



**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: 10<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 09.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09<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

10-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	44172	48015	39617	20062	1927	153793
Peak Shortage (MW)	655	143	0	500	381	1679
Energy Met (MU)	1012	1177	920	440	30	3579
Hydro Gen (MU)	169	53	49	68	14	354
Wind Gen (MU)	6	56	44	-----	-----	106
Solar Gen (MU)*	15.88	21.22	53.66	0.84	0.01	92
Energy Shortage (MU)	25.2	0.0	0.0	1.5	3.0	29.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45533 21:10	52431 15:58	41517 14:51	20988 21:31	1904 20:13	156008 22:53

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	0.093	0.09	5.03	22.82	27.95	68.25	3.80

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	141.1	68.3	-0.9	96	0.0	
	Harvana	6370	133	130.6	77.7	4.0	345	7.5	
	Rajasthan	9571	0	204.7	67.4	3.8	468	5.6	
	Delhi	4730	0	95.5	82.3	-2.4	71	0.1	
	UP	15463	0	331.4	140.6	4.7	830	0.0	
	Uttarakhand	1947	0	38.0	17.6	0.3	220	1.7	
	HP	1307	5	24.7	10.9	3.4	663	0.5	
	J&K	2032	508	41.8	26.6	0.4	554	9.9	
	Chandigarh	212	0	4.2	4.4	-0.2	36	0.0	
	WR	Chhattisgarh	3749	0	88.5	20.0	-1.7	99	0.0
Gujarat		15459	0	346.7	167.2	5.7	565	0.0	
MP		8754	0	194.0	92.7	-1.3	530	0.0	
Maharashtra		23042	0	509.1	153.3	-1.3	594	0.0	
Goa		512	0	11.2	11.2	-0.5	49	0.0	
DD		321	0	7.0	6.2	0.9	49	0.0	
DNH		755	0	17.7	17.2	0.5	39	0.0	
Essar steel		89	0	3.0	3.1	0.0	103	0.0	
SR		Andhra Pradesh	8640	0	179.3	59.1	2.2	487	0.0
		Telangana	7058	0	149.4	41.0	-1.4	206	0.0
	Karnataka	8996	0	197.0	64.4	-2.5	430	0.0	
	Kerala	3600	0	69.8	48.9	0.6	235	0.0	
	Tamil Nadu	13998	0	316.9	149.2	0.8	525	0.0	
	Pondy	380	0	8.1	8.3	-0.2	67	0.0	
ER	Bihar	4656	0	82.9	83.3	-3.3	190	0.0	
	DVC	2981	0	69.9	-54.7	3.7	225	1.5	
	Jharkhand	1291	0	25.8	20.9	0.5	100	0.0	
	Odisha	4245	0	91.1	39.8	0.4	100	0.0	
	West Bengal	8590	0	168.9	57.9	1.0	225	0.0	
Sikkim	89	0	1.3	1.0	0.3	15	0.0		
NER	Arunachal Pradesh	109	9	2.0	2.7	-0.7	35	0.0	
	Assam	1185	305	17.3	14.7	0.4	138	2.5	
	Manipur	126	9	1.7	2.2	-0.5	6	0.1	
	Meghalaya	255	0	3.1	2.4	-0.7	20	0.0	
	Mizoram	71	5	1.4	1.2	-0.1	2	0.0	
	Nagaland	95	10	1.6	2.0	-0.5	13	0.1	
	Tripura	145	38	2.6	3.2	-0.6	0	0.3	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.9	-7.6	-14.8
Day peak (MW)	518.9	-278.8	-642.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.5	-188.2	68.6	-53.3	-5.6	-3.0
Actual(MU)	187.3	-193.4	60.4	-43.3	-10.8	0.1
O/D/U/D(MU)	11.8	-5.2	-8.2	10.0	-5.2	3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4113	13441	7982	1875	190	27601
State Sector	10190	15480	4140	4815	50	34675
Total	14303	28921	12122	6690	239	62275

