



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: 28<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 27.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27<sup>th</sup> May 2019, is available at the NLDC website.

धन्यवाद,

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)	53530	51613	43142	21552	2460	172297
Peak Shortage (MW)	944	0	0	0	158	1102
Energy Met (MU)	1235	1254	1008	485	43	4025
Hydro Gen (MU)	258	28	71	90	17	463
Wind Gen (MU)	12	85	86	-----	-----	183
Solar Gen (MU)*	32.23	25.72	85.15	2.48	0.02	146
Energy Shortage (MU)	11.2	0.0	0.0	0.0	2.9	14.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56889 22:58	56971 16:37	45914 14:59	23396 23:26	2493 19:13	181051 22:59

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	0.063	0.00	3.70	13.15	16.85	75.13	8.02

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	7132	0	155.9	78.8	-1.8	67	0.0
	Haryana	8100	100	165.3	115.5	0.4	188	0.1
	Rajasthan	11072	0	248.1	71.8	-1.4	329	0.0
	Delhi	5499	0	111.8	95.8	0.4	303	0.1
	UP	20284	340	428.2	186.3	-0.8	378	0.0
	Uttarakhand	2101	0	45.0	21.0	0.6	102	0.0
	HP	1382	0	28.9	6.8	2.3	259	0.0
	J&K	2415	604	46.7	25.2	1.0	253	11.0
WR	Chhattisgarh	266	0	5.2	6.1	-0.9	0	0.0
	Gujarat	4033	0	94.3	40.7	-0.4	371	0.0
	MP	17789	0	385.7	100.8	3.7	706	0.0
	Maharashtra	9774	0	224.0	115.9	0.0	448	0.0
	Maharashtra	22799	0	509.5	138.0	-1.1	334	0.0
	Goa	541	0	12.4	11.3	0.5	40	0.0
	DD	325	0	7.1	6.9	0.2	80	0.0
	DNH	727	0	14.6	14.9	-0.4	239	0.0
SR	Essar steel	350	0	6.3	6.8	-0.5	231	0.0
	Andhra Pradesh	9725	0	197.0	63.7	0.7	728	0.0
	Telangana	8247	0	176.0	57.4	0.3	574	0.0
	Karnataka	10185	0	194.9	60.7	0.7	803	0.0
	Kerala	4177	0	85.6	58.9	1.4	206	0.0
	Tamil Nadu	15170	0	345.5	162.0	2.3	794	0.0
	Pondy	436	0	9.2	8.9	0.2	73	0.0
	Bihar	5354	0	105.3	100.3	-0.3	50	0.0
ER	DVC	3213	0	67.9	-47.0	-0.2	120	0.0
	Jharkhand	1351	0	28.2	19.8	-1.1	50	0.0
	Odisha	4539	0	96.5	35.4	1.5	300	0.0
	West Bengal	9546	0	185.5	58.3	-0.2	310	0.0
	Sikkim	94	0	1.3	1.3	0.0	20	0.0
NER	Arunachal Pradesh	123	4	2.2	2.6	-0.4	33	0.0
	Assam	1548	41	25.2	20.7	0.9	124	2.5
	Manipur	158	3	2.5	2.4	0.1	29	0.0
	Meghalaya	272	2	4.7	2.6	0.0	78	0.3
	Mizoram	96	1	1.5	1.4	0.1	19	0.0
	Nagaland	112	3	2.2	2.1	0.0	19	0.0
	Tripura	242	13	5.0	4.7	0.5	79	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.4	-10.5	-26.5
Day peak (MW)	723.9	-557.0	-1133.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	236.0	-269.5	89.1	-50.8	-4.8	0.0
Actual(MU)	236.8	-272.2	95.3	-53.5	-10.3	-3.9
O/D/U/D(MU)	0.8	-2.7	6.2	-2.7	-5.5	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5083	11775	7112	1700	90	25759
State Sector	7250	13326	4640	2880	50	28146
Total	12333	25101	11752	4580	139	53905

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	614	1301	539	473	14	2942
Lignite	21	14	46	0	0	80
Hydro	258	28	71	90	17	463
Nuclear	27	31	58	0	0	116
Gas, Naptha & Diesel	35	51	16	0	28	130
RES (Wind, Solar, Biomass & Others)	64	118	191	3	0	374
Total	1020	1542	921	566	59	4107

