



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: 20th 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 19.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th 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

20-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47522	48908	39071	20910	2432	158843
Peak Shortage (MW)	528	144	0	0	160	832
Energy Met (MU)	1131	1177	906	423	43	3680
Hydro Gen (MU)	174	48	56	62	16	357
Wind Gen (MU)	11	79	61	-----	-----	151
Solar Gen (MU)*	14.98	20.39	55.50	0.84	0.01	92
Energy Shortage (MU)	26.3	0.0	0.0	0.0	1.1	27.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52386 00:00	52331 15:28	41015 15:30	21520 21:48	2374 18:48	162456 22:55

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	0.137	0.38	7.23	36.13	43.75	54.86	1.39

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	7410	0	164.8	75.1	-2.2	415	0.0
	Haryana	6868	50	139.0	74.1	1.4	374	14.9
	Rajasthan	10099	0	221.6	68.5	1.6	350	2.4
	Delhi	5448	0	108.8	84.3	-1.4	161	0.0
	UP	17535	390	386.4	167.5	1.2	715	0.0
	Uttarakhand	1965	0	42.9	22.1	3.2	314	0.6
	HP	1384	0	27.1	11.9	3.4	307	0.0
	J&K	2130	533	35.6	25.2	-6.9	165	8.5
WR	Chandigarh	259	0	5.2	4.6	0.6	85	0.0
	Chhattisgarh	3669	0	84.3	13.0	-0.1	150	0.0
	Gujarat	16407	0	358.6	124.7	6.3	597	0.0
	MP	8758	0	196.7	108.9	1.8	256	0.0
	Maharashtra	22387	0	496.0	144.3	1.7	638	0.0
	Goa	486	0	10.7	9.2	1.0	135	0.0
	DD	335	0	7.4	5.7	1.7	144	0.0
	DNH	758	0	17.7	16.5	1.3	90	0.0
SR	Essar steel	297	0	5.3	5.4	-0.1	144	0.0
	Andhra Pradesh	8673	0	179.8	61.8	-2.0	823	0.0
	Telangana	6983	0	149.4	51.1	-1.4	411	0.0
	Karnataka	8501	0	183.7	56.6	-4.0	394	0.0
	Kerala	3636	0	73.1	45.0	1.2	232	0.0
	Tamil Nadu	13922	0	312.0	154.8	0.5	705	0.0
ER	Pondy	389	0	8.4	8.6	-0.2	48	0.0
	Bihar	4850	0	86.9	83.1	1.3	0	0.0
	DVC	2946	0	65.6	-43.9	1.3	0	0.0
	Jharkhand	1362	0	27.0	19.3	-0.4	0	0.0
	Odisha	4595	0	85.2	32.1	-0.2	0	0.0
	West Bengal	8508	0	156.8	51.5	1.5	0	0.0
NER	Sikkim	88	0	1.2	1.7	-0.4	0	0.0
	Arunachal Pradesh	106	0	1.7	1.9	-0.2	44	0.0
	Assam	1536	110	26.8	21.1	1.5	206	1.0
	Manipur	166	2	2.1	2.2	-0.2	30	0.0
	Meghalaya	289	0	5.5	3.2	-0.2	35	0.0
	Mizoram	84	2	1.5	1.1	-0.1	6	0.0
	Nagaland	104	0	2.0	1.9	0.1	41	0.0
Tripura	220	2	3.6	3.0	-0.1	38	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.5	-7.4	-14.4
Day peak (MW)	655.9	-369.8	-659.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.1	-231.1	42.6	-42.9	2.6	3.4
Actual(MU)	236.5	-241.9	40.4	-37.5	1.3	-1.1
O/D/U/D(MU)	4.4	-10.8	-2.1	5.4	-1.3	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4923	12929	6832	2160	376	27220
State Sector	7190	15675	5830	5725	50	34470
Total	12113	28604	12662	7885	425	61689

