



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: 17th 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 16.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th 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

17-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47944	47815	40669	18115	2330	156872
Peak Shortage (MW)	810	142	0	150	157	1259
Energy Met (MU)	1071	1168	907	389	40	3574
Hydro Gen (MU)	182	36	54	52	14	338
Wind Gen (MU)	7	72	18	-----	-----	97
Solar Gen (MU)*	13.10	19.13	57.04	1.07	0.01	90
Energy Shortage (MU)	20.0	0.0	0.0	0.5	1.5	21.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50739 23:19	51641 14:25	41354 20:04	18865 00:02	2540 18:45	158961 19:42

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	0.121	0.34	5.66	32.81	38.81	57.12	4.07

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	7344	0	157.8	76.5	-1.3	255	0.0
	Haryana	6571	307	126.0	67.0	2.0	598	6.4
	Rajasthan	9957	234	218.1	73.6	1.9	388	2.6
	Delhi	5328	0	103.2	82.3	-3.7	164	0.0
	UP	16924	0	349.1	156.0	1.4	581	0.0
	Uttarakhand	2025	75	41.1	21.5	0.7	273	0.6
	HP	1346	0	26.5	11.4	2.0	180	0.0
	J&K	2138	534	44.1	27.8	-0.3	331	10.4
WR	Chandigarh	269	0	5.2	4.6	0.6	85	0.0
	Chhattisgarh	3583	0	80.7	19.9	-1.3	222	0.0
	Gujarat	15812	0	351.8	142.4	6.5	504	0.0
	MP	8705	0	189.0	101.0	-2.5	299	0.0
	Maharashtra	22946	0	506.6	161.2	-1.3	445	0.0
	Goa	544	0	10.9	11.2	-0.8	23	0.0
	DD	339	0	7.6	6.8	0.8	93	0.0
	DNH	758	0	17.8	17.4	0.4	49	0.0
SR	Essar steel	202	0	3.8	3.7	0.1	220	0.0
	Andhra Pradesh	8236	0	172.7	57.9	0.1	474	0.0
	Telangana	6889	0	145.7	51.4	0.3	491	0.0
	Karnataka	8509	0	177.3	65.8	-2.9	364	0.0
	Kerala	3531	0	71.8	46.7	1.0	210	0.0
	Tamil Nadu	14711	0	331.0	180.2	1.1	480	0.0
ER	Pondy	373	0	8.3	8.3	0.0	48	0.0
	Bihar	4730	0	83.2	81.6	-1.1	150	0.0
	DVC	2939	0	67.5	-49.7	2.4	200	0.5
	Jharkhand	1227	0	24.6	18.7	1.3	85	0.0
	Odisha	3800	0	73.9	22.8	-0.6	225	0.0
	West Bengal	7218	0	138.3	32.3	1.5	225	0.0
NER	Sikkim	74	0	1.0	1.0	0.0	18	0.0
	Arunachal Pradesh	112	3	2.3	1.9	0.4	16	0.0
	Assam	1472	92	23.6	18.1	2.3	154	1.2
	Manipur	167	3	2.4	2.1	0.2	22	0.0
	Meghalaya	265	0	4.4	2.9	-0.1	58	0.0
	Mizoram	79	2	1.6	0.9	0.3	5	0.0
NER	Nagaland	117	3	2.0	1.7	0.2	29	0.0
	Tripura	223	4	3.3	3.0	-0.4	58	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.6	-9.1	-14.7
Day peak (MW)	336.1	-272.8	-645.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.5	-186.1	55.8	-80.5	-1.7	1.0
Actual(MU)	214.3	-196.6	56.7	-71.8	-1.7	0.9
O/D/U/D(MU)	0.8	-10.5	0.9	8.7	0.0	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3968	12960	6122	2160	376	25586
State Sector	8675	15383	5610	5985	50	35703
Total	12643	28343	11732	8145	425	61288

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	588	1184	634	430	5	2841
Hydro	182	36	55	52	14	340
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	37	56	17	0	23	133
RES (Wind, Solar, Biomass & Others)	44	91	112	2	0	249
Total	878	1385	864	484	43	3653

Share of RES in total generation (%)	5.05	6.58	12.91	0.34	0.08	6.81
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.88	10.49	24.62	11.07	32.88	18.59

H. Diversity Factor

All India Demand Diversity Factor	1.039
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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(परेषण)/(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 :	17-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	4.6	-4.6	
2		SASARAM-FATEHPUR	S/C	191	175	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	558	0.0	9.9	-9.9	
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	140	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	109	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	654	0.0	10.0	-10.0	
9		PATNA-BALIA	Q/C	0	1025	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	449	0.0	7.8	-7.8	
11		MOTIHARI-GORAKHPUR	D/C	0	242	0.0	3.7	-3.7	
12	BIHARSHARIFF-VARANASI	D/C	426	49	0.0	1.2	-1.2		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	210	0.0	3.8	-3.8	
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	1	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.9	63.2	-62.3
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	639	377	8.7	0.0	8.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	456	187	3.8	0.0	3.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	710	0	9.6	0.0	9.6	
21		RANCHI-SIPAT	D/C	227	21	3.4	0.0	3.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	66	49	0.3	0.0	0.3	
23		BUDHIPADAR-KORBA	D/C	103	6	1.0	0.0	1.0	
						ER-WR	26.8	0.0	26.8
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1616.8	0.0	25.9	-25.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	268.0	0.0	9.8	-9.8	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	21.8	1921.1	0.0	40.4	-40.4
27	400 kV	TALCHER-I/C	D/C	578.6	149.6	3.1	1.3	1.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	76.2	-76.2
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	488	152	0.8	0.0	1	
30		ALIPURDUAR-BONGAIGAON	D/C	362	155	2.3	0.0	2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	16	117	0.0	0.8	-1	
						ER-NER	3.1	0.8	2.4
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	13	1444	0.0	53.5	-53.5	
34		V'CHAL B/B	D/C	0	250	0.0	4.3	-4.3	
35		APL -MHG	D/C	0	1513	0.0	18.2	-18.2	
36	765 kV	GWALIOR-AGRA	D/C	0	1424	0.0	29.6	-29.6	
37		PHAGI-GWALIOR	D/C	0	1790	0.0	34.4	-34.4	
38		JABALPUR-ORAI	D/C	0	779	0.0	13.3	-13.3	
39		GWALIOR-ORAI	S/C	437	0	9.0	0.0	9.0	
40		SATNA-ORAI	S/C	0	1789	0.0	40.6	-40.6	
41		ZERDA-KANKROLI	S/C	459	0	7.2	0.0	7.2	
42	400 kV	ZERDA -BHINMAL	S/C	424	0	4.5	0.0	4.5	
43		V'CHAL -RIHAND	S/C	962	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	391	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	60	61	0.7	0.1	0.6	
46		BADOD-MORAK	S/C	18	72	0.1	0.4	-0.3	
47		MEHGAON-AURAIYA	S/C	39	13	0.0	0.4	-0.3	
48		MALANPUR-AURAIYA	S/C	9	31	0.0	0.3	-0.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	44.0	197.5	-153.4
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	24.0	-24.0	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	958	1060	1.1	0.0	1.1	
53		WARDHA-NIZAMABAD	D/C	0	1816	0.0	18.4	-18.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	1250	0	17.5	0.0	17.5	
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	20.2	42.4	-22.2
TRANSNATIONAL EXCHANGE									
58		BHUTAN						6.6	
59		NEPAL						-9.1	
60		BANGLADESH						-14.7	