



**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: 22<sup>nd</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 21.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21<sup>st</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

22-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49582	49087	39752	21400	2439	162260
Peak Shortage (MW)	657	97	0	0	155	909
Energy Met (MU)	1165	1197	904	445	44	3754
Hydro Gen (MU)	190	31	49	64	15	349
Wind Gen (MU)	18	68	83	-----	-----	169
Solar Gen (MU)*	15.09	19.17	53.46	0.81	0.01	89
Energy Shortage (MU)	20.9	0.0	0.0	0.0	1.2	22.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55668 23:04	54049 15:21	42200 14:58	22054 20:47	2487 19:00	167669 22:56

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	0.106	0.45	6.64	21.61	28.70	65.23	6.06

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	7740	0	172.9	78.6	-1.6	396	0.0
	Haryana	7255	342	145.2	72.9	2.8	567	8.1
	Rajasthan	10324	0	225.1	67.8	1.0	456	1.4
	Delhi	5532	0	111.3	85.8	-1.2	165	0.1
	UP	18857	0	398.5	172.9	3.6	684	0.0
	Uttarakhand	1945	150	41.2	21.0	0.7	229	1.9
	HP	1308	0	25.3	10.4	1.6	320	0.2
	J&K	1979	495	39.6	25.8	-3.3	426	9.3
WR	Chandigarh	294	0	5.5	5.4	0.1	35	0.0
	Chhattisgarh	3727	0	85.8	15.6	-1.1	109	0.0
	Gujarat	16124	0	352.9	142.4	5.9	417	0.0
	MP	8859	0	200.2	117.1	0.8	329	0.0
	Maharashtra	23694	0	513.8	147.9	-0.3	449	0.0
	Goa	489	0	10.7	9.9	0.4	77	0.0
	DD	340	0	7.4	6.3	1.1	128	0.0
	DNH	776	0	18.0	16.9	1.1	110	0.0
SR	Essar steel	395	0	7.7	7.2	0.5	220	0.0
	Andhra Pradesh	8607	0	178.1	56.6	-0.8	406	0.0
	Telangana	7330	0	158.2	50.2	-0.8	343	0.0
	Karnataka	7957	0	169.3	46.8	-2.5	475	0.0
	Kerala	3685	0	72.8	46.1	1.6	292	0.0
	Tamil Nadu	14167	0	317.6	154.2	-1.6	553	0.0
	Pondy	384	0	8.1	8.8	-0.7	36	0.0
	Bihar	4885	0	92.3	88.4	1.3	210	0.0
ER	DVC	2969	0	68.9	-39.8	1.0	260	0.0
	Jharkhand	1333	0	24.7	17.2	-0.2	50	0.0
	Odisha	4730	0	90.8	38.4	0.0	385	0.0
	West Bengal	8364	0	166.5	44.5	3.3	350	0.0
	Sikkim	88	0	1.3	1.7	-0.4	10	0.0
NER	Arunachal Pradesh	102	3	2.2	1.9	0.3	44	0.0
	Assam	1573	94	28.1	23.1	0.5	206	1.0
	Manipur	165	4	2.2	2.3	-0.1	30	0.0
	Meghalaya	274	0	4.6	2.7	-0.1	35	0.0
	Mizoram	83	3	1.6	0.8	0.3	6	0.0
	Nagaland	112	2	1.9	1.9	-0.1	41	0.0
	Tripura	223	3	3.4	2.9	-0.5	38	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.4	-8.5	-14.3
Day peak (MW)	512.6	-525.2	-642.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	228.9	-210.2	27.4	-49.1	3.7	0.7
Actual(MU)	232.5	-216.6	37.9	-51.3	2.9	5.3
O/D/U/D(MU)	3.6	-6.5	10.5	-2.2	-0.8	4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4433	12121	6482	1875	350	25261
State Sector	6970	14787	5020	5215	50	32042
Total	11403	26908	11502	7090	400	57303

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	644	1227	610	447	5	2933
Hydro	190	31	50	64	14	351
Nuclear	31	18	46	0	0	95
Gas, Naptha & Diesel	33	59	20	0	24	136
RES (Wind, Solar, Biomass & Others)	53	87	174	1	0	315
Total	951	1421	900	512	44	3829

