



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: 18th 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 17.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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

18-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47604	48569	39640	19808	2379	158000
Peak Shortage (MW)	576	107	0	260	176	1120
Energy Met (MU)	1131	1179	918	392	43	3663
Hydro Gen (MU)	191	36	47	56	15	345
Wind Gen (MU)	15	70	29	-----	-----	114
Solar Gen (MU)*	14.59	19.63	54.94	0.86	0.01	90
Energy Shortage (MU)	15.3	0.0	0.0	0.8	1.3	17.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51609 23:46	51825 15:05	41746 12:41	19882 21:05	2499 18:52	160174 22:45

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	0.061	0.00	0.42	19.64	20.06	75.43	4.51

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	7151	0	163.0	77.9	-0.5	170	0.0
	Haryana	6815	163	145.3	79.3	4.4	407	1.0
	Rajasthan	10157	28	222.9	68.6	1.9	421	1.2
	Delhi	5342	0	108.5	82.2	-1.2	280	0.0
	UP	17654	0	378.6	164.5	2.8	577	0.0
	Uttarakhand	2045	0	39.1	18.4	-0.8	156	3.2
	HP	1359	0	27.1	11.5	1.3	298	0.0
	J&K	2006	501	41.7	28.4	-3.9	261	9.8
WR	Chandigarh	259	0	5.3	5.0	0.3	41	0.0
	Chhattisgarh	3622	0	83.4	18.4	-1.9	134	0.0
	Gujarat	15980	0	358.5	144.0	4.7	453	0.0
	MP	8995	0	195.9	105.9	-0.7	240	0.0
	Maharashtra	22662	0	503.8	160.7	2.2	927	0.0
	Goa	475	0	10.9	10.3	0.0	44	0.0
	DD	310	0	6.1	5.2	0.8	85	0.0
	DNH	740	0	16.7	16.2	0.5	103	0.0
SR	Essar steel	99	0	3.8	3.7	0.0	149	0.0
	Andhra Pradesh	8534	0	179.5	59.7	-0.2	498	0.0
	Telangana	6896	0	142.9	45.4	-0.9	495	0.0
	Karnataka	8496	0	183.5	65.5	-2.8	516	0.0
	Kerala	3426	0	72.0	47.4	0.9	173	0.0
	Tamil Nadu	14881	0	331.6	179.2	0.6	371	0.0
	Pondy	381	0	8.2	8.4	-0.2	40	0.0
	ER	Bihar	4758	0	85.4	83.4	-0.7	0
DVC		2755	0	62.0	-47.3	1.7	0	0.8
Jharkhand		1265	0	25.2	18.8	1.8	0	0.0
Odisha		4094	0	76.4	20.7	1.7	0	0.0
West Bengal		7998	0	141.4	36.2	3.8	0	0.0
Sikkim		94	0	1.4	1.3	0.1	0	0.0
NER	Arunachal Pradesh	121	4	2.4	1.9	0.5	44	0.0
	Assam	1575	58	26.0	19.9	1.4	206	1.1
	Manipur	159	7	2.3	2.1	0.2	30	0.0
	Meghalaya	291	4	4.7	2.8	-0.2	35	0.0
	Mizoram	79	4	1.7	1.1	0.2	6	0.0
	Nagaland	115	3	2.1	1.8	0.2	41	0.0
	Tripura	230	2	3.8	2.7	0.1	38	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.0	-7.9	-11.4
Day peak (MW)	447.2	-392.6	-666.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.6	-206.0	52.6	-71.8	1.9	4.3
Actual(MU)	228.7	-213.2	49.3	-63.1	2.6	4.3
O/D/U/D(MU)	1.1	-7.2	-3.3	8.7	0.7	0.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4792	12245	6622	1660	718	26037
State Sector	7965	14849	4210	5685	50	32759
Total	12757	27094	10832	7345	767	58795

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	608	1205	649	421	5	2888
Hydro	191	36	48	56	15	347
Nuclear	30	18	46	0	0	94
Gas, Naptha & Diesel	36	65	17	0	22	139
RES (Wind, Solar, Biomass & Others)	53	90	124	1	0	268
Total	918	1413	884	478	43	3737

Share of RES in total generation (%)	5.81	6.34	13.99	0.31	0.08	7.18
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.87	10.17	24.65	12.03	36.08	18.98

H. Diversity Factor

All India Demand Diversity Factor	1.046
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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 :	18-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	6.5	-6.5	
2		SASARAM-FATEHPUR	S/C	238	92	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	680	0.0	14.0	-14.0	
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	155	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	6	627	0.0	9.0	-9.0	
9		PATNA-BALIA	Q/C	3	1007	0.0	15.8	-15.8	
10		BIHARSHARIFF-BALIA	D/C	0	577	0.0	10.6	-10.6	
11		MOTIHARI-GORAKHPUR	D/C	0	203	0.0	3.2	-3.2	
12	BIHARSHARIFF-VARANASI	D/C	342	91	0.0	1.0	-1.0		
13	220 kV	PUSAULI-SAHUPURI	S/C	2	187	0.0	2.2	-2.2	
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	
ER-NR						1.5	65.9	-64.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	870	276	4.0	0.0	4.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	653	0	7.8	0.0	7.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	783	0	9.6	0.0	9.6	
21		RANCHI-SIPAT	D/C	314	0	3.9	0.0	3.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	74	75	0.2	0.0	0.2	
23		BUDHIPADAR-KORBA	D/C	117	0	1.9	0.0	1.9	
ER-WR						27.3	0.0	27.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1578.8	0.0	26.1	-26.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	319.8	0.0	12.4	-12.4	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1871.1	0.0	30.1	-30.1
27	400 kV	TALCHER-I/C	D/C	229.4	628.4	0.5	2.4	-1.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	68.6	-68.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	53	630	0.0	0.9	-1	
30		ALIPURDUAR-BONGAIGAON	D/C	23	527	0.5	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	151	0.0	1.0	-1	
ER-NER						0.5	1.9	-1.4	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
NER-NR						0.0	0.0	0.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1425	0.0	49.0	-49.0	
34		V'CHAL B/B	D/C	0	250	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	1211	0.0	21.2	-21.2	
36	765 kV	GWALIOR-AGRA	D/C	0	1162	0.0	34.7	-34.7	
37		PHAGI-GWALIOR	D/C	0	1856	0.0	35.0	-35.0	
38		JABALPUR-ORAI	D/C	0	914	0.0	17.9	-17.9	
39		GWALIOR-ORAI	S/C	456	0	8.8	0.0	8.8	
40		SATNA-ORAI	S/C	0	1802	0.0	41.5	-41.5	
41	400 kV	ZERDA-KANKROLI	S/C	391	0	7.2	0.0	7.2	
42		ZERDA -BHINMAL	S/C	366	0	5.1	0.0	5.1	
43		V'CHAL -RIHAND	S/C	969	0	22.6	0.0	22.6	
44		RAPP-SHUJALPUR	D/C	0	353	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	61	21	0.6	0.0	0.6	
46		BADOD-MORAK	S/C	11	49	0.0	0.4	-0.4	
47		MEHGAON-AURAIYA	S/C	0	29	0.0	0.3	-0.3	
48		MALANPUR-AURAIYA	S/C	0	47	0.0	0.9	-0.9	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						44.4	209.4	-165.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.6	-23.6	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1045	1027	1.2	0.0	1.2	
53		WARDHA-NIZAMABAD	D/C	0	1343	0.0	19.9	-19.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	1121	0	16.9	0.0	16.9	
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						19.7	43.5	-23.9	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						8.0	
59		NEPAL						-7.9	
60		BANGLADESH						-11.4	