



**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: 07<sup>th</sup> 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., 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 06.03.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मार्च-2020 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 06<sup>th</sup> Mar 2020, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting 07-Mar-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 1900 hrs; from RLDCs)	35391	48364	44548	16012	2312	146627
Peak Shortage (MW)	480	0	0	0	104	584
Energy Met (MU)	719	1182	1115	331	40	3387
Hydro Gen (MU)	138	33	89	30	5	295
Wind Gen (MU)	13	75	42	0	0	129
Solar Gen (MU)*	20.11	27.00	86.65	1.47	0.03	135
Energy Shortage (MU)	11.0	0.0	0.0	0.0	1.2	12
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	37859 09:22	55994 11:25	51557 09:26	17373 18:40	2426 18:07	160825 09:39

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	4.73	4.73	72.35	22.92

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	4749	0	91.6	60.3	-1.6	179	0.0
	Haryana	4695	0	87.6	64.7	-0.9	387	0.0
	Rajasthan	8918	0	153.3	39.0	-7.4	572	0.0
	Delhi	3682	0	64.4	47.0	0.5	504	0.0
	UP	10994	0	209.5	105.9	-1.7	960	0.0
	Uttarakhand	1612	0	32.9	14.8	-0.1	202	0.0
	HP	1602	0	29.6	21.6	0.7	201	0.0
	J&K(UT) and Ladakh(UT)	2249	562	46.8	40.1	0.6	263	11.0
	Chandigarh	218	0	3.5	3.6	-0.1	25	0.0
WR	Chhattisgarh	3853	0	83.5	36.5	-0.2	276	0.0
	Gujarat	15833	0	345.3	106.3	4.8	587	0.0
	MP	11927	0	220.7	100.3	-4.0	503	0.0
	Maharashtra	23493	0	486.1	152.6	-3.1	383	0.0
	Goa	498	0	10.4	10.1	-0.2	37	0.0
	DD	343	0	7.6	7.2	0.4	41	0.0
	DNH	814	0	19.1	19.3	-0.2	39	0.0
	Essar steel	861	0	9.6	9.7	-0.1	242	0.0
	Andhra Pradesh	9790	0	194.7	96.3	0.4	584	0.0
SR	Telangana	12452	0	244.1	135.7	0.2	898	0.0
	Karnataka	12753	0	248.5	72.0	-0.5	527	0.0
	Kerala	3870	0	79.4	61.5	1.3	250	0.0
	Tamil Nadu	15242	0	339.7	189.5	0.3	524	0.0
	Pondy	397	0	8.5	8.5	-0.1	34	0.0
	Bihar	3612	0	67.3	62.9	-1.8	231	0.0
ER	DVC	2873	0	59.5	-24.6	0.3	314	0.0
	Jharkhand	1184	0	21.0	13.8	-1.3	154	0.0
	Odisha	3622	0	67.8	4.8	0.7	302	0.0
	West Bengal	6535	0	114.0	29.1	-1.0	208	0.0
	Sikkim	107	0	1.4	1.7	-0.4	12	0.0
	Arunachal Pradesh	124	2	2.2	2.0	0.1	49	0.0
NER	Assam	1314	75	22.5	16.4	0.4	180	1.0
	Manipur	192	4	2.6	2.6	0.0	24	0.0
	Meghalaya	364	0	5.7	3.4	0.4	184	0.1
	Mizoram	101	1	1.7	1.1	0.3	29	0.0
	Nagaland	127	2	2.2	1.8	0.3	55	0.0
	Tripura	224	0	3.6	1.5	0.0	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-10.0	-9.9
Day peak (MW)	290.7	-560.0	-771.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	138.3	-244.1	192.7	-97.7	11.0	0.1
Actual(MU)	99.4	-231.3	211.6	-103.0	16.0	-7.4
O/D/U/D(MU)	-38.9	12.8	19.0	-5.4	5.0	-7.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5807.67	12800	5252	1395	1285	38859
State Sector	17935	14116	8355	5962	11	34059
Total	23743	26915	13607	7357	1296	72918

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	357	1175	549	427	7	2514
Lignite	11	16	46	0	0	73
Hydro	138	33	89	30	5	295
Nuclear	24	37	45	0	0	106
Gas, Naptha & Diesel	35	57	18	0	17	125
RES (Wind, Solar, Biomass & Others)	59	112	167	2	0	340
Total	624	1430	914	458	29	3454

Share of RES in total generation (%)	9.53	7.82	18.31	0.34	0.10	9.85
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.50	12.72	32.96	6.85	17.66	21.45

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.065

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.