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	560	1180	610	441	9	2799
Hydro	169	53	51	68	14	355
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	35	53	18	0	22	128
RES (Wind, Solar, Biomass & Others)	47	77	134	1	0	259
Total	838	1381	858	511	44	3633

Share of RES in total generation (%)	5.58	5.56	15.62	0.28	0.05	7.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.99	10.71	26.90	13.69	31.43	19.42

H. Diversity Factor

All India Demand Diversity Factor	1.041
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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 (पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 10-May-18

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	77	139	0.0	3.3	-3.3	
2		SASARAM-FATEHPUR	S/C	205	111	0.7	0.0	0.7	
3		GAYA-BALIA	S/C	0	318	0.0	5.6	-5.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	149	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	143	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	88	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	713	0.0	11.9	-11.9	
9		PATNA-BALIA	Q/C	0	1137	0.0	20.9	-20.9	
10		BIHARSHARIFF-BALIA	D/C	0	431	0.0	8.6	-8.6	
11		MOTIHARI-GORAKHPUR	D/C	0	264	0.0	4.9	-4.9	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	516	0	0.0	2.0	-2.0	
13		PUSAULI-SAHUPURI	S/C	0	188	0.0	3.6	-3.6	
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>1.3</b>	<b>64.5</b>	<b>-63.1</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	704	0	10.1	0.0	10.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	489	331	1.2	0.0	1.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	943	0	14.2	0.0	14.2	
21		RANCHI-SIPAT	D/C	477	0	8.4	0.0	8.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	63	56	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	139	0	2.6	0.0	2.6	
<b>ER-WR</b>						<b>36.5</b>	<b>0.0</b>	<b>36.5</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1379.8	0.0	25.2	-25.2	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	340.2	0.0	16.0	-16.0	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1583.7	0.0	30.9	-30.9	
27	400 kV	TALCHER-I/C	D/C	776.2	0.0	11.4	0.7	10.8	
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>72.1</b>	<b>-72.1</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	701	0	5.1	0.0	5	
30		ALIPURDUAR-BONGAIGAON	D/C	529	22	6.3	0.0	6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	42	55	0.1	0.0	0	
<b>ER-NER</b>						<b>11.4</b>	<b>0.0</b>	<b>11.4</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	0	2063	0.0	42.2	-42.2	
34		V'CHAL B/B	D/C	0	250	0.0	5.2	-5.2	
35		APL -MHG	D/C	0	1211	0.0	20.8	-20.8	
36	765 kV	GWALIOR-AGRA	D/C	0	2454	0.0	24.4	-24.4	
37		PHAGI-GWALIOR	D/C	0	1692	0.0	33.1	-33.1	
38		JABALPUR-ORAI	D/C	0	524	0.0	8.2	-8.2	
39		GWALIOR-ORAI	S/C	460	0	6.0	0.0	6.0	
40		SATNA-ORAI	S/C	1622	0	0.0	40.9	-40.9	
41		ZERDA-KANKROLI	S/C	466	0	10.3	0.0	10.3	
42	400 kV	ZERDA -BHINMAL	S/C	436	0	8.4	0.0	8.4	
43		V'CHAL -RIHAND	S/C	967	0	22.4	0.0	22.4	
44		RAPP-SHUJALPUR	D/C	0	209	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	108	0	1.2	0.0	1.2	
46		BADOD-MORAK	S/C	53	23	0.3	0.1	0.3	
47		MEHGAON-AURAIYA	S/C	153	0	2.6	0.0	2.6	
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>51.3</b>	<b>176.2</b>	<b>-125.0</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	500	0.0	11.3	-11.3	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	511	1109	0.0	5.7	-5.7	
53		WARDHA-NIZAMABAD	D/C	0	1711	0.0	26.8	-26.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	626	47	8.4	0.0	8.4	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		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>9.9</b>	<b>43.8</b>	<b>-33.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>10.9</b>	
59		NEPAL						<b>-7.6</b>	
60		BANGLADESH						<b>-14.8</b>	