	1	0	157	0.0	1.9	-1.9	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.5	-1.5	
16	220 kV	MEHGAON-AURAIYA	1	138	0	1.9	0.0	1.9	
17	220 kV	MALANPUR-AURAIYA	1	90	0	1.5	0.0	1.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	62.6	182.4	-119.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.4	-12.4	
2	HVDC	RAIGARH-PUGALUR	2	0	1256	0.0	29.5	-29.5	
3	765 kV	SOLAPUR-RAICHUR	2	493	1845	0.0	21.6	-21.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2885	0.0	48.5	-48.5	
5	400 kV	KOLHAPUR-KUDGI	2	1409	0	21.4	0.0	21.4	
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	86	1.8	0.0	1.8	
						WR-SR	23.2	111.9	-88.8

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	207	104	104	2.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	55	39	55	1.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	15	0	-37	-0.9
	NER	132KV-GEYLEGPHU - SALAKATI	39	7	25	0.6
	NER	132kV Motanga-Rangia	18	1	9	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-84	0	-72	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-335	-263	-314	-7.5
	ER	132KV-BIHAR - NEPAL	-320	-93	-220	-5.3
	ER	BHERAMARA HVDC(BANGLADESH)	-855	-734	-766	-18.4
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	63	0	-54	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	64	0	-54	-1.3