



**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: 31<sup>th</sup> May 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 30.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30<sup>th</sup> May 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

31-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)	56513	51494	43549	20641	2601	174798
Peak Shortage (MW)	560	0	0	0	168	728
Energy Met (MU)	1347	1263	1018	472	46	4145
Hydro Gen (MU)	276	19	52	75	15	435
Wind Gen (MU)	14	104	74	-----	-----	192
Solar Gen (MU)*	25.05	25.42	75.67	1.13	0.04	127
Energy Shortage (MU)	11.7	0.0	0.0	0.0	1.9	13.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60393 22:23	57102 14:59	45295 14:58	21868 00:00	2570 20:13	182610 14:58

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	0.00	4.56	4.56	64.11	31.33

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	8115	0	183.6	83.4	-1.2	61	0.0
	Haryana	8803	20	185.9	118.6	0.4	159	0.6
	Rajasthan	11668	0	250.0	67.0	-1.1	206	0.0
	Delhi	6207	0	128.1	106.5	0.7	290	0.1
	UP	21493	0	469.0	210.6	0.7	839	0.0
	Uttarakhand	2101	0	46.7	22.9	0.2	327	0.0
	HP	1391	0	30.3	7.1	0.8	214	0.0
	J&K	2247	562	47.0	25.7	0.5	439	11.0
WR	Chandigarh	308	0	6.0	6.7	-0.7	95	0.0
	Chhattisgarh	3927	0	88.6	38.6	-1.3	285	0.0
	Gujarat	18062	0	394.1	90.4	5.8	513	0.0
	MP	9782	0	226.4	104.8	0.0	335	0.0
	Maharashtra	22774	0	509.6	130.5	-5.5	473	0.0
	Goa	541	0	12.3	11.5	0.3	29	0.0
	DD	344	0	7.5	7.2	0.3	39	0.0
	DNH	759	0	17.8	17.6	0.1	74	0.0
SR	Essar steel	334	0	6.4	6.4	0.1	180	0.0
	Andhra Pradesh	9026	0	183.2	56.0	0.8	628	0.0
	Telangana	8344	0	177.5	57.6	0.4	682	0.0
	Karnataka	10632	0	213.1	55.9	1.0	673	0.0
	Kerala	4216	0	85.1	61.0	1.8	331	0.0
	Tamil Nadu	15718	0	349.5	168.9	1.2	586	0.0
	Pondy	437	0	9.3	9.3	0.0	45	0.0
	ER	Bihar	4734	0	92.4	89.8	-2.7	500
DVC		3138	0	72.0	-42.7	4.2	400	0.0
Jharkhand		1156	0	26.3	22.8	-1.9	150	0.0
Odisha		4629	0	91.6	34.8	0.7	415	0.0
West Bengal		8932	0	189.0	68.1	1.4	320	0.0
Sikkim		80	0	1.0	1.2	-0.2	40	0.0
NER	Arunachal Pradesh	116	1	2.1	1.9	0.2	47	0.0
	Assam	1618	112	27.0	22.4	0.9	130	1.5
	Manipur	179	1	2.5	2.0	0.5	37	0.0
	Meghalaya	313	0	4.9	3.0	0.0	65	0.3
	Mizoram	94	2	1.7	1.4	0.3	19	0.0
	Nagaland	124	2	2.2	2.1	-0.1	23	0.0
	Tripura	291	4	5.3	4.9	0.6	74	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.4	-8.4	-27.1
Day peak (MW)	583.1	-448.3	-1147.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	234.6	-284.5	90.1	-35.7	-4.5	-0.1
Actual(MU)	255.8	-300.3	97.5	-45.2	-3.2	4.7
O/D/U/D(MU)	21.2	-15.7	7.4	-9.5	1.3	4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3830	12566	6222	1950	327	24895
State Sector	6910	11295	3980	4090	50	26325
Total	10740	23861	10202	6040	377	51220

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	684	1320	580	477	11	3073
Lignite	24	14	45	0	0	83
Hydro	276	19	52	75	15	435
Nuclear	27	31	58	0	0	116
Gas, Naptha & Diesel	53	50	15	0	29	146
RES (Wind, Solar, Biomass & Others)	56	138	183	1	0	378
Total	1120	1572	932	553	55	4232

Share of RES in total generation (%)	5.01	8.80	19.59	0.21	0.07	8.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.04	11.95	31.34	13.69	27.40	21.96

