



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: 04<sup>th</sup> May 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 03.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-मई-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 03<sup>rd</sup> May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

4-May-19

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)	47791	48353	43853	14655	2351	157003
Peak Shortage (MW)	531	0	0	0	229	760
Energy Met (MU)	1068	1220	1010	353	42	3694
Hydro Gen (MU)	236	53	73	73	15	451
Wind Gen (MU)	15	89	167	-----	-----	271
Solar Gen (MU)*	26.38	25.68	90.23	1.86	-----	144
Energy Shortage (MU)	10.8	0.0	0.0	0.0	2.0	12.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52971 22:47	54107 14:42	44301 22:13	20729 00:01	2191 18:46	164210 22:32

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	0.046	0.00	1.39	4.76	6.15	65.96	27.89

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	7077	0	141.2	72.3	-1.8	50	0.0
	Haryana	7396	0	138.9	106.9	0.1	248	0.0
	Rajasthan	10455	0	226.9	70.1	0.1	396	0.0
	Delhi	5284	0	105.0	89.7	-0.6	225	0.1
	UP	18772	0	341.6	155.5	2.1	1122	0.0
	Uttarakhand	1928	0	37.9	15.3	-1.3	130	0.0
	HP	1327	0	27.0	6.9	1.7	171	0.0
	J&K	2123	531	45.3	24.8	0.5	258	10.8
WR	Chandigarh	235	0	4.7	5.4	-0.8	7	0.0
	Chhattisgarh	4490	0	98.3	51.5	-4.0	1685	0.0
	Gujarat	17177	0	379.4	119.0	1.7	406	0.0
	MP	9543	0	212.8	107.4	0.0	1012	0.0
	Maharashtra	21530	0	485.2	140.6	-1.7	2633	0.0
	Goa	541	0	13.5	11.5	1.4	132	0.0
	DD	311	0	7.0	6.9	0.1	78	0.0
	DNH	773	0	18.2	18.3	-0.1	58	0.0
SR	Essar steel	314	0	5.5	5.3	0.2	268	0.0
	Andhra Pradesh	8322	0	181.0	34.0	-0.1	498	0.0
	Telangana	7716	0	168.4	48.6	0.0	440	0.0
	Karnataka	11330	0	223.4	69.2	0.1	485	0.0
	Kerala	3964	0	81.9	54.4	1.2	190	0.0
	Tamil Nadu	15428	0	347.2	153.7	-0.2	492	0.0
	Pondy	425	0	8.6	8.9	-0.3	54	0.0
	Bihar	5006	0	82.8	78.4	0.8	110	0.0
ER	DVC	3107	0	61.1	-36.6	-0.1	260	0.0
	Jharkhand	1000	0	21.4	13.0	-1.4	30	0.0
	Odisha	3198	0	51.1	13.2	-0.1	270	0.0
	West Bengal	8337	0	135.6	34.9	0.3	450	0.0
	Sikkim	97	0	1.3	1.6	-0.3	10	0.0
NER	Arunachal Pradesh	113	4	2.2	2.3	-0.1	28	0.0
	Assam	1437	58	23.6	18.9	1.3	118	1.7
	Manipur	134	8	2.4	2.1	0.3	35	0.0
	Meghalaya	307	4	5.6	2.1	0.0	19	0.1
	Mizoram	91	3	1.8	1.4	0.3	23	0.0
	Nagaland	97	4	2.3	2.0	0.1	28	0.0
	Tripura	251	19	4.1	3.9	-0.4	37	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.3	-6.7	-16.8
Day peak (MW)	881.2	-461.0	-867.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.9	-214.3	73.5	-68.5	-11.3	0.4
Actual(MU)	220.3	-230.0	84.3	-62.7	-8.2	3.9
O/D/U/D(MU)	-0.6	-15.8	10.8	5.9	3.2	3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5467	11680	8102	2760	137	28145
State Sector	9730	14368	7580	5045	50	36773
Total	15197	26048	15682	7805	187	64918

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	483	1193	470	381	11	2537
Lignite	19	13	46	0	0	77
Hydro	236	53	73	73	15	451
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	36	50	16	0	28	130
RES (Wind, Solar, Biomass & Others)	64	120	289	2	0	475
Total	865	1461	930	456	54	3765

