



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 Apr 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 17.04.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-अप्रैल-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 Apr 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-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	44438	44926	43653	18664	2380	154061
Peak Shortage (MW)	2647	43	330	0	106	3125
Energy Met (MU)	944	1167	1008	427	39	3586
Hydro Gen(MU)	105	29	69	36	7	245
Wind Gen(MU)	6	52	26	-----	-----	83
Solar Gen (MU)*	14.90	20.63	59.25	0.85	0.01	96
Energy Shortage (MU)	23.0	0.3	0.0	0.0	0.6	23.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45940	51168	45203	20040	2312	156420

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	0.071	0.00	2.18	19.34	21.52	73.24	5.24

C. Power Supply Position in States

Region/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	5728	0	115.6	44.6	-0.5	101	0.0
	Haryana	6506	86	120.6	61.3	2.4	311	2.9
	Rajasthan	8721	0	185.3	66.7	6.7	623	9.8
	Delhi	4380	0	90.2	71.9	-1.3	163	0.1
	UP	15627	110	325.9	112.4	5.1	1012	0.1
	Uttarakhand	1784	150	36.3	20.0	1.8	255	0.1
	HP	1343	0	25.0	15.1	2.4	391	0.1
	J&K	2025	506	41.6	31.9	1.3	213	9.8
WR	Chandigarh	205	0	4.1	3.9	0.2	58	0.0
	Chhattisgarh	3674	0	86.0	14.2	-0.4	206	0.2
	Gujarat	15718	0	353.1	186.4	0.9	381	0.0
	MP	8773	0	189.8	82.5	-2.8	159	0.0
	Maharashtra	23342	16	496.3	147.3	-3.0	748	0.1
	Goa	553	0	12.1	11.3	0.1	38	0.0
	DD	319	0	7.2	6.8	0.4	77	0.0
	DNH	754	0	17.6	17.1	0.5	58	0.0
SR	Essar steel	265	0	4.8	5.4	-0.7	141	0.0
	Andhra Pradesh	8785	0	185.1	66.7	-2.0	503	0.0
	Telangana	8376	0	181.0	70.8	-2.4	341	0.0
	Karnataka	9791	0	215.7	75.4	-2.6	408	0.0
	Kerala	3538	0	74.9	51.3	1.2	294	0.0
	Tamil Nadu	15408	0	343.2	184.5	2.4	683	0.0
ER	Pondy	375	0	8.1	8.2	-0.1	40	0.0
	Bihar	4366	0	82.6	80.6	1.1	350	0.0
	DVC	3227	0	74.1	-58.6	-0.5	285	0.0
	Jharkhand	955	0	22.4	15.7	1.6	100	0.0
	Odisha	4625	0	82.2	27.8	-0.4	298	0.0
	West Bengal	8017	0	164.8	43.8	-0.4	365	0.0
NER	Sikkim	98	0	1.4	1.3	0.1	17	0.0
	Arunachal Pradesh	119	1	2.2	1.6	0.5	44	0.0
	Assam	1478	54	23.2	18.9	1.2	98	0.5
	Manipur	152	7	2.0	2.2	-0.2	24	0.0
	Meghalaya	286	0	4.8	2.7	-0.2	18	0.0
	Mizoram	78	4	1.6	1.2	0.1	20	0.0
NER	Nagaland	129	5	2.0	1.8	0.1	32	0.0
	Tripura	204	12	3.5	3.5	-0.3	45	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-9.2	-2.4
Day peak (MW)	277.5	-519.5	-142.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	182.5	-210.0	111.8	-94.6	3.7	-6.7
Actual(MU)	193.4	-222.2	109.1	-89.0	3.9	-4.8
O/D/U/D(MU)	10.9	-12.2	-2.7	5.6	0.2	1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6238	13341	6962	770	391	27701
State Sector	10180	15601	4610	4555	50	34996
Total	16418	28942	11572	5325	440	62697

