



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: 30<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., डोंगतेिह, 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 29.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29<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

30-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)	55876	51761	43693	22349	2702	176381
Peak Shortage (MW)	884	0	0	0	114	998
Energy Met (MU)	1306	1260	1024	490	48	4129
Hydro Gen (MU)	259	21	47	75	16	418
Wind Gen (MU)	16	96	72	-----	-----	184
Solar Gen (MU)*	28.63	25.90	83.22	1.05	0.05	139
Energy Shortage (MU)	12.9	0.0	0.0	0.0	1.3	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58642 22:47	57096 15:26	45949 14:54	23194 20:20	2783 19:00	181795 15:22

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	0.030	0.00	0.00	3.36	3.36	77.21	19.43

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	7858	0	175.9	79.4	-1.0	76	0.0
	Haryana	8286	350	179.3	117.8	0.4	144	0.9
	Rajasthan	11634	0	256.2	68.7	-0.7	394	0.0
	Delhi	5966	0	121.6	102.4	0.5	290	0.0
	UP	20989	710	444.4	196.8	1.4	621	0.0
	Uttarakhand	2075	0	46.3	22.6	0.9	180	0.5
	HP	1424	24	29.2	6.9	2.6	286	0.4
	J&K	2177	544	47.2	24.8	1.7	605	11.1
WR	Chandigarh	295	0	5.6	6.1	-0.5	3	0.0
	Chhattisgarh	3731	0	85.0	37.0	-3.3	426	0.0
	Gujarat	17725	0	389.9	92.4	3.0	508	0.0
	MP	9827	0	226.3	113.7	0.0	510	0.0
	Maharashtra	23134	0	515.8	130.8	-0.4	437	0.0
	Goa	541	0	12.3	11.4	0.3	141	0.0
	DD	339	0	7.5	7.2	0.3	89	0.0
	DNH	736	0	16.7	16.7	0.0	79	0.0
SR	Essar steel	375	0	6.9	7.5	-0.6	242	0.0
	Andhra Pradesh	9622	0	197.1	61.9	-1.1	442	0.0
	Telangana	8684	0	186.6	61.4	0.4	597	0.0
	Karnataka	10135	0	206.3	56.5	0.8	529	0.0
	Kerala	4091	0	79.6	59.8	1.3	233	0.0
	Tamil Nadu	15328	0	345.2	171.8	0.8	747	0.0
	Pondy	434	0	8.9	9.2	-0.3	52	0.0
	ER	Bihar	5291	0	107.7	101.1	0.8	450
DVC		3203	0	68.7	-43.4	0.1	345	0.0
Jharkhand		1272	0	28.2	23.0	-0.4	115	0.0
Odisha		4395	0	86.6	31.2	1.1	435	0.0
West Bengal		9458	0	198.1	67.2	3.1	400	0.0
Sikkim		88	0	1.1	1.3	-0.2	30	0.0
NER	Arunachal Pradesh	123	1	2.2	2.3	-0.1	61	0.0
	Assam	1706	83	28.6	25.3	0.0	162	0.9
	Manipur	180	2	2.8	2.2	0.6	32	0.0
	Meghalaya	314	0	5.3	2.4	0.5	65	0.3
	Mizoram	91	1	1.8	1.4	0.3	17	0.0
	Nagaland	120	2	2.1	2.1	-0.1	26	0.0
	Tripura	288	3	5.6	5.0	0.4	79	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.6	-10.8	-26.4
Day peak (MW)	679.2	-582.0	-1135.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	237.4	-284.3	91.0	-37.1	-7.0	0.0
Actual(MU)	252.6	-305.3	94.0	-35.4	-6.8	-0.8
O/D/U/D(MU)	15.2	-21.0	3.0	1.7	0.2	-0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4824	11639	7322	1450	77	25312
State Sector	8120	11505	3590	3590	50	26855
Total	12944	23144	10912	5040	127	52167

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	662	1318	586	479	16	3060
Lignite	25	14	46	0	0	85
Hydro	259	21	47	75	16	418
Nuclear	27	31	58	0	0	116
Gas, Naptha & Diesel	49	53	14	0	29	146
RES (Wind, Solar, Biomass & Others)	61	129	189	1	0	380
Total	1083	1566	940	556	61	4205

