



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: 27th Mar 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 26.03.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-मार्च-2020 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 26th Mar 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 27-Mar-20

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	28917	31652	34956	16865	2158	114548
Peak Shortage (MW)	512	0	0	0	46	558
Energy Met (MU)	628	771	891	327	35	2652
Hydro Gen (MU)	148	35	71	39	4	297
Wind Gen (MU)	11	69	40	-----	-----	121
Solar Gen (MU)*	17.02	19.30	96.74	5.46	0.04	139
Energy Shortage (MU)	9.3	0.0	0.0	0.0	0.6	9.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	32973 19:29	34841 07:34	42426 10:20	16830 20:00	2205 18:19	120312 19:31

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	0.043	0.00	0.50	7.58	8.08	68.43	23.50

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	3399	0	66.9	46.5	-0.7	166	0.0
	Haryana	3959	0	74.7	68.5	0.0	271	0.0
	Rajasthan	7330	0	127.9	37.4	-2.7	373	0.0
	Delhi	2273	0	44.1	34.4	-2.0	40	0.0
	UP	13913	0	238.9	104.7	-0.3	513	0.0
	Uttarakhand	1033	0	18.0	3.9	-0.3	103	0.0
	HP	775	0	12.0	1.0	-1.3	15	0.0
	J&K(UT) and Ladakh(UT)	2085	512	43.2	36.1	-1.3	179	9.3
	Chandigarh	140	0	2.3	2.4	-0.2	21	0.0
	Chhattisgarh	3244	0	73.4	24.1	-2.5	292	0.0
WR	Gujarat	10468	0	207.5	44.8	-2.6	901	0.0
	MP	7593	0	150.3	88.8	-0.4	467	0.0
	Maharashtra	15472	0	328.0	108.3	0.4	638	0.0
	Goa	340	0	6.9	6.8	0.1	23	0.0
	DD	67	0	1.5	1.2	0.3	19	0.0
	DNH	101	0	2.2	2.2	0.0	54	0.0
	Essar steel	319	0	1.4	1.4	0.0	141	0.0
	Andhra Pradesh	8217	0	159.7	82.2	-0.3	496	0.0
SR	Telangana	10019	0	202.5	109.9	-0.4	779	0.0
	Karnataka	10713	0	213.6	67.1	-2.4	609	0.0
	Kerala	3521	0	65.7	52.7	0.8	197	0.0
	Tamil Nadu	11124	0	245.9	168.1	0.3	613	0.0
	Pondy	213	0	4.1	5.1	-1.0	54	0.0
ER	Bihar	4161	0	73.3	71.3	-0.3	250	0.0
	DVC	1728	0	34.3	-22.7	1.5	391	0.0
	Jharkhand	1250	0	23.2	15.2	-0.9	90	0.0
	Odisha	3988	0	82.7	3.0	1.7	350	0.0
	West Bengal	5999	0	111.8	29.2	0.9	247	0.0
	Sikkim	99	0	1.3	1.7	-0.4	9	0.0
	Arunachal Pradesh	110	2	2.0	1.3	0.6	58	0.0
NER	Assam	1250	31	19.1	16.2	0.0	74	0.4
	Manipur	173	2	2.5	2.4	0.1	27	0.0
	Meghalaya	289	3	4.7	4.0	0.0	56	0.1
	Mizoram	93	1	1.6	1.3	0.0	22	0.0
	Nagaland	105	3	2.1	2.0	0.1	12	0.0
	Tripura	252	8	3.2	2.7	-0.7	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-1.2	-16.7
Day peak (MW)	401.7	-154.4	-888.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	99.8	-203.6	168.6	-71.2	7.1	0.7
Actual(MU)	78.8	-210.9	169.3	-48.5	8.0	-3.2
O/D/U/D(MU)	-21.0	-7.3	0.7	22.7	0.9	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6999	22312	6982	1815	1012	39119
State Sector	19493	24734	13728	8143	11	66108
Total	26492	47045	20710	9958	1023	105227

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	303	762	377	352	6	1801
Lignite	15	11	46	0	0	72
Hydro	148	35	71	39	4	297
Nuclear	19	33	65	0	0	117
Gas, Naptha & Diesel	27	46	20	0	22	114
RES (Wind, Solar, Biomass & Others)	54	100	143	6	0	302
Total	566	986	721	397	32	2702

Share of RES in total generation (%)	9.49	10.14	19.84	1.39	0.12	11.19
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.99	17.02	38.67	11.17	12.94	26.49

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.075
Based on State Max Demands	1.129