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	552	1214	659	496	8	2930
Hydro	105	29	70	36	7	246
Nuclear	24	30	46	0	0	100
Gas, Naptha & Diesel	33	58	22	0	24	137
RES (Wind, Solar, Biomass & Others)	49	73	123	2	0	247
Total	763	1404	921	534	39	3660

*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(मि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 18-Apr-18
SI 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	424	0.0	7.6	-7.6
2		SASARAM-FATEHPUR	S/C	33	134	0.0	0.9	-0.9
3		GAYA-BALIA	S/C	0	449	0.0	8.6	-8.6
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	99	6	1.4	0.0	1.4
7		PUSAULI -ALLAHABAD	S/C	75	18	1.2	0.0	1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	4	509	0.0	6.4	-6.4
9		PATNA-BALIA	Q/C	0	968	0.0	17.0	-17.0
10		BIHARSHARIFF-BALIA	D/C	0	194	0.0	3.9	-3.9
11		MOTIHARI-GORAKHPUR	D/C	0	267	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	323	151	0.0	2.4	-2.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	209	0.0	3.6	-3.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	36	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	3	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						3.0	55.4	-52.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	649	2	6.5	0.0	6.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	209	263	0.1	0.0	0.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	282	55	2.2	0.0	2.2
21		RANCHI-SIPAT	D/C	155	30	2.1	0.0	2.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	125	0.0	1.5	-1.5
23		BUDHIPADAR-KORBA	D/C	245	0	4.7	0.0	4.7
ER-WR						15.6	1.5	14.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1573.8	0.0	28.4	-28.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	318.4	0.0	14.9	-14.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2244.0	0.0	46.7	-46.7
27	400 kV	TALCHER-I/C	D/C	228.3	644.8	0.0	4.0	-4.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	90.0	-90.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	148	709	0.0	1.8	-2
30		ALIPURDUAR-BONGAIGAON	D/C	98	590	0.0	0.3	0
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	136	0.0	1.5	-2
ER-NER						0.0	3.6	-3.6
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	1946	0.0	40.3	-40.3
34		V'CHAL B/B	D/C	0	250	0.0	4.0	-4.0
35		APL -MHG	D/C	0	609	0.0	14.3	-14.3
36	765 kV	GWALIOR-AGRA	D/C	0	1672	0.0	36.1	-36.1
37		PHAGI-GWALIOR	D/C	0	1634	0.0	36.2	-36.2
38		JABALPUR-ORAI	D/C	0	941	0.0	16.4	-16.4
39		GWALIOR-ORAI	S/C	423	0	8.4	0.0	8.4
40		SATNA-ORAI	S/C	0	1823	0.0	43.0	-43.0
41	400 kV	ZERDA-KANKROLI	S/C	413	0	8.3	0.0	8.3
42		ZERDA -BHINMAL	S/C	374	0	6.4	0.0	6.4
43		V'CHAL -RIHAND	S/C	975	0	22.5	0.0	22.5
44		RAPP-SHUALPUR	D/C	0	289	0	3	-3
45	220 kV	BADOD-KOTA	S/C	60	11	0.7	0.0	0.6
46		BADOD-MORAK	S/C	18	36	0.1	0.3	-0.2
47		MEHGAON-AURAIYA	S/C	165	0	1.9	0.0	1.9
48		MALANPUR-AURAIYA	S/C	50	0	0.6	0.0	0.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						48.8	193.1	-144.3
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1520	0.0	18.1	-18.1
53		WARDHA-NIZAMABAD	D/C	0	1918	0.0	30.1	-30.1
54	400 kV	KOLHAPUR-KUDGI	D/C	541	8	6.6	0.0	6.6
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	100	0	2.2	0.0	2.2
WR-SR						8.7	72.1	-63.4
TRANSNATIONAL EXCHANGE								
58		BHUTAN						3.2
59		NEPAL						-9.2
60		BANGLADESH						-2.4