



National Load Despatch Centre

राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED

पाँवर 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: 15th 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 14.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	44665	46940	37620	18127	2361	149713
Peak Shortage (MW)	931	34	0	0	95	1060
Energy Met (MU)	949	1163	875	344	39	3370
Hydro Gen (MU)	193	36	44	46	15	334
Wind Gen (MU)	10	79	41	-----	-----	129
Solar Gen (MU)*	14.30	20.25	53.25	0.73	0.02	89
Energy Shortage (MU)	13.8	0.0	0.0	0.0	1.1	14.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47665 22:38	53035 15:23	40375 13:00	19019 20:49	2410 18:49	153680 22:48

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	0.045	0.00	0.20	7.48	7.67	71.60	20.73

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	6625	0	150.1	79.5	-0.7	291	0.0
	Haryana	6724	0	122.8	75.0	3.5	333	2.0
	Rajasthan	10331	0	220.1	84.0	5.4	707	0.7
	Delhi	4896	0	98.0	80.0	-1.8	138	0.0
	UP	15123	0	255.7	125.4	-7.5	1064	0.0
	Uttarakhand	1844	0	31.3	16.6	-2.3	318	0.0
	HP	1111	0	23.3	10.1	0.7	264	0.8
	J&K	2183	546	43.3	21.3	0.2	249	10.2
WR	Chandigarh	228	0	4.6	4.9	-0.3	45	0.0
	Chhattisgarh	3486	0	73.3	11.7	-2.6	169	0.0
	Gujarat	16002	0	352.7	136.7	4.3	408	0.0
	MP	8849	0	187.5	105.0	-1.1	410	0.0
	Maharashtra	23415	0	509.4	151.9	1.1	553	0.0
	Goa	544	0	10.9	10.6	-0.3	85	0.0
	DD	334	0	7.4	6.4	0.9	122	0.0
	DNH	756	0	17.5	17.3	0.2	42	0.0
SR	Essar steel	253	0	4.6	4.0	0.7	229	0.0
	Andhra Pradesh	8044	0	164.3	47.0	1.8	531	0.0
	Telangana	6744	0	136.9	41.8	-0.1	452	0.0
	Karnataka	7892	0	169.3	59.9	-2.0	395	0.0
	Kerala	3687	0	70.0	51.3	1.1	149	0.0
	Tamil Nadu	14625	0	326.3	167.0	3.7	571	0.0
	Pondy	387	0	8.3	8.6	-0.2	25	0.0
	ER	Bihar	4146	0	54.0	66.9	-13.1	130
DVC		2918	0	67.2	-46.9	3.9	300	0.0
Jharkhand		1156	0	21.2	17.6	-0.8	150	0.0
Odisha		3914	0	71.8	35.6	0.2	400	0.0
West Bengal		7218	0	128.2	40.5	-2.7	300	0.0
Sikkim		87	0	1.1	1.3	-0.2	20	0.0
NER	Arunachal Pradesh	114	4	2.1	2.1	0.0	16	0.0
	Assam	1479	57	22.6	19.1	0.9	154	0.8
	Manipur	163	4	2.1	2.0	0.2	22	0.0
	Meghalaya	295	0	4.9	1.6	0.1	58	0.0
	Mizoram	80	3	1.5	1.1	0.1	5	0.0
	Nagaland	131	3	1.7	1.7	-0.1	29	0.0
	Tripura	199	9	3.7	3.0	-0.2	58	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.9	-3.0	-14.6
Day peak (MW)	478.1	-360.1	-638.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	200.1	-209.5	64.8	-49.8	-4.9	0.7
Actual(MU)	195.3	-198.9	69.1	-61.3	-4.1	0.1
O/D/U/D(MU)	-4.9	10.6	4.4	-11.5	0.8	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4189	12481	6722	1500	486	25378
State Sector	10670	14473	4810	5795	50	35798
Total	14859	26954	11532	7295	535	61175

