



**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: 09<sup>th</sup> May 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
General Manager, 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. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 08.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मई-2018 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 08<sup>th</sup> May 2018, 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

9-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	45787	48150	40250	20222	2166	156576
Peak Shortage (MW)	567	96	0	130	249	1042
Energy Met (MU)	976	1177	942	453	35	3583
Hydro Gen (MU)	179	52	46	76	13	366
Wind Gen (MU)	11	80	57	-----	-----	147
Solar Gen (MU)*	18.97	21.47	55.05	0.81	0.01	96
Energy Shortage (MU)	11.3	0.0	0.0	0.4	2.1	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46409 19:46	52038 15:51	42832 14:37	20833 23:01	2229 18:45	159027 19:48

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	0.048	0.00	0.71	12.86	13.56	79.97	6.47

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	6420	0	135.3	64.8	-0.7	88	0.0
	Haryana	5986	0	112.1	67.9	4.3	548	0.6
	Rajasthan	8816	251	191.2	56.7	1.6	435	0.7
	Delhi	4687	0	97.1	82.0	-1.0	181	0.2
	UP	16002	0	334.9	137.4	4.1	788	0.0
	Uttarakhand	1732	0	35.3	14.8	1.2	332	0.0
	HP	1219	0	22.6	11.6	0.5	160	0.0
	J&K	2269	567	41.7	22.3	-1.8	275	9.9
WR	Chandigarh	480	0	5.7	4.7	1.0	262	0.0
	Chhattisgarh	3803	0	90.5	21.3	-1.5	99	0.0
	Gujarat	15458	0	347.0	158.2	6.3	565	0.0
	MP	8723	0	190.8	86.2	-3.8	530	0.0
	Maharashtra	22969	0	508.5	150.8	-0.2	594	0.0
	Goa	512	0	11.2	11.1	-0.4	49	0.0
	DD	309	0	7.1	6.9	0.2	49	0.0
	DNH	746	0	17.7	17.5	0.2	39	0.0
SR	Essar steel	223	0	3.7	4.0	-0.3	103	0.0
	Andhra Pradesh	8592	0	178.4	49.1	1.5	413	0.0
	Telangana	7129	0	154.1	44.3	-1.1	372	0.0
	Karnataka	9590	0	208.3	73.0	-2.6	355	0.0
	Kerala	3327	0	72.7	50.4	0.9	163	0.0
	Tamil Nadu	14180	0	321.0	151.1	-0.2	419	0.0
	Pondy	371	0	7.9	8.3	-0.4	18	0.0
	ER	Bihar	4814	0	92.5	90.2	0.7	150
DVC		3082	0	70.4	-53.6	1.4	220	0.4
Jharkhand		1335	0	26.7	20.4	0.9	85	0.0
Odisha		4518	0	92.3	40.8	0.4	225	0.0
West Bengal		7957	0	170.2	56.4	1.4	225	0.0
NER	Sikkim	96	0	1.4	2.2	-0.8	15	0.0
	Arunachal Pradesh	119	7	2.1	2.4	-0.3	35	0.0
	Assam	1328	190	20.6	16.7	0.9	138	1.7
	Manipur	160	3	2.1	2.3	-0.3	6	0.0
	Meghalaya	251	0	3.9	2.5	-0.4	20	0.0
	Mizoram	77	2	1.5	1.1	0.0	2	0.0
	Nagaland	115	3	1.9	2.0	-0.2	13	0.0
	Tripura	227	18	2.7	3.2	-0.8	0	0.3

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.7	-9.8	-14.9
Day peak (MW)	759.0	-433.9	-669.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.7	-190.2	74.9	-45.2	-3.5	-0.3
Actual(MU)	170.6	-197.9	73.7	-39.1	-6.0	1.3
O/D/U/D(MU)	6.9	-7.7	-1.2	6.1	-2.5	1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4224	12911	8742	2075	156	28108
State Sector	8990	16004	3680	4815	50	33539
Total	13214	28915	12422	6890	206	61647

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	529	1174	622	446	9	2781
Hydro	179	52	48	76	13	367
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	30	53	21	0	23	127
RES (Wind, Solar, Biomass & Others)	54	101	148	1	0	304
Total	819	1399	885	524	45	3671

Share of RES in total generation (%)	6.56	7.25	16.68	0.26	0.05	8.28
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.78	12.24	27.26	14.74	28.70	20.78

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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.

