



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 May 2020

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 02.05.2020.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-मई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 May 2020, 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-May-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	40679	39218	32676	16007	1935	130515
Peak Shortage (MW)	529	0	0	0	171	700
Energy Met (MU)	865	996	805	295	37	2997
Hydro Gen (MU)	246	50	75	72	7	450
Wind Gen (MU)	29	86	32	-	-	147
Solar Gen (MU)*	42.89	28.60	94.62	4.76	0.04	171
Energy Shortage (MU)	9.2	0.0	0.0	0.0	1.1	10.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	41596	43404	36770	15537	2106	134700
Time Of Maximum Demand Met (From NLDC SCADA)	20:02	14:32	13:56	20:35	18:55	22:31

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	0.022	0.00	0.00	0.65	0.65	78.74	20.61

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	5555	0	109.0	87.7	-2.5	137	0.0
	Haryana	6452	0	112.5	95.9	0.1	181	0.0
	Rajasthan	9878	0	206.6	66.6	-2.4	366	0.0
	Delhi	3471	0	68.3	60.2	-2.9	0	0.0
	UP	16399	0	287.1	136.7	1.1	1205	0.0
	Uttarakhand	1127	0	23.3	5.9	0.2	78	0.0
	HP	905	0	16.7	-4.2	-0.3	337	0.0
	J&K(UT) & Ladakh(UT)	2117	529	38.3	19.9	-1.2	183	9.2
WR	Chandigarh	158	0	3.2	3.3	-0.1	26	0.0
	Chhattisgarh	3262	0	74.7	21.3	-1.2	252	0.0
	Gujarat	13474	0	295.5	92.7	2.7	556	0.0
	MP	8826	0	193.3	104.0	-2.2	450	0.0
	Maharashtra	18238	0	409.9	168.8	-0.3	501	0.0
	Goa	455	0	9.7	9.3	-0.1	38	0.0
	DD	158	0	3.3	3.2	0.1	74	0.0
	AMNSIL	451	0	3.7	3.4	0.3	229	0.0
SR	Andhra Pradesh	7838	0	157.9	88.7	0.0	450	0.0
	Telangana	6373	0	137.0	62.3	0.3	352	0.0
	Karnataka	9737	0	187.9	53.1	0.1	504	0.0
	Kerala	3509	0	70.5	48.3	0.6	168	0.0
	Tamil Nadu	10812	0	245.3	171.3	1.6	541	0.0
ER	Puducherry	310	0	6.2	6.2	0.0	37	0.0
	Bihar	4325	0	71.3	69.0	-3.1	324	0.0
	DVC	1729	0	34.4	-21.7	1.6	281	0.0
	Jharkhand	1280	0	22.0	15.1	-1.6	117	0.0
	Odisha	3481	0	70.2	-9.8	1.0	367	0.0
NER	West Bengal	5156	0	95.5	32.0	0.3	320	0.0
	Sikkim	103	0	1.3	1.5	-0.2	36	0.0
	Arunachal Pradesh	102	1	1.7	1.0	0.7	60	0.0
	Assam	1437	90	21.7	18.5	0.2	148	0.9
	Manipur	165	2	2.0	2.3	-0.2	29	0.0
	Meghalaya	250	0	4.0	1.9	-0.2	78	0.1
	Mizoram	90	1	1.4	1.4	-0.3	25	0.0
Nagaland	114	1	1.8	2.0	-0.4	16	0.0	
Tripura	208	2	4.5	3.5	0.1	29	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.4	-0.2	-13.1
Day Peak (MW)	979.8	-120.9	-913.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	152.7	-203.7	147.6	-94.5	-2.2	-0.1
Actual(MU)	132.7	-201.3	171.9	-105.1	-0.9	-2.8
O/D/U/D(MU)	-20.0	2.4	24.3	-10.6	1.3	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6625	19328	9942	2830	649	39374
State Sector	19658	24317	15168	7592	11	66746
Total	26283	43644	25110	10422	660	106119

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	333	916	334	347	7	1936
Lignite	25	13	35	0	0	73
Hydro	246	50	75	72	7	450
Nuclear	28	36	37	0	0	101
Gas, Naptha & Diesel	23	59	21	0	29	133
RES (Wind, Solar, Biomass & Others)	103	134	144	5	0	386
Total	758	1209	646	424	43	3079

