



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: 14th 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 13.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	32182	45340	34628	17156	2208	131514
Peak Shortage (MW)	476	22	0	0	118	616
Energy Met (MU)	992	1132	832	403	37	3397
Hydro Gen (MU)	179	31	28	43	15	296
Wind Gen (MU)	12	72	34	-----	-----	119
Solar Gen (MU)*	14.93	20.49	56.71	0.84	0.01	93
Energy Shortage (MU)	9.5	0.0	0.0	0.0	0.9	10.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48732 00:14	49515 15:06	36823 22:27	20154 00:00	2267 19:46	154458 00:00

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	0.040	0.00	0.03	7.50	7.53	77.60	14.86

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	6117	0	130.9	64.5	-1.2	175	0.0
	Haryana	6749	13	122.6	76.9	-4.9	510	0.9
	Rajasthan	10175	0	217.5	77.1	3.1	487	0.0
	Delhi	5338	0	100.3	81.0	-2.4	152	0.1
	UP	17160	10	327.6	125.7	2.1	327	0.0
	Uttarakhand	1759	0	33.4	18.0	-3.6	43	0.0
	HP	1152	0	21.0	7.4	-0.2	129	0.3
	J&K	2135	534	34.6	21.5	-5.7	100	8.2
WR	Chandigarh	207	0	4.4	4.4	0.0	18	0.0
	Chhattisgarh	3486	0	82.6	15.6	-0.2	83	0.0
	Gujarat	14975	0	338.8	140.9	-0.5	609	0.0
	MP	8497	0	186.0	98.7	-2.4	146	0.0
	Maharashtra	21832	0	484.7	145.8	6.1	765	0.0
	Goa	477	0	10.0	9.4	0.1	44	0.0
	DD	303	0	7.0	6.0	1.0	51	0.0
	DNH	729	0	17.3	17.1	0.2	34	0.0
SR	Essar steel	270	0	5.4	5.4	0.0	226	0.0
	Andhra Pradesh	8095	0	164.0	50.0	0.8	495	0.0
	Telangana	6431	0	136.1	40.5	-1.4	331	0.0
	Karnataka	7161	0	153.3	54.6	-1.9	580	0.0
	Kerala	2802	0	62.2	53.2	0.5	159	0.0
	Tamil Nadu	13209	0	309.1	148.0	3.8	578	0.0
	Pondy	355	0	7.7	8.1	-0.3	44	0.0
	Bihar	4691	0	88.1	88.9	-1.4	250	0.0
ER	DVC	2959	0	68.2	-40.8	0.5	170	0.0
	Jharkhand	1205	0	23.2	18.0	0.7	128	0.0
	Odisha	4128	0	81.8	40.5	2.8	400	0.0
	West Bengal	7639	0	140.4	31.6	2.8	440	0.0
	Sikkim	79	0	1.2	1.0	0.2	38	0.0
NER	Arunachal Pradesh	95	2	1.9	2.1	-0.2	16	0.0
	Assam	1422	108	22.0	17.9	1.0	154	0.7
	Manipur	161	4	1.9	2.1	-0.2	22	0.0
	Meghalaya	280	5	4.7	1.3	-0.1	58	0.0
	Mizoram	73	3	1.4	1.1	0.0	5	0.0
	Nagaland	109	5	1.6	1.9	-0.3	29	0.0
Tripura	179	7	3.6	2.9	0.2	58	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.7	-9.5	-14.9
Day peak (MW)	299.1	-494.5	-655.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	182.1	-184.8	51.8	-45.1	-4.7	-0.8
Actual(MU)	185.8	-181.3	55.9	-32.0	-6.2	22.2
O/D/U/D(MU)	3.7	3.5	4.1	13.1	-1.5	22.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4399	13901	6432	1500	140	26371
State Sector	11470	15008	5610	5585	50	37723
Total	15869	28909	12042	7085	189	64094