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

कार्यपालक निदेशक (रा० भा० प्र० क०)

INTER-REGIONAL EXCHANGES

Import=(+ve)/Export =(-ve) for NET (MU)
Date of Reporting: 27-Mar-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	840	249	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	D/C	146	126	0.0	0.2	-0.2	
4	765 kV	SASARAM-FATEHPUR	S/C	179	0	1.5	0.0	1.5	
5	765 kV	GAYA-BALIA	S/C	0	263	0.0	2.6	-2.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	251	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	85	0.0	1.0	-1.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	122	269	0.0	2.0	-2.0	
9	400 kV	PATNA-BALIA	Q/C	0	415	0.0	6.8	-6.8	
10	400 kV	BIHARSHARIF-BALIA	D/C	10	153	0.0	1.6	-1.6	
11	400 kV	MOTHARI-GORAKHPUR	D/C	0	232	0.0	3.6	-3.6	
12	400 kV	BIHARSHARIF-VARANASI	D/C	238	0	3.0	0.0	3.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	0.0	2.3	-2.3	
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	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDALI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	4.9	30.9	-26.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1630	0	27.8	0.0	27.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	840	79	9.3	0.0	9.3	
3	765 kV	JHARSUGUDA-DURG	D/C	121	91	0.1	0.0	0.1	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	132	85	0.4	0.0	0.4	
5	400 kV	RANCHI-SIPAT	D/C	303	9	3.7	0.0	3.7	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	122	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	123	0	2.0	0.0	2.0	
						ER-WR	43.2	2.0	41.2
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	690	0.0	16.0	-16.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1988	0.0	39.0	-39.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2807	0.0	52.2	-52.2	
4	400 kV	TALCHER-I/C	D/C	680	1004	0.0	5.2	-5.2	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	107.2	-107.2
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	191	94	1.3	0.0	1.3	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	278	110	1.8	0.0	1.8	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	61	21	0.5	0.0	0.5	
						ER-NER	3.5	0.0	3.5
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	487	11.8	0.0	11.8	
						NER-NR	11.8	0.0	11.8
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	3.9	-3.9	
2	HVDC	V'CHAL B/B	D/C	449	0	12.2	0.0	12.2	
3	HVDC	APL -MHG	D/C	0	1074	0.0	21.9	-21.9	
4	765 kV	GWALIOR-AGRA	D/C	0	1976	0.0	34.0	-34.0	
5	765 kV	PHAGI-GWALIOR	D/C	0	919	0.0	13.3	-13.3	
6	765 kV	JABALPUR-ORAI	D/C	0	628	0.0	20.6	-20.6	
7	765 kV	GWALIOR-ORAI	S/C	483	0	8.1	0.0	8.1	
8	765 kV	SAINA-ORAI	S/C	0	1725	0.0	23.3	-23.3	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	548	598	0.0	1.1	-1.1	
10	400 kV	ZERDA-KANKROLI	S/C	227	133	2.0	0.0	2.0	
11	400 kV	ZERDA -BHINMAL	S/C	312	140	2.6	0.0	2.6	
12	400 kV	V'CHAL -RIHAND	S/C	962	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	D/C	127	152	0.0	0.2	-0.2	
14	220 kV	BHANPURA-RANPUR	S/C	28	35	0.0	0.8	-0.8	
15	220 kV	BHANPURA-MORAK	S/C	0	83	0.0	1.1	-1.1	
16	220 kV	MEHGAON-AURAIYA	S/C	103	0	1.3	0.0	1.3	
17	220 kV	MALANPUR-AURAIYA	S/C	66	6	0.6	0.0	0.6	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	49.0	120.1	-71.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	16.0	-16.0	
2	HVDC	BARSUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2691	0.0	37.2	-37.2	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2910	0.0	52.1	-52.1	
5	400 kV	KOLHAPUR-KUDGI	D/C	668	0	7.8	0.0	7.8	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	43	0.0	0.9	-0.9	
8	220 kV	XELDEM-AMBEWADI	S/C	0	61	1.1	0.0	1.1	
						WR-SR	8.9	106.1	-97.2

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	0	0	-44	-1.1
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	146	143	131	3.2
	ER	TALA (6 * 170) BINAGURI RECEIPT	116	35	80	1.9
	NER	132KV-SALAKATI - GELEPHU	0	0	-11	-0.3
	NER	132KV-RANGIA - DEOTHANG	13	0	3	0.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	40	2	41	1.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-194	-8	-89	-2.1
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-758	-314	-588	-14.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	65	0	-54	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	65	0	-54	-1.3