## INTER-REGIONAL EXCHANGES

Import=(+ve)/Export =(-ve) for NET (MU)

Date of Reporting: 07-Mar-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	D/C	194	371	0.0	1.2	-1.2
4	765 kV	SASARAM-FATEHPUR	S/C	173	142	0.4	0.0	0.4
5	765 kV	GAYA-BALIA	S/C	0	292	0.0	3.3	-3.3
6	400 kV	PUSAULI-VARANASI	S/C	0	238	0.0	4.8	-4.8
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	97	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	267	345	0.0	1.4	-1.4
9	400 kV	PATNA-BALIA	Q/C	0	581	0.0	4.5	-4.5
10	400 kV	BIHARSHARIFF-BALIA	D/C	82	212	0.0	0.5	-0.5
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	474	0.0	7.6	-7.6
12	400 kV	BIHARSHARIFF-VARANASI	D/C	242	117	2.9	0.0	2.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	0.0	3.3	-3.3
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	0.2	0.0	0.2
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						3.4	33.8	-30.4
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2078	0	34.5	0.0	34.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	653	312	3.7	0.0	3.7
3	765 kV	JHARSUGUDA-DURG	D/C	145	213	0.0	0.5	-0.5
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	176	173	0.0	0.4	-0.4
5	400 kV	RANCHI-SIPAT	D/C	219	68	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	S/C	26	123	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	D/C	122	0	1.9	0.0	1.9
ER-WR						42.0	2.0	40.1
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	694	0.0	16.2	-16.2
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2472	0.0	50.0	-50.0
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3188	0.0	64.2	-64.2
4	400 kV	TALCHER-IC	D/C	0	1336	0.0	11.3	-11.3
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
ER-SR						0.0	130.4	-130.4
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	562	0.0	9.8	-9.8
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	863	0.0	15.4	-15.4
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	162	0.0	2.6	-2.6
ER-NER						0.0	27.8	-27.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	11.0	-11.0
NER-NR						0.0	11.0	-11.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	1.7	-1.7
2	HVDC	V'CHAL B/B	D/C	448	103	6.1	0.5	5.6
3	HVDC	APL -MHG	D/C	0	1267	0.0	26.8	-26.8
4	765 kV	GWALIOR-AGRA	D/C	0	2127	0.0	36.1	-36.1
5	765 kV	PHAGI-GWALIOR	D/C	27	1216	0.0	11.7	-11.7
6	765 kV	JABALPUR-ORAI	D/C	0	703	0.0	15.5	-15.5
7	765 kV	GWALIOR-ORAI	S/C	629	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	S/C	0	1262	0.0	24.8	-24.8
9	765 kV	CHITORGARH-BANASKANTHA	D/C	651	617	2.0	0.0	2.0
10	400 kV	ZERDA-KANKROLI	S/C	237	45	3.1	0.0	3.1
11	400 kV	ZERDA -BHINMAL	S/C	330	207	2.5	0.0	2.5
12	400 kV	V'CHAL -RIHAND	S/C	992	0	22.4	0.0	22.4
13	400 kV	RAPP-SHUJALPUR	D/C	369	198	1.5	0.0	1.5
14	220 kV	BHANPURA-RANPUR	S/C	64	59	0.5	0.9	-0.4
15	220 kV	BHANPURA-MORAK	S/C	40	128	0.1	1.4	-1.3
16	220 kV	MEHGAON-AURAIYA	S/C	97	7	1.0	0.0	1.0
17	220 kV	MALANPUR-AURAIYA	S/C	66	16	0.5	0.0	0.5
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						51.3	119.3	-68.0
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	19.4	-19.4
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2793	0.0	49.8	-49.8
4	765 kV	WARDHA-NIZAMABAD	D/C	0	3424	0.0	65.6	-65.6
5	400 kV	KOLHAPUR-KUDGI	D/C	797	0	12.8	0.0	12.8
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	S/C	0	64	0.0	1.3	-1.3
8	220 kV	XELDEM-AMBEWADI	S/C	0	94	1.9	0.0	1.9
WR-SR						14.7	136.0	-121.3

### 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	-54	-1.3
	ER	MANGDECHHU ( 4 x 180 ) ALIPURDUAR RECEIPT	107	96	98	2.4
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	91	0	33	0.8
	NER	132KV-SALAKATI - GELEPHU	30	0	-13	-0.3
NEPAL	NER	132KV-RANGIA - DEOTHANG	22	0	-10	-0.2
	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-1.1
	ER	132KV-BIHAR - NEPAL	-230	-12	-121	-2.9
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-270	-208	-250	-6.0
	ER	Bheramara HVDC(Bangladesh)	-661	-179	-325	-7.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	55	0	-43	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	55	0	-43	-1.0