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड) / अध्यक्ष एवं प्रबंध निदेशक(पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	9-May-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	44	153	0.0	3.6	-3.6	
2		SASARAM-FATEHPUR	S/C	233	111	1.2	0.0	1.2	
3		GAYA-BALIA	S/C	0	314	0.0	6.0	-6.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	142	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	96	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	608	0.0	8.9	-8.9	
9		PATNA-BALIA	Q/C	0	1084	0.0	19.9	-19.9	
10		BIHARSHARIFF-BALIA	D/C	0	315	0.0	5.4	-5.4	
11		MOTIHARI-GORAKHPUR	D/C	0	268	0.0	4.6	-4.6	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	623	0	0.0	1.3	-1.3	
13		PUSAULI-SAHUPURI	S/C	0	168	0.0	2.5	-2.5	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	10	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>1.8</b>	<b>55.7</b>	<b>-53.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	790	0	14.0	0.0	14.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	220	400	0.0	0.6	-0.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	980	0	15.1	0.0	15.1	
21		RANCHI-SIPAT	D/C	455	0	8.6	0.0	8.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	56	67	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	144	0	3.0	0.0	3.0	
<b>ER-WR</b>						<b>40.7</b>	<b>0.7</b>	<b>40.0</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1359.8	0.0	25.0	-25.0	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	340.2	0.0	13.1	-13.1	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1887.5	0.0	37.8	-37.8	
27	400 kV	TALCHER-I/C	D/C	513.9	142.4	7.1	1.3	5.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>75.8</b>	<b>-75.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	504	186	3.1	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	384	181	3.9	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	7	90	0.0	0.5	-1	
<b>ER-NER</b>						<b>7.1</b>	<b>0.5</b>	<b>6.6</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
<b>NER-NR</b>						<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	71	1327	0.0	47.9	-47.9	
34		V'CHAL B/B	D/C	250	250	0.2	5.8	-5.7	
35		APL -MHG	D/C	0	810	0.0	14.3	-14.3	
36	765 kV	GWALIOR-AGRA	D/C	0	1239	0.0	24.8	-24.8	
37		PHAGI-GWALIOR	D/C	0	1400	0.0	27.8	-27.8	
38		JABALPUR-ORAI	D/C	0	503	0.0	6.0	-6.0	
39		GWALIOR-ORAI	S/C	329	0	4.5	0.0	4.5	
40		SATNA-ORAI	S/C	1827	0	0.0	40.6	-40.6	
41		ZERDA-KANKROLI	S/C	525	0	10.1	0.0	10.1	
42	400 kV	ZERDA -BHINMAL	S/C	508	0	8.0	0.0	8.0	
43		V'CHAL -RIHAND	S/C	962	0	21.3	0.0	21.3	
44		RAPP-SHUJALPUR	D/C	69	157	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	87	0	1.1	0.0	1.1	
46		BADOD-MORAK	S/C	38	16	0.2	0.1	0.1	
47		MEHGAON-AURAIYA	S/C	158	0	2.9	0.0	2.9	
48		MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>48.2</b>	<b>167.7</b>	<b>-119.5</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	20.2	-20.2	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	315	980	0.0	5.4	-5.4	
53		WARDHA-NIZAMABAD	D/C	0	1732	0.0	25.1	-25.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	599	118	6.4	0.1	6.3	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57	XELDEM-AMBEWADI		S/C	73	0	1.5	0.0	1.5	
<b>WR-SR</b>						<b>7.9</b>	<b>50.7</b>	<b>-42.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						15.7	
59		NEPAL						-9.8	
60		BANGLADESH						-14.9	