



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: 19th 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 18.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th 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

19-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	50167	47580	40434	18647	2434	159262
Peak Shortage (MW)	550	173	0	213	147	1083
Energy Met (MU)	1148	1172	916	407	42	3685
Hydro Gen (MU)	199	28	56	63	16	362
Wind Gen (MU)	8	103	41	-----	-----	153
Solar Gen (MU)*	14.46	20.10	53.92	0.67	0.01	89
Energy Shortage (MU)	17.2	0.0	0.0	0.6	1.3	19.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53033 23:47	51018 15:44	41849 14:48	19004 00:01	2405 19:28	161790 21:26

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	0.134	0.56	7.97	32.48	41.01	55.38	3.61

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	7533	0	169.0	81.2	-1.5	93	0.0
	Haryana	7298	0	156.0	90.9	2.7	329	3.9
	Rajasthan	10308	0	220.0	71.7	0.7	366	0.6
	Delhi	5537	0	110.4	84.3	-1.8	117	0.0
	UP	17860	0	382.1	166.9	1.3	840	0.0
	Uttarakhand	1926	75	38.8	18.6	0.2	164	3.5
	HP	1374	0	27.2	10.0	2.5	508	0.0
	J&K	1919	480	39.3	23.8	-2.4	188	9.2
Chandigarh	274	0	5.3	5.4	-0.1	40	0.0	
WR	Chhattisgarh	3553	0	82.1	13.7	-2.3	86	0.0
	Gujarat	16297	0	359.8	136.3	5.1	460	0.0
	MP	8865	0	195.0	102.2	-1.7	276	0.0
	Maharashtra	22367	0	494.3	154.6	1.4	326	0.0
	Goa	475	0	10.9	10.2	0.1	55	0.0
	DD	340	0	7.5	6.3	1.2	129	0.0
	DNH	735	0	16.4	16.0	0.5	72	0.0
	Essar steel	340	0	6.1	6.8	-0.7	144	0.0
SR	Andhra Pradesh	8609	0	178.0	61.1	1.9	499	0.0
	Telangana	6972	0	146.3	40.8	-0.6	325	0.0
	Karnataka	8599	0	182.6	58.7	-2.0	380	0.0
	Kerala	3636	0	72.2	46.4	0.9	220	0.0
	Tamil Nadu	14970	0	328.0	168.1	2.7	1058	0.0
	Pondy	382	0	8.4	8.3	0.1	47	0.0
ER	Bihar	4619	0	86.7	81.3	2.9	270	0.6
	DVC	2863	0	64.1	-46.7	2.3	570	0.0
	Jharkhand	1323	0	25.3	18.2	2.0	180	0.0
	Odisha	3675	0	74.8	23.6	-2.6	210	0.0
	West Bengal	7375	0	154.5	44.9	4.1	330	0.0
	Sikkim	94	0	1.3	1.6	-0.3	6	0.0
NER	Arunachal Pradesh	119	6	2.4	1.8	0.6	44	0.0
	Assam	1554	47	26.2	20.3	1.2	206	1.0
	Manipur	154	7	2.1	2.1	0.0	30	0.0
	Meghalaya	272	12	4.9	2.5	0.1	35	0.0
	Mizoram	76	5	1.4	1.0	0.0	6	0.0
	Nagaland	115	5	2.1	1.8	0.3	41	0.0
	Tripura	212	20	3.0	2.3	0.6	38	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.4	-9.2	-14.7
Day peak (MW)	679.3	-421.5	-645.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	241.2	-218.4	44.0	-70.3	3.1	-0.5
Actual(MU)	238.7	-225.2	40.8	-60.6	4.5	-1.8
O/D/U/D(MU)	-2.5	-6.8	-3.2	9.7	1.4	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4681	13211	6622	1660	820	26993
State Sector	7715	15711	4810	5725	50	34011
Total	12396	28922	11432	7385	869	61004