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	473	1167	584	384	9	2618
Hydro	193	36	46	46	15	336
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	24	59	19	0	23	124
RES (Wind, Solar, Biomass & Others)	49	99	131	1	0	280
Total	766	1379	826	431	47	3448

Share of RES in total generation (%)	6.37	7.20	15.84	0.22	0.11	8.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.13	11.12	26.96	10.82	31.41	20.48

H. Diversity Factor

All India Demand Diversity Factor	1.057
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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 (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड) / अध्यक्ष एवं प्रबंध निदेशक (पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 15-May-18

Import=(+ve)
/Export =(-ve)
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	9	0	0.0	3.5	-3.5
2		SASARAM-FATEHPUR	S/C	134	195	1.6	0.0	1.6
3		GAYA-BALIA	S/C	0	509	0.0	7.2	-7.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	150	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	117	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	107	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	107	671	0.0	10.2	-10.2
9		PATNA-BALIA	Q/C	0	1080	0.0	14.1	-14.1
10		BIHARSHARIFF-BALIA	D/C	0	417	0.0	6.5	-6.5
11		MOTIHARI-GORAKHPUR	D/C	280	296	0.0	3.8	-3.8
12		BIHARSHARIFF-VARANASI	D/C	477	0	0.0	1.7	-1.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	161	0.0	3.2	-3.2
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	10	0	0.3	0.0	0.3
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						1.9	53.5	-51.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1007	0	11.2	0.0	11.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	451	498	0.0	1.0	-1.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	973	0	13.5	0.0	13.5
21		RANCHI-SIPAT	D/C	289	38	2.9	0.0	2.9
22	220 kV	BUDHIPADAR-RAIGARH	S/C	92	67	0.1	0.0	0.1
23		BUDHIPADAR-KORBA	D/C	141	0	2.0	0.0	2.0
ER-WR						29.7	1.0	28.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1421.8	0.0	24.6	-24.6
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	192.9	0.0	8.7	-8.7
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2117.4	0.0	41.1	-41.1
27	400 kV	TALCHER-I/C	D/C	406.4	255.8	5.3	1.5	3.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	74.4	-74.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	339	295	1.8	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	246	267	3.5	0.0	3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	111	0.0	1.0	-1
ER-NER						5.3	1.0	4.3
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	1610	0.0	46.1	-46.1
34		V'CHAL B/B	D/C	0	250	0.0	3.5	-3.5
35		APL -MHG	D/C	0	1010	0.0	19.7	-19.7
36	765 kV	GWALIOR-AGRA	D/C	0	1431	0.0	24.9	-24.9
37		PHAGI-GWALIOR	D/C	0	2076	0.0	36.1	-36.1
38		JABALPUR-ORAI	D/C	0	864	0.0	11.5	-11.5
39		GWALIOR-ORAI	S/C	479	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	1811	0	0.0	38.2	-38.2
41		ZERDA-KANKROLI	S/C	413	0	7.1	0.0	7.1
42	400 kV	ZERDA -BHINMAL	S/C	371	0	4.8	0.0	4.8
43		V'CHAL -RIHAND	S/C	966	0	19.5	0.0	19.5
44		RAPP-SHUJALPUR	D/C	0	420	0	3	-3
45	220 kV	BADOD-KOTA	S/C	72	36	0.8	0.1	0.7
46		BADOD-MORAK	S/C	23	67	0.1	0.4	-0.3
47		MEHGAON-AURAIYA	S/C	30	46	0.3	0.1	0.2
48		MALANPUR-AURAIYA	S/C	26	46	0.1	0.4	-0.3
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.7	183.5	-140.8
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	22.2	-22.2
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1100	841	0.9	0.0	0.9
53		WARDHA-NIZAMABAD	D/C	0	1464	0.0	18.7	-18.7
54	400 kV	KOLHAPUR-KUDGI	D/C	892	0	13.3	0.0	13.3
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	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						15.7	40.9	-25.2
TRANSNATIONAL EXCHANGE								
58		BHUTAN						5.9
59		NEPAL						-3.0
60		BANGLADESH						-14.6