Share of RES in total generation (%)	6.24	7.62	20.69	0.45	0.03	9.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.21	11.43	34.74	16.31	28.26	23.22

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 :	28-May-19
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	60	246	0.0	3.7	-3.7	
2		SASARAM-FATEHPUR	S/C	125	300	0.0	2.6	-2.6	
3		GAYA-BALIA	S/C	0	293	0.0	5.1	-5.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.6	-12.6	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	93	0.0	1.3	-1.3	
7		PUSAULI -ALLAHABAD	S/C	35	31	0.2	0.0	0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	826	0.0	14.8	-14.8	
9		PATNA-BALIA	Q/C	0	904	0.0	16.8	-16.8	
10		BIHARSHARIFF-BALIA	D/C	0	427	0.0	8.7	-8.7	
11		MOTIHARI-GORAKHPUR	D/C	0	327	0.0	6.3	-6.3	
12	BIHARSHARIFF-VARANASI	D/C	39	259	0.0	3.4	-3.4		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	174	0.0	3.2	-3.2	
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	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>0.8</b>	<b>79.6</b>	<b>-78.9</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1540	0	31.6	0.0	31.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	855	0	12.7	0.0	12.7	
20		JHARSUGUDA-DURG	D/C	160	31	2.6	0.0	2.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	980	0	10.1	0.0	10.1	
22		RANCHI-SIPAT	D/C	343	0	4.0	0.0	4.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	34	63	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	158	0	2.8	0.0	2.8	
						<b>ER-WR</b>	<b>63.8</b>	<b>0.3</b>	<b>63.5</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1851.0	0.0	32.8	-32.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	518.0	0.0	11.5	-11.5	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1489.0	0.0	31.4	-31.4	
28	400 kV	TALCHER-I/C	D/C	871.0	259.0	2.5	0.0	2.5	
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>75.7</b>	<b>-75.7</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	69	231	0.0	1.7	-2	
31		ALIPURDUAR-BONGAIGAON	D/C	353	0	5.0	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	49	38	0.1	0.0	0	
						<b>ER-NER</b>	<b>5.0</b>	<b>1.7</b>	<b>3.3</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	305	0.0	7.4	-7.4	
						<b>NER-NR</b>	<b>0.0</b>	<b>7.4</b>	<b>-7.4</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1014	0.0	24.1	-24.1	
35		V'CHAL B/B	D/C	452	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1639	0.0	35.3	-35.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2315	0.0	46.1	-46.1	
38		PHAGI-GWALIOR	D/C	0	1224	0.0	24.0	-24.0	
39		JABALPUR-ORAI	D/C	0	853	0.0	31.3	-31.3	
40		GWALIOR-ORAI	S/C	446	0	9.0	0.0	9.0	
41		SATNA-ORAI	S/C	0	1450	0.0	31.8	-31.8	
42		CHITTORGARH-BANASKANTHA	D/C	10	377	0.0	3.4	3.4	
43	400 kV	ZERDA-KANKROLI	S/C	114	30	1.0	0.0	1.0	
44		ZERDA -BHINMAL	S/C	121	118	0.4	0.0	0.4	
45		V'CHAL -RIHAND	S/C	965	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	154	170	0	1	-1	
47	220 kV	BHANPURA-KOTA	S/C	40	23	0.2	0.4	-0.1	
48		BHANPURA-MORAK	S/C	20	92	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	40	5	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	12	34	0.0	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>45.3</b>	<b>198.5</b>	<b>-146.5</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	21.3	-21.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	91	1917	0.0	21.6	-21.6	
55		WARDHA-NIZAMABAD	D/C	0	1652	0.0	27.8	-27.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	834	385	11.9	0.0	11.9	
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	1	55	1.0	0.0	1.0	
						<b>WR-SR</b>	<b>12.9</b>	<b>70.8</b>	<b>-57.9</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>10.4</b>	
61		NEPAL						<b>-10.5</b>	
62		BANGLADESH						<b>-26.5</b>	