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	615	1188	634	430	5	2872
Hydro	199	28	58	63	16	364
Nuclear	26	18	46	0	0	90
Gas, Naptha & Diesel	41	58	18	0	19	136
RES (Wind, Solar, Biomass & Others)	44	123	134	1	0	302
Total	925	1416	890	494	40	3764

Share of RES in total generation (%)	4.74	8.70	15.08	0.23	0.07	8.03
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.05	11.97	26.74	12.93	40.08	20.08

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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 :	19-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	5.0	-5.0	
2		SASARAM-FATEHPUR	S/C	322	30	3.3	0.0	3.3	
3		GAYA-BALIA	S/C	0	699	0.0	13.7	-13.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.4	-0.4	
5		PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	153	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	37	462	0.0	5.8	-5.8	
9		PATNA-BALIA	Q/C	0	845	0.0	15.1	-15.1	
10		BIHARSHARIFF-BALIA	D/C	0	536	0.0	10.0	-10.0	
11		MOTIHARI-GORAKHPUR	D/C	0	168	0.0	2.8	-2.8	
12	BIHARSHARIFF-VARANASI	D/C	308	252	0.9	0.0	0.9		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	4.0	-4.0	
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	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						4.9	60.4	-55.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	665	105	6.9	0.0	6.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	683	0	13.0	0.0	13.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	716	0	12.2	0.0	12.2	
21		RANCHI-SIPAT	D/C	283	0	6.4	0.0	6.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	65	59	0.2	0.0	0.2	
23		BUDHIPADAR-KORBA	D/C	126	0	0.0	2.2	-2.2	
ER-WR						38.7	2.2	36.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1378.8	0.0	24.3	-24.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	292.5	0.0	13.7	-13.7	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1273.0	0.0	26.5	-26.5
27	400 kV	TALCHER-I/C	D/C	54.1	1230.6	0.0	19.6	-19.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	64.5	-64.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	28	1175	0.0	8.1	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	11	939	0.0	8.3	-8	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	184	0.0	2.8	-3	
ER-NER						0.0	19.2	-19.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	801	0.0	15.3	-15.3	
NER-NR						0.0	15.3	-15.3	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1414	0.0	56.3	-56.3	
34		V'CHAL B/B	D/C	0	250	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	1263	0.0	28.4	-28.4	
36	765 kV	GWALIOR-AGRA	D/C	0	1645	0.0	33.5	-33.5	
37		PHAGI-GWALIOR	D/C	0	1810	0.0	33.5	-33.5	
38		JABALPUR-ORAI	D/C	0	919	0.0	16.4	-16.4	
39		GWALIOR-ORAI	S/C	404	0	8.5	0.0	8.5	
40	400 kV	SATNA-ORAI	S/C	0	1838	0.0	41.7	-41.7	
41		ZERDA-KANKROLI	S/C	347	0	6.6	0.0	6.6	
42		ZERDA -BHINMAL	S/C	320	0	4.0	0.0	4.0	
43		V'CHAL -RIHAND	S/C	0	488	22.5	0.0	22.5	
44	RAPP-SHUJALPUR	D/C	0	326	0	2	-2		
45	220 kV	BADOD-KOTA	S/C	51	27	0.5	0.1	0.4	
46		BADOD-MORAK	S/C	5	59	0.0	0.6	-0.6	
47		MEHGAON-AURAIYA	S/C	0	46	0.0	0.5	-0.5	
48		MALANPUR-AURAIYA	S/C	0	64	0.0	1.0	-1.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.0	220.2	-178.2	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	21.2	-21.2	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	937	800	1.5	0.0	1.5	
53		WARDHA-NIZAMABAD	D/C	0	1467	0.0	15.6	-15.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1030	0	18.3	0.0	18.3	
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						21.3	36.8	-15.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						11.4	
59		NEPAL						-9.2	
60		BANGLADESH						-14.7	