



**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: 03<sup>rd</sup> Mar 2019

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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, 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 02.03.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-मार्च-2019 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 02<sup>nd</sup> March 2019, 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

3-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42142	47050	44947	17111	2439	153689
Peak Shortage (MW)	1314	2	0	0	71	1387
Energy Met (MU)	882	1108	1073	359	43	3465
Hydro Gen (MU)	144	27	66	26	4	267
Wind Gen (MU)	26	69	55	-----	-----	150
Solar Gen (MU)*	10.52	21.9	74.57	1.12	0.06	108
Energy Shortage (MU)	11.8	0.0	0.0	0.0	1.1	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42861 18:42	52536 09:53	47438 09:56	18805 18:53	2462 18:50	158026 09:46

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	0.052	0.00	0.08	10.01	10.09	62.38	27.52

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	5189	0	105.9	38.4	-1.5	51	0.0	
	Haryana	5801	0	111.9	81.5	0.6	203	0.0	
	Rajasthan	11235	0	223.6	62.9	-0.3	426	0.0	
	Delhi	3695	0	63.0	58.6	-0.9	192	0.0	
	UP	13470	790	258.0	118.0	0.5	259	0.0	
	Uttarakhand	1934	0	36.8	22.9	-0.3	139	0.2	
	HP	1637	0	30.4	23.2	0.3	114	0.1	
	J&K	2409	602	48.8	42.5	-1.4	167	11.5	
	Chandigarh	206	0	3.4	3.6	-0.2	14	0.0	
	WR	Chhattisgarh	4055	0	92.3	36.5	-1.3	299	0.0
Gujarat		14475	0	322.6	88.8	2.6	972	0.0	
MP		12323	0	223.5	97.5	0.5	716	0.0	
Maharashtra		20456	0	431.1	132.8	0.7	589	0.0	
Goa		467	0	10.0	9.2	0.2	59	0.0	
DD		318	0	7.2	6.9	0.3	38	0.0	
DNH		748	0	17.3	17.2	0.1	70	0.0	
Essar steel		297	0	4.3	3.2	1.1	345	0.0	
SR		Andhra Pradesh	8468	0	190.8	68.2	0.2	385	0.0
		Telangana	9910	0	214.6	102.5	0.3	500	0.0
	Karnataka	11846	0	247.3	86.5	-0.9	471	0.0	
	Kerala	3713	0	77.6	62.7	0.6	165	0.0	
	Tamil Nadu	15484	0	334.6	184.3	-0.7	502	0.0	
	Pondy	376	0	7.8	8.1	-0.3	33	0.0	
	ER	Bihar	3995	0	70.7	66.1	0.9	460	0.0
DVC		2989	0	64.4	-51.1	0.6	396	0.0	
Jharkhand		1074	0	23.3	18.3	0.2	169	0.0	
Odisha		4507	0	86.2	30.9	0.6	267	0.0	
West Bengal		6402	0	113.0	23.0	1.1	309	0.0	
Sikkim		100	0	1.5	1.6	-0.1	18	0.0	
NER	Arunachal Pradesh	123	2	2.1	2.4	-0.3	23	0.0	
	Assam	1421	54	23.6	18.8	0.4	121	1.0	
	Manipur	192	3	2.7	2.6	0.1	14	0.0	
	Meghalaya	355	0	6.8	5.0	0.2	50	0.0	
	Mizoram	97	2	1.8	1.5	0.2	10	0.0	
	Nagaland	126	1	2.2	1.8	0.3	28	0.0	
	Tripura	233	1	3.7	1.5	0.0	38	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.0	-6.4	-19.1
Day peak (MW)	117.0	-298.0	-988.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.4	-275.6	172.9	-69.0	2.3	0.2
Actual(MU)	173.2	-293.7	169.8	-57.6	4.3	-4.0
O/D/U/D(MU)	3.8	-18.1	-3.1	11.4	1.9	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4781	13586	6662	2190	571	27790
State Sector	12830	16102	6620	3015	50	38617
Total	17611	29688	13282	5205	621	66407

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	462	1178	570	428	8	2646
Lignite	18	18	44	0	0	80
Hydro	144	27	66	26	4	267
Nuclear	27	31	36	0	0	94
Gas, Naptha & Diesel	17	39	18	0	31	105
RES (Wind, Solar, Biomass & Others)	67	95	177	1	0	341
Total	736	1388	912	455	42	3533
Share of RES in total generation (%)	9.15	6.88	19.45	0.26	0.14	9.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.43	11.04	30.63	5.99	8.80	19.87

