



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: 20th 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 19.04.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th 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

20-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45593	47301	42638	20711	2389	158632
Peak Shortage (MW)	610	0	0	0	130	740
Energy Met (MU)	985	1175	1024	430	36	3650
Hydro Gen(MU)	105	20	64	44	7	240
Wind Gen(MU)	16	70	39	-----	-----	125
Solar Gen (MU)*	19.88	21.75	55.58	0.93	0.03	98
Energy Shortage (MU)	10.6	0.0	0.0	0.0	1.5	12.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46745	50645	48317	21000	2404	161811

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	1.01	9.97	10.97	84.09	4.94

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	6046	0	124.7	53.6	-0.6	117	0.0
	Haryana	6559	0	127.8	58.6	2.7	276	0.1
	Rajasthan	8957	0	198.8	79.3	0.3	565	0.0
	Delhi	4628	0	95.0	73.0	-0.6	64	0.0
	UP	15991	0	327.9	110.7	3.3	892	0.0
	Uttarakhand	1898	0	37.0	21.5	1.3	214	0.0
	HP	1365	0	24.9	16.6	1.5	276	0.0
	J&K	2400	600	44.5	32.3	2.5	952	10.5
	Chandigarh	215	0	4.3	4.2	0.1	36	0.0
WR	Chhattisgarh	3836	0	88.6	25.4	-0.7	398	0.0
	Gujarat	15469	0	350.6	162.4	5.9	601	0.0
	MP	8693	0	190.4	93.9	-1.1	293	0.0
	Maharashtra	23032	0	504.7	141.3	-1.8	307	0.0
	Goa	517	0	12.0	11.0	0.3	45	0.0
	DD	324	0	7.3	6.8	0.6	64	0.0
	DNH	754	0	17.3	16.3	1.0	117	0.0
	Essar steel	221	0	3.9	3.7	0.2	150	0.0
	SR	Andhra Pradesh	8881	0	184.0	64.9	0.9	669
Telangana		8310	0	181.9	71.9	0.1	329	0.0
Karnataka		9862	0	221.4	74.8	-2.4	393	0.0
Kerala		3680	0	77.8	50.2	1.5	224	0.0
Tamil Nadu		15365	0	351.0	176.7	0.8	433	0.0
Pondy		374	0	7.9	8.2	-0.3	26	0.0
ER	Bihar	4471	0	80.5	83.5	-4.3	80	0.0
	DVC	3134	0	71.1	-54.6	-0.3	335	0.0
	Jharkhand	1102	0	23.3	15.6	2.1	180	0.0
	Odisha	4442	0	87.6	29.3	0.9	280	0.0
	West Bengal	8383	0	166.1	45.4	3.2	416	0.0
	Sikkim	101	0	1.4	1.6	-0.2	6	0.0
NER	Arunachal Pradesh	113	6	2.1	1.4	0.7	44	0.0
	Assam	1474	50	21.2	17.0	1.4	98	1.0
	Manipur	161	5	1.6	2.0	-0.5	24	0.0
	Meghalaya	295	1	5.1	2.8	-0.1	18	0.0
	Mizoram	82	4	1.4	0.9	0.2	20	0.0
	Nagaland	119	5	2.0	1.6	0.2	32	0.0
	Tripura	207	12	2.3	2.5	0.4	45	0.4

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.0	-9.7	-2.3
Day peak (MW)	213.3	-430.5	-151.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	205.6	-210.3	95.1	-93.6	4.3	1.0
Actual(MU)	206.1	-217.5	93.5	-89.3	5.8	-1.3
OD/UD(MU)	0.6	-7.2	-1.5	4.3	1.5	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6238	12771	6962	770	405	27145
State Sector	9310	16238	4400	4955	50	34953
Total	15548	29009	11362	5725	454	62098

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	558	1198	680	485	5	2926
Hydro	105	20	65	44	7	241
Nuclear	23	31	46	0	0	100
Gas, Naptha & Diesel	38	67	22	0	21	148
RES (Wind, Solar, Biomass & Others)	64	92	134	2	0	291
Total	788	1408	946	530	33	3706

*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(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES

Date of Reporting : **20-Apr-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	0	433	0.0	4.4	-4.4
2		SASARAM-FATEHPUR	S/C	64	165	0.0	1.6	-1.6
3		GAYA-BALIA	S/C	0	603	0.0	10.5	-10.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	75	33	0.6	0.0	0.6
7		PUSAULI -ALLAHABAD	S/C	93	40	0.7	0.0	0.7
8		MUZAFFARPUR-GORAKHPUR	D/C	3	522	0.0	6.3	-6.3
9		PATNA-BALIA	Q/C	0	1005	0.0	17.1	-17.1
10		BIHARSHARIFF-BALIA	D/C	0	281	0.0	5.6	-5.6
11		MOTIHARI-GORAKHPUR	D/C	0	275	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	306	218	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	200	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	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						1.7	56.8	-55.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	766	37	6.6	0.0	6.6
19	400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	361	264	0.8	0.0	0.8
20		JHARSUGUDA-RAIGARH	Q/C	591	47	4.3	0.0	4.3
21		RANCHI-SIPAT	D/C	220	25	2.1	0.0	2.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	32	89	0.0	0.7	-0.7
23		BUDHIPADAR-KORBA	D/C	223	0	2.8	0.0	2.8
ER-WR						16.7	0.7	16.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1358.8	0.0	24.7	-24.7
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	352.5	0.0	15.8	-15.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1897.5	0.0	45.7	-45.7
27	400 kV	TALCHER-I/C	D/C	64.4	622.5	0.0	6.0	-6.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	86.1	-86.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	23	672	0.0	2.7	-3
30		ALIPURDUAR-BONGAIGAON	D/C	8	561	0.0	1.5	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	134	0.0	1.6	-2
ER-NER						0.0	5.8	-5.8
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	1182	0.0	43.4	-43.4
34		V'CHAL B/B	D/C	150	150	0.3	1.6	-1.3
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	1998	0.0	45.0	-45.0
37		PHAGI-GWALIOR	D/C	0	2118	0.0	40.9	-40.9
38		JABALPUR-ORAI	D/C	0	1052	0.0	17.8	-17.8
39		GWALIOR-ORAI	S/C	471	0	8.8	0.0	8.8
40		SATNA-ORAI	S/C	0	1885	0.0	41.6	-41.6
41	400 kV	ZERDA-KANKROLI	S/C	340	0	5.9	0.0	5.9
42		ZERDA -BHINMAL	S/C	334	0	4.3	0.0	4.3
43		V'CHAL -RIHAND	S/C	980	0	22.9	0.0	22.9
44		RAPP-SHUJALPUR	D/C	0	362	0	2	-2
45	220 kV	BADOD-KOTA	S/C	54	10	0.5	0.0	0.4
46		BADOD-MORAK	S/C	9	42	0.0	0.5	-0.4
47		MEHGAON-AURAIYA	S/C	163	0	3.1	0.0	3.1
48		MALANPUR-AURAIYA	S/C	0	20	0.0	0.3	-0.3
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						45.8	200.8	-155.0
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	22.8	-22.8
51	765 kV	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		SOLAPUR-RAICHUR	D/C	251	1099	0.0	10.0	-10.0
53		WARDHA-NIZAMABAD	D/C	0	1987	0.0	26.9	-26.9
54	400 kV	KOLHAPUR-KUDGI	D/C	617	0	6.8	0.0	6.8
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	100	0	2.2	0.0	2.2
WR-SR						9.0	59.7	-50.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						4.0
59		NEPAL						-9.7
60		BANGLADESH						-2.3