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	626	1197	609	423	6	2861
Hydro	174	48	58	62	16	358
Nuclear	31	18	46	0	0	95
Gas, Naptha & Diesel	42	60	20	0	23	145
RES (Wind, Solar, Biomass & Others)	46	100	154	1	0	301
Total	920	1422	887	486	45	3760

Share of RES in total generation (%)	5.01	7.02	17.37	0.29	0.09	8.01
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.37	11.66	29.05	13.08	35.50	20.07

H. Diversity Factor

All India Demand Diversity Factor	1.044
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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 प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	20-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)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	0	0.0	3.7	-3.7	
2		SASARAM-FATEHPUR	S/C	388	0	5.0	0.0	5.0	
3		GAYA-BALIA	S/C	0	709	0.0	12.4	-12.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	118	0.0	3.2	-3.2	
5		PUSAULI B/B	S/C	0	288	0.0	6.7	-6.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	260	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	116	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	37	533	0.0	5.7	-5.7	
9		PATNA-BALIA	Q/C	0	855	0.0	12.1	-12.1	
10		BIHARSHARIFF-BALIA	D/C	0	506	0.0	8.5	-8.5	
11		MOTIHARI-GORAKHPUR	D/C	0	222	0.0	2.8	-2.8	
12	BIHARSHARIFF-VARANASI	D/C	391	213	2.2	0.0	2.2		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	198	0.0	4.1	-4.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		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	
						ER-NR	7.8	59.0	-51.2
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	684	0	12.2	0.0	12.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	953	0	13.8	0.0	13.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1052	0	15.4	0.0	15.4	
21		RANCHI-SIPAT	D/C	359	0	4.6	0.0	4.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	85	32	0.5	0.0	0.5	
23		BUDHIPADAR-KORBA	D/C	138	0	0.0	2.4	-2.4	
						ER-WR	46.4	2.4	44.0
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1263.8	0.0	22.5	-22.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	291.1	0.0	13.6	-13.6	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1418.5	0.0	19.7	-19.7
27	400 kV	TALCHER-I/C	D/C	152.2	957.9	0.4	16.2	-15.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	55.8	-55.8
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	115	1103	0.0	7.2	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	76	904	0.0	6.5	-7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	163	0.0	2.4	-2	
						ER-NER	0.0	16.1	-16.1
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	800	0.0	14.6	-14.6	
						NER-NR	0.0	14.6	-14.6
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1521	0.0	55.9	-55.9	
34		V'CHAL B/B	D/C	0	250	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	809	0.0	21.5	-21.5	
36	765 kV	GWALIOR-AGRA	D/C	0	1829	0.0	25.1	-25.1	
37		PHAGI-GWALIOR	D/C	0	2058	0.0	34.6	-34.6	
38		JABALPUR-ORAI	D/C	0	1127	0.0	17.4	-17.4	
39		GWALIOR-ORAI	S/C	0	1851	0.0	41.0	-41.0	
40		SATNA-ORAI	S/C	0	908	0.0	8.8	-8.8	
41	400 kV	ZERDA-KANKROLI	S/C	347	0	5.4	0.0	5.4	
42		ZERDA -BHINMAL	S/C	351	0	3.1	0.0	3.1	
43		V'CHAL -RIHAND	S/C	0	0	22.7	0.0	22.7	
44		RAPP-SHUJALPUR	D/C	0	357	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	86	17	0.7	0.1	0.6	
46		BADOD-MORAK	S/C	38	60	0.1	0.5	-0.4	
47		MEHGAON-AURAIYA	S/C	9	39	0.0	0.2	-0.2	
48		MALANPUR-AURAIYA	S/C	0	52	0.0	0.8	-0.8	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	32.0	214.0	-182.0
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.1	-23.1	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	931	633	4.9	0.0	4.9	
53		WARDHA-NIZAMABAD	D/C	0	1325	0.0	13.2	-13.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	897	0	16.5	0.0	16.5	
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	
						WR-SR	22.9	36.3	-13.4
TRANSNATIONAL EXCHANGE									
58		BHUTAN						11.5	
59		NEPAL						-7.4	
60		BANGLADESH						-14.4	