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	538	1134	586	415	9	2682
Hydro	179	31	29	43	15	298
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	33	58	17	0	23	132
RES (Wind, Solar, Biomass & Others)	54	92	128	1	0	276
Total	832	1334	806	459	47	3478

Share of RES in total generation (%)	6.54	6.93	15.86	0.31	0.09	7.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.28	10.62	25.24	9.59	31.88	19.10

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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 :	14-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	86	240	0.0	5.3	-5.3	
2		SASARAM-FATEHPUR	S/C	389	96	3.2	0.0	3.2	
3		GAYA-BALIA	S/C	0	469	0.0	9.3	-9.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	147	0.0	3.5	-3.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	25	107	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	202	558	0.0	4.2	-4.2	
9		PATNA-BALIA	Q/C	0	992	0.0	18.4	-18.4	
10		BIHARSHARIFF-BALIA	D/C	10	427	0.0	6.4	-6.4	
11		MOTIHARI-GORAKHPUR	D/C	2	233	0.0	3.4	-3.4	
12	BIHARSHARIFF-VARANASI	D/C	344	29	1.1	0.0	1.1		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	189	0.0	3.7	-3.7	
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	2	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	4.8	54.2	-49.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1111	66	10.7	0.0	10.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	578	265	6.9	0.0	6.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	937	0	14.4	0.0	14.4	
21		RANCHI-SIPAT	D/C	273	0	4.6	0.0	4.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	60	89	0.0	0.3	-0.3	
23		BUDHIPADAR-KORBA	D/C	136	0	2.0	0.0	2.0	
						ER-WR	38.6	0.3	38.3
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1324.8	0.0	22.1	-22.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	192.9	0.0	8.8	-8.8	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1890.8	0.0	40.1	-40.1
27	400 kV	TALCHER-I/C	D/C	605.0	207.2	7.1	1.2	5.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	71.0	-71.0
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	466	283	2.5	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	339	261	4.6	0.0	5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	12	98	0.0	0.6	-1	
						ER-NER	7.1	0.6	6.5
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	2133	0.0	51.5	-51.5	
34		V'CHAL B/B	D/C	100	250	0.0	2.6	-2.6	
35		APL -MHG	D/C	0	910	0.0	21.8	-21.8	
36	765 kV	GWALIOR-AGRA	D/C	0	1346	0.0	24.4	-24.4	
37		PHAGI-GWALIOR	D/C	0	1522	0.0	26.9	-26.9	
38		JABALPUR-ORAI	D/C	0	853	0.0	10.4	-10.4	
39		GWALIOR-ORAI	S/C	507	0	7.9	0.0	7.9	
40		SATNA-ORAI	S/C	1670	0	0.0	35.5	-35.5	
41		ZERDA-KANKROLI	S/C	468	0	8.8	0.0	8.8	
42	400 kV	ZERDA -BHINMAL	S/C	402	0	6.6	0.0	6.6	
43		V'CHAL -RIHAND	S/C	961	0	20.4	0.0	20.4	
44		RAPP-SHUJALPUR	D/C	0	286	0	0	0	
45	220 kV	BADOD-KOTA	S/C	83	9	0.7	0.0	0.7	
46		BADOD-MORAK	S/C	36	42	0.1	0.4	-0.3	
47		MEHGAON-AURAIYA	S/C	44	14	0.2	0.1	0.0	
48		MALANPUR-AURAIYA	S/C	21	37	0.0	0.5	-0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	44.8	174.5	-129.7
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	19.4	-19.4	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1067	561	7.4	0.0	7.4	
53		WARDHA-NIZAMABAD	D/C	0	1768	0.0	17.0	-17.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	862	0	13.8	0.0	13.8	
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	22.7	36.4	-13.7
TRANSNATIONAL EXCHANGE									
58		BHUTAN						5.7	
59		NEPAL						-9.5	
60		BANGLADESH						-14.9	