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 : 31-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	104	324	0.0	0.6	-0.6
2		SASARAM-FATEHPUR	S/C	104	158	0.2	0.0	0.2
3		GAYA-BALIA	S/C	0	384	0.0	6.4	-6.4
4	HVDC	ALIPURDUAR-AGRA	-	0	504	0.0	12.4	-12.4
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	122	0.0	2.0	-2.0
7		PUSAULI-ALLAHABAD	S/C	64	0	1.1	0.0	1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	704	0.0	10.0	-10.0
9		PATNA-BALIA	Q/C	0	843	0.0	15.3	-15.3
10		BIHARSHARIFF-BALIA	D/C	0	373	0.0	7.3	-7.3
11		MOTIHARI-GORAKHPUR	D/C	0	395	0.0	6.8	-6.8
12		BIHARSHARIFF-VARANASI	D/C	134	98	0.0	0.1	-0.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	177	0.0	3.1	-3.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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>1.8</b>	<b>65.3</b>	<b>-63.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1909	0	30.3	0.0	30.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	1035	0	16.0	0.0	16.0
20		JHARSUGUDA-DURG	D/C	214	0	2.9	0.0	2.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	450	0	7.9	0.0	7.9
22		RANCHI-SIPAT	D/C	357	0	5.7	0.0	5.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	9	76	0.0	0.7	-0.7
24		BUDHIPADAR-KORBA	D/C	180	0	3.2	0.0	3.2
<b>ER-WR</b>						<b>66.0</b>	<b>0.7</b>	<b>65.3</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1821.0	0.0	26.2	-26.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	428.0	0.0	9.9	-9.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1987.0	0.0	47.3	-47.3
28	400 kV	TALCHER-I/C	D/C	312.0	336.0	0.0	5.4	-5.4
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>83.4</b>	<b>-83.4</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	412	0.0	5.6	-6
31		ALIPURDUAR-BONGAIGAON	D/C	225	153	0.4	0.0	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	30	78	0.0	0.7	-1
<b>ER-NER</b>						<b>0.4</b>	<b>6.3</b>	<b>-5.9</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	9.7	-9.7
<b>NER-NR</b>						<b>0.0</b>	<b>9.7</b>	<b>-9.7</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2506	0.0	47.3	-47.3
35		V'CHAL B/B	D/C	362	0	8.9	0.0	8.9
36		APL -MHG	D/C	0	1637	0.0	37.9	-37.9
37	765 kV	GWALIOR-AGRA	D/C	0	2634	0.0	46.9	-46.9
38		PHAGI-GWALIOR	D/C	0	988	0.0	18.1	-18.1
39		JABALPUR-ORAI	D/C	0	899	0.0	30.9	-30.9
40		GWALIOR-ORAI	S/C	376	0	7.5	0.0	7.5
41		SATNA-ORAI	S/C	0	1495	0.0	30.0	-30.0
42		CHITTORGARH-BANASKANTHA	D/C	0	507	0.0	5.2	5.2
43		ZERDA-KANKROLI	S/C	75	45	0.5	0.1	0.4
44	400 kV	ZERDA -BHINMAL	S/C	205	91	0.6	0.0	0.6
45		V'CHAL -RIHAND	S/C	903	0	22.4	0.0	22.4
46	220 kV	RAPP-SHUJALPUR	D/C	70	214	0	1	-1
47		BHANPURA-KOTA	S/C	21	44	0.1	0.3	-0.2
48		BHANPURA-MORAK	S/C	0	102	0.0	1.4	-1.4
49	132kV	MEHGAON-AURAIYA	S/C	72	0	1.0	0.0	1.0
50		MALANPUR-AURAIYA	S/C	45	13	0.3	0.0	0.2
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.1</b>	<b>219.0</b>	<b>-167.5</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	152	1988	0.0	20.1	-20.1
55		WARDHA-NIZAMABAD	D/C	0	2017	0.0	27.7	-27.7
56	400 kV	KOLHAPUR-KUDGI	D/C	917	742	12.8	0.0	12.8
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	45	1.1	0.0	1.1
<b>WR-SR</b>						<b>13.9</b>	<b>71.4</b>	<b>-57.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>9.4</b>
61		NEPAL						<b>-8.4</b>
62		BANGLADESH						<b>-27.1</b>