Share of RES in total generation (%)	13.65	11.10	22.24	1.14	0.09	12.54
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.71	18.25	39.59	18.20	15.49	30.43

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.100

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-May-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	S/C	0	251	0.0	6.4	-6.4	
3	765 kV	GAYA-VARANASI	D/C	22	840	0.0	9.2	-9.2	
4	765 kV	SASARAM-FATEHPUR	S/C	78	354	0.0	2.2	-2.2	
5	765 kV	GAYA-BALIA	S/C	0	375	0.0	5.3	-5.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	220	0.0	4.1	-4.1	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	145	0.0	2.1	-2.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	838	0.0	10.6	-10.6	
9	400 kV	PATNA-BALIA	Q/C	0	804	0.0	11.3	-11.3	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	370	0.0	4.2	-4.2	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	224	0.0	3.4	-3.4	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	107	394	0.0	2.2	-2.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	170	0.0	2.9	-2.9	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.6	64.0	-63.4
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1159	0	17.6	0.0	17.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	268	307	0.8	0.0	0.8	
3	765 kV	JHARSUGUDA-DURG	D/C	0	472	0.0	6.1	-6.1	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	6	294	0.0	3.3	-3.3	
5	400 kV	RANCHI-SIPAT	D/C	186	162	0.8	0.0	0.8	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	133	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	162	0	2.3	0.0	2.3	
						ER-WR	21.5	11.4	10.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	327	0.0	7.0	-7.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1982	0.0	41.6	-41.6	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2963	0.0	62.0	-62.0	
4	400 kV	TALCHER-I/C	D/C	322	607	0.0	1.6	-1.6	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	110.5	-110.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	366	0	5.9	0.0	5.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	447	0	6.4	0.0	6.4	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	82	0	1.0	0.0	1.0	
						ER-NER	13.3	0.0	13.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	463	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	7.3	-7.3	
2	HVDC	V'CHAL B/B	D/C	49	0	1.2	0.0	1.2	
3	HVDC	APL -MHG	D/C	0	1124	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2187	0.0	35.6	-35.6	
5	765 kV	PHAGI-GWALIOR	D/C	0	945	0.0	14.6	-14.6	
6	765 kV	JABALPUR-ORAI	D/C	0	658	0.0	18.8	-18.8	
7	765 kV	GWALIOR-ORAI	S/C	484	0	8.7	0.0	8.7	
8	765 kV	SATNA-ORAI	S/C	0	1248	0.0	26.5	-26.5	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	645	527	4.5	3.8	0.7	
10	400 kV	ZERDA-KANKROLI	S/C	240	16	3.1	0.0	3.1	
11	400 kV	ZERDA -BHINMAL	S/C	347	4	5.6	0.0	5.6	
12	400 kV	V'CHAL -RIHAND	S/C	973	0	22.0	0.0	22.0	
13	400 kV	RAPP-SHUJALPUR	D/C	274	121	0.8	0.0	0.8	
14	220 kV	BHANPURA-RANPUR	S/C	43	48	0.0	1.4	-1.4	
15	220 kV	BHANPURA-MORAK	S/C	0	102	0.0	2.0	-2.0	
16	220 kV	MEHGAON-AURAIYA	S/C	75	0	1.3	0.0	1.3	
17	220 kV	MALANPUR-AURAIYA	S/C	63	0	0.7	0.0	0.7	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	47.8	137.9	-90.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	20.9	-20.9	
2	HVDC	BARSUR-LSILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2212	0.0	33.5	-33.5	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2510	0.0	46.9	-46.9	
5	400 kV	KOLHAPUR-KUDGI	D/C	281	298	0.8	2.8	-1.9	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	66	0.0	1.4	-1.4	
8	220 kV	XELDEM-AMBEWADI	S/C	0	86	1.6	0.0	1.6	
						WR-SR	2.4	105.5	-103.0

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU (2 * 63)	0	0	0	0.0
	ER	CHUKA (4 * 84) BIRPARA RECEIPT	155	107	106	2.6
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	295	294	244	5.9
	ER	TALA (6 * 170) BINAGURI RECEIPT	374	298	339	8.1
	NER	132KV-SALAKATI - GELEPHU	0	0	10	0.3
	NER	132KV-RANGIA - DEOTHANG	18	0	28	0.7
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-9	-1	-2	0.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-112	-2	-5	-0.1
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-808	-258	-450	-10.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	53	0	-48	-1.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	52	0	-48	-1.2