H. Diversity Factor

All India Demand Diversity Factor	1.038
-----------------------------------	-------

Diversity factor = Sum of regional 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**

Date of Reporting : 3-Mar-19

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

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	765kV	GAYA-VARANASI	D/C	0	455	0.0	6.2	-6.2
2		SASARAM-FATEHPUR	S/C	14	282	0.0	2.9	-2.9
3		GAYA-BALIA	S/C	0	524	0.0	9.1	-9.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	134	0.0	2.4	-2.4
7		PUSAULI -ALLAHABAD	S/C	0	84	0.0	1.0	-1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	495	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	613	0.0	8.3	-8.3
10		BIHARSHARIFF-BALIA	D/C	0	376	0.0	6.7	-6.7
11		MOTIHARI-GORAKHPUR	D/C	0	285	0.0	3.9	-3.9
12		BIHARSHARIFF-VARANASI	D/C	110	201	0.0	1.5	-1.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	0.0	2.6	-2.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>55.7</b>	<b>-55.1</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1882	0	37.0	0.0	37.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	510	69	5.1	0.0	5.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	146	139	0.3	0.0	0.3
21		RANCHI-SIPAT	D/C	239	0	3.2	0.0	3.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	99	0.0	1.6	-1.6
23		BUDHIPADAR-KORBA	D/C	183	0	3.3	0.0	3.3
<b>ER-WR</b>						<b>49.0</b>	<b>1.6</b>	<b>47.3</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2036.0	0.0	41.6	-41.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	14.8	-14.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2458.0	0.0	52.7	-52.7
27	400 kV	TALCHER-I/C	D/C	0.0	563.0	0.0	8.0	-8.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>109.1</b>	<b>-109.1</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	318	33	4.3	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	428	0	6.7	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	64	23	0.7	0.0	1
<b>ER-NER</b>						<b>11.7</b>	<b>0.0</b>	<b>11.7</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	665	0	16.2	0.0	16.2
<b>NER-NR</b>						<b>16.2</b>	<b>0.0</b>	<b>16.2</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	801	0.0	19.1	-19.1
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1737	0.0	42.9	-42.9
36	765 kV	GWALIOR-AGRA	D/C	0	2341	0.0	44.0	-44.0
37		PHAGI-GWALIOR	D/C	0	1037	0.0	16.1	-16.1
38		JABALPUR-ORAI	D/C	0	749	0.0	26.2	-26.2
39		GWALIOR-ORAI	S/C	604	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1275	0.0	27.0	-27.0
41		CHITORGARH-BANASKANTHA	D/C	564	0	2.5	0.0	2.5
42		ZERDA-KANKROLI	S/C	146	37	1.8	0.0	1.8
43	400 kV	ZERDA -BHINMAL	S/C	154	185	0.0	0.7	-0.7
44		V'CHAL -RIHAND	S/C	963	0	21.2	0.0	21.2
45		RAPP-SHUJALPUR	D/C	49	255	0	3	-3
46	220 kV	BADOD-KOTA	S/C	30	25	0.0	0.7	-0.7
47		BADOD-MORAK	S/C	0	97	0.0	1.4	-1.4
48		MEHGAON-AURAIYA	S/C	72	8	0.6	0.0	0.6
49	MALANPUR-AURAIYA	S/C	31	30	0.1	0.2	-0.1	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>42.3</b>	<b>181.3</b>	<b>-139.0</b>
<b>Import/Export of WR (With SR)</b>								
51	HVDC	BHADRAWATI B/B	-	0	989	0.0	24.1	-24.1
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2514	0.0	44.6	-44.6
54		WARDHA-NIZAMABAD	D/C	0	2487	0.0	48.3	-48.3
55	400 kV	KOLHAPUR-KUDGI	D/C	737	0	9.6	0.0	9.6
56	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	1	62	1.1	0.0	1.1
<b>WR-SR</b>						<b>10.7</b>	<b>116.9</b>	<b>-106.3</b>
<b>TRANSNATIONAL EXCHANGE</b>								
59		BHUTAN						<b>1.0</b>
60		NEPAL						<b>-6.4</b>
61		BANGLADESH						<b>-19.1</b>