Share of RES in total generation (%)	7.39	8.21	31.13	0.41	0.04	12.62
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.91	13.97	42.92	16.46	28.24	27.13

H. Diversity Factor

All India Demand Diversity Factor	1.061
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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 : 4-May-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	560	0.0	6.3	-6.3	
2		SASARAM-FATEHPUR	S/C	0	518	0.0	5.8	-5.8	
3	HVDC	GAYA-BALIA	S/C	0	287	0.0	3.3	-3.3	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	62	0.0	0.9	-0.9	
7		PUSAULI -ALLAHABAD	S/C	2	35	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1312	0.0	20.4	-20.4	
9		PATNA-BALIA	Q/C	0	1294	0.0	15.1	-15.1	
10		BIHARSHARIFF-BALIA	D/C	0	735	0.0	10.4	-10.4	
11		MOTIHARI-GORAKHPUR	D/C	0	416	0.0	6.6	-6.6	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0	
13		PUSAULI-SAHUPURI	S/C	0	184	0.0	3.0	-3.0	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.4</b>	<b>73.3</b>	<b>-72.9</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	997	0	18.8	0.0	18.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	519	50	6.0	0.0	6.0	
20		JHARSUGUDA-DURG	D/C	29	117	0.0	1.0	-1.0	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	341	0.0	4.1	-4.1	
22		RANCHI-SIPAT	D/C	160	77	1.4	0.0	1.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	141	0.0	2.5	-2.5	
24		BUDHIPADAR-KORBA	D/C	92	5	1.2	0.0	1.2	
<b>ER-WR</b>						<b>27.5</b>	<b>7.5</b>	<b>20.0</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1798.0	0.0	30.4	-30.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	13.7	-13.7	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1580.0	0.0	24.1	-24.1	
28	400 kV	TALCHER-I/C	D/C	1018.0	0.0	15.3	0.0	15.3	
29	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>68.3</b>	<b>-68.3</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	444	0	7.7	0.0	8	
31		ALIPURDUAR-BONGAIGAON	D/C	559	0	9.5	0.0	9	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	85	0	1.1	0.0	1	
<b>ER-NER</b>						<b>18.3</b>	<b>0.0</b>	<b>18.3</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	407	0	10.0	0.0	10.0	
<b>NER-NR</b>						<b>10.0</b>	<b>0.0</b>	<b>10.0</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1503	0.0	12.3	-12.3	
35		V'CHAL B/B	D/C	242	255	2.9	2.9	0.0	
36		APL -MHG	D/C	0	1544	0.0	30.1	-30.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2452	0.0	45.5	-45.5	
38		PHAGI-GWALIOR	D/C	0	1343	0.0	23.5	-23.5	
39		JABALPUR-ORAI	D/C	0	858	0.0	30.1	-30.1	
40		GWALIOR-ORAI	S/C	592	0	11.0	0.0	11.0	
41		SATNA-ORAI	S/C	0	1350	0.0	27.6	-27.6	
42		CHITORGARH-BANASKANTHA	D/C	139	677	0.0	2.3	2.3	
43	400 kV	ZERDA-KANKROLI	S/C	159	69	1.8	0.0	1.8	
44		ZERDA -BHINMAL	S/C	58	145	0.0	0.9	-0.9	
45		V'CHAL -RIHAND	S/C	483	0	10.0	0.0	10.0	
46	220 kV	RAPP-SHUJALPUR	D/C	0	299	0	1	-1	
47		BHANPURA-KOTA	S/C	27	43	0.0	0.6	-0.6	
48		BHANPURA-MORAK	S/C	0	85	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	40	20	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	18	43	0.0	0.4	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>25.9</b>	<b>178.9</b>	<b>-148.3</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	20.7	-20.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1794	0.0	23.0	-23.0	
55		WARDHA-NIZAMABAD	D/C	0	1388	0.0	22.4	-22.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	722	0	9.9	0.0	9.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
59		XELDEM-AMBEWADI	S/C	0	58	1.2	0.0	1.2	
<b>WR-SR</b>						<b>11.1</b>	<b>66.0</b>	<b>-54.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>14.3</b>	
61		NEPAL						<b>-6.7</b>	
62		BANGLADESH						<b>-16.8</b>	