Share of RES in total generation (%)	5.66	8.25	20.11	0.20	0.08	9.05
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.04	11.52	31.27	13.75	26.88	21.74

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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 : 30-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	180	216	0.0	0.6	-0.6
2		SASARAM-FATEHPUR	S/C	206	84	0.9	0.0	0.9
3		GAYA-BALIA	S/C	0	374	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	12.5	-12.5
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	119	0.0	2.1	-2.1
7		PUSAULI -ALLAHABAD	S/C	61	0	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	638	0.0	9.8	-9.8
9		PATNA-BALIA	Q/C	0	742	0.0	15.4	-15.4
10		BIHARSHARIFF-BALIA	D/C	0	375	0.0	7.3	-7.3
11		MOTIHARI-GORAKHPUR	D/C	0	274	0.0	5.2	-5.2
12		BIHARSHARIFF-VARANASI	D/C	175	124	0.3	0.0	0.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	168	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>2.8</b>	<b>63.7</b>	<b>-60.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1735	0	25.4	0.0	25.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	1009	0	15.4	0.0	15.4
20		JHARSUGUDA-DURG	D/C	211	0	2.3	0.0	2.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	1007	0	14.8	0.0	14.8
22		RANCHI-SIPAT	D/C	358	0	6.9	0.0	6.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	35	53	0.0	0.2	-0.2
24		BUDHIPADAR-KORBA	D/C	167	0	3.0	0.0	3.0
<b>ER-WR</b>						<b>67.8</b>	<b>0.2</b>	<b>67.6</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1593.0	0.0	27.2	-27.2
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	2002.0	0.0	44.1	-44.1
28	400 kV	TALCHER-I/C	D/C	323.0	704.0	0.0	3.1	-3.1
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>81.2</b>	<b>-81.2</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	398	0.0	4.4	-4
31		ALIPURDUAR-BONGAIGAON	D/C	289	125	2.1	0.0	2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	30	75	0.0	0.4	0
<b>ER-NER</b>						<b>2.1</b>	<b>4.8</b>	<b>-2.6</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	2009	0.0	41.8	-41.8
35		V'CHAL B/B	D/C	451	0	8.9	0.0	8.9
36		APL -MHG	D/C	0	1544	0.0	36.7	-36.7
37	765 kV	GWALIOR-AGRA	D/C	0	2562	0.0	50.5	-50.5
38		PHAGI-GWALIOR	D/C	0	1232	0.0	21.3	-21.3
39		JABALPUR-ORAI	D/C	0	884	0.0	32.8	-32.8
40		GWALIOR-ORAI	S/C	442	0	8.2	0.0	8.2
41		SATNA-ORAI	S/C	0	1458	0.0	31.8	-31.8
42		CHITTORGARH-BANASKANTHA	D/C	0	603	0.0	6.4	6.4
43		ZERDA-KANKROLI	S/C	95	65	0.9	0.1	0.8
44	400 kV	ZERDA -BHINMAL	S/C	175	99	1.0	0.0	1.0
45		V'CHAL -RIHAND	S/C	962	0	22.1	0.0	22.1
46	220 kV	RAPP-SHUJALPUR	D/C	120	208	0	0	0
47		BHANPURA-KOTA	S/C	32	44	0.1	0.3	-0.2
48		BHANPURA-MORAK	S/C	0	96	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	61	0	0.9	0.0	0.9
50	132kV	MALANPUR-AURAIYA	S/C	25	12	0.1	0.0	0.1
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>42.1</b>	<b>223.5</b>	<b>-168.6</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	24.0	-24.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	342	2127	0.0	18.1	-18.1
55		WARDHA-NIZAMABAD	D/C	0	2138	0.0	30.0	-30.0
56	400 kV	KOLHAPUR-KUDGI	D/C	919	715	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	56	1.2	0.0	1.2
<b>WR-SR</b>						<b>14.0</b>	<b>72.1</b>	<b>-58.1</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>8.6</b>
61		NEPAL						<b>-10.8</b>
62		BANGLADESH						<b>-26.4</b>