Share of RES in total generation (%)	5.54	6.12	19.35	0.28	0.07	8.23
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.84	9.56	29.98	12.85	33.10	19.86

H. Diversity Factor

All India Demand Diversity Factor	1.052
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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(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(सि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	22-May-18
Sl 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	0	0	0.0	4.8	-4.8	
2		SASARAM-FATEHPUR	S/C	253	78	2.8	0.0	2.8	
3		GAYA-BALIA	S/C	0	717	0.0	11.6	-11.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	9.3	-9.3	
5		PUSAULI B/B	S/C	106	288	0.0	2.6	-2.6	
6	400 kV	PUSAULI-VARANASI	S/C	56	206	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	117	128	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	25	430	0.0	6.1	-6.1	
9		PATNA-BALIA	Q/C	0	962	0.0	15.3	-15.3	
10		BIHARSHARIFF-BALIA	D/C	0	490	0.0	7.7	-7.7	
11		MOTIHARI-GORAKHPUR	D/C	0	215	0.0	3.6	-3.6	
12	BIHARSHARIFF-VARANASI	D/C	179	213	0.4	0.0	0.4		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	197	0.0	4.2	-4.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	10	0	0.7	0.0	0.7	
16		KARMANASA-SAHUPURI	S/C	1	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>3.9</b>	<b>65.0</b>	<b>-61.2</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1172	0	12.9	0.0	12.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1028	0	15.9	0.0	15.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1200	0	17.2	0.0	17.2	
21		RANCHI-SIPAT	D/C	443	0	6.1	0.0	6.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	157	0	2.1	0.0	2.1	
23		BUDHIPADAR-KORBA	D/C	167	0	3.1	0.0	3.1	
						<b>ER-WR</b>	<b>57.2</b>	<b>0.0</b>	<b>57.2</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1259.8	0.0	22.7	-22.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	272.0	0.0	9.5	-9.5	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1735.8	0.0	32.6	-32.6
27	400 kV	TALCHER-I/C	D/C	0.0	930.2	0.0	15.2	-15.2	
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>64.8</b>	<b>-64.8</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1388	0.0	8.1	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	0	1156	0.0	3.3	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	162	0.0	2.5	-3	
						<b>ER-NER</b>	<b>0.0</b>	<b>13.9</b>	<b>-13.9</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.1	-12.1	
						<b>NER-NR</b>	<b>0.0</b>	<b>12.1</b>	<b>-12.1</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1360	0.0	45.7	-45.7	
34		V'CHAL B/B	D/C	250	0	0.0	5.3	-5.3	
35		APL -MHG	D/C	0	810	0.0	16.0	-16.0	
36	765 kV	GWALIOR-AGRA	D/C	0	1618	0.0	35.3	-35.3	
37		PHAGI-GWALIOR	D/C	0	1990	0.0	38.8	-38.8	
38		JABALPUR-ORAI	D/C	0	1253	0.0	19.3	-19.3	
39		GWALIOR-ORAI	S/C	520	0	11.5	0.0	11.5	
40		SATNA-ORAI	S/C	0	1785	0.0	41.1	-41.1	
41		ZERDA-KANKROLI	S/C	337	0	6.4	0.0	6.4	
42	400 kV	ZERDA -BHINMAL	S/C	304	0	4.3	0.0	4.3	
43		V'CHAL -RIHAND	S/C	960	0	22.2	0.0	22.2	
44		RAPP-SHUJALPUR	D/C	0	228	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	65	12	0.6	0.2	0.4	
46		BADOD-MORAK	S/C	17	43	0.0	0.4	-0.4	
47		MEHGAON-AURAIYA	S/C	0	50	0.0	0.5	-0.5	
48		MALANPUR-AURAIYA	S/C	0	66	0.0	1.1	-1.1	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>44.9</b>	<b>206.0</b>	<b>-161.1</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	9.5	0.0	9.5	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1270	549	0.0	11.2	-11.2	
53		WARDHA-NIZAMABAD	D/C	0	1657	0.0	16.5	-16.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	1135	0	19.5	0.0	19.5	
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>30.6</b>	<b>27.7</b>	<b>2.9</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>11.4</b>	
59		NEPAL						<b>-8.5</b>	
60		BANGLADESH						<b>-14.3</b>	