



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: 17th 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 16.04.2018.

महोदय/Dear Sir,

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

17-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42928	47902	42684	20708	2433	156655
Peak Shortage (MW)	873	47	215	0	62	1196
Energy Met (MU)	913	1155	982	436	40	3526
Hydro Gen(MU)	99	21	68	47	7	242
Wind Gen(MU)	16	38	16	-----	-----	70
Solar Gen (MU)*	15.00	20.49	57.16	0.92	0.03	94
Energy Shortage (MU)	15.4	0.0	0.0	0.0	0.5	15.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	44035	51729	44750	21345	2428	159218

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	0.15	1.81	20.78	22.73	72.26	5.01

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	5510	0	112.7	50.0	-1.2	116	0.0
	Haryana	6377	150	114.4	59.6	2.2	251	2.3
	Rajasthan	8799	0	184.9	59.9	3.3	475	0.9
	Delhi	4168	0	87.8	67.9	-0.7	247	0.0
	UP	15153	255	311.1	105.0	4.3	570	0.0
	Uttarakhand	1724	0	33.7	19.4	0.0	94	0.4
	HP	1308	0	22.6	14.1	1.1	225	2.0
	J&K	2044	511	41.5	32.6	2.6	360	9.8
WR	Chandigarh	197	0	3.9	3.8	0.1	37	0.0
	Chhattisgarh	3779	0	83.7	11.8	0.8	149	0.0
	Gujarat	15645	0	348.5	191.2	-1.7	425	0.0
	MP	8781	0	187.3	81.0	-2.4	298	0.0
	Maharashtra	22966	0	492.6	155.0	-4.0	233	0.0
	Goa	545	0	12.3	11.0	0.5	54	0.0
	DD	312	0	7.1	6.8	0.4	74	0.0
	DNH	758	0	17.6	17.1	0.5	56	0.0
SR	Essar steel	350	0	5.9	5.6	0.3	199	0.0
	Andhra Pradesh	8945	0	183.5	65.7	-0.6	314	0.0
	Telangana	8207	0	173.5	73.2	-1.3	296	0.0
	Karnataka	9951	0	211.5	70.5	-0.8	379	0.0
	Kerala	3603	0	73.8	51.3	1.3	203	0.0
	Tamil Nadu	14922	0	332.2	176.2	2.0	819	0.0
	Pondy	378	0	8.0	8.2	-0.2	51	0.0
	Bihar	4770	0	85.5	81.4	3.4	450	0.0
ER	DVC	3163	0	73.5	-56.2	-1.4	345	0.0
	Jharkhand	1070	0	25.0	16.9	2.2	195	0.0
	Odisha	4272	0	84.6	24.8	0.1	300	0.0
	West Bengal	8417	0	166.1	37.3	2.2	398	0.0
	Sikkim	95	0	1.4	1.5	-0.1	15	0.0
NER	Arunachal Pradesh	118	2	2.1	1.8	0.3	44	0.0
	Assam	1458	43	24.2	19.0	1.8	98	0.4
	Manipur	163	5	2.0	2.3	-0.3	24	0.0
	Meghalaya	268	0	4.5	2.6	-0.2	18	0.0
	Mizoram	86	3	1.5	1.3	-0.2	20	0.0
	Nagaland	130	4	2.0	1.9	0.0	32	0.0
Tripura	250	1	4.1	3.7	0.9	45	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.1	-10.6	-3.4
Day peak (MW)	129.7	-473.0	-180.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	173.7	-185.8	118.1	-108.6	2.3	-0.3
Actual(MU)	177.8	-198.6	114.0	-98.1	3.5	-1.4
O/D/U/D(MU)	4.1	-12.8	-4.1	10.5	1.2	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5493	12821	7352	770	232	26668
State Sector	9830	15827	4660	4345	50	34712
Total	15323	28648	12012	5115	281	61379

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	526	1207	643	501	11	2888
Hydro	99	21	69	47	7	243
Nuclear	26	30	46	0	0	102
Gas, Naptha & Diesel	33	58	22	0	24	138
RES (Wind, Solar, Biomass & Others)	60	58	106	2	0	226
Total	744	1374	887	550	41	3597

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(परिषद्)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिडिंग)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES

Date of Reporting : 17-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	428	0.0	7.0	-7.0
2		SASARAM-FATEHPUR	S/C	109	167	0.0	1.4	-1.4
3		GAYA-BALIA	S/C	0	439	0.0	7.7	-7.7
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	131	0	1.4	0.0	1.4
7		PUSAULI -ALLAHABAD	S/C	134	0	1.4	0.0	1.4
8		MUZAFFARPUR-GORAKHPUR	D/C	5	479	0.0	5.3	-5.3
9		PATNA-BALIA	Q/C	0	990	0.0	17.9	-17.9
10		BIHARSHARIFF-BALIA	D/C	0	183	0.0	5.3	-5.3
11		MOTIHARI-GORAKHPUR	D/C	0	276	0.0	4.9	-4.9
12		BIHARSHARIFF-VARANASI	D/C	225	206	0.0	2.4	-2.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	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	0.5	0.0	0.5
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						3.2	55.5	-52.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	781	61	7.5	0.0	7.5
19	400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	143	442	0.0	2.8	-2.8
20		JHARSUGUDA-RAIGARH	Q/C	192	157	0.4	0.0	0.4
21		RANCHI-SIPAT	D/C	176	42	1.8	0.0	1.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	202	0.0	2.3	-2.3
23		BUDHIPADAR-KORBA	D/C	286	0	5.3	0.0	5.3
ER-WR						15.0	5.1	9.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1822.7	0.0	32.6	-32.6
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	322.5	0.0	14.8	-14.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2254.0	0.0	46.7	-46.7
27	400 kV	TALCHER-I/C	D/C	122.1	481.6	0.0	3.8	-3.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	94.1	-94.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	43	537	0.0	1.5	-1
30		ALIPURDUAR-BONGAIGAON	D/C	19	458	0.0	0.3	0
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	127	0.0	1.6	-2
ER-NER						0.0	3.4	-3.4
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	0	981	0.0	42.9	-42.9
34		V'CHAL B/B	D/C	50	150	0.4	2.9	-2.5
35		APL -MHG	D/C	0	709	0.0	15.2	-15.2
36	765 kV	GWALIOR-AGRA	D/C	0	1586	0.0	31.6	-31.6
37		PHAGI-GWALIOR	D/C	0	1644	0.0	34.5	-34.5
38		JABALPUR-ORAI	D/C	0	967	0.0	13.0	-13.0
39		GWALIOR-ORAI	S/C	368	0	7.8	0.0	7.8
40	400 kV	SATNA-ORAI	S/C	0	1784	0.0	39.5	-39.5
41		ZERDA-KANKROLI	S/C	524	0	10.3	0.0	10.3
42		ZERDA -BHINMAL	S/C	533	0	9.0	0.0	9.0
43		V'CHAL -RIHAND	S/C	980	0	22.5	0.0	22.5
44		RAPP-SHUJALPUR	D/C	0	175	0	1	-1
45		BADOD-KOTA	S/C	84	0	1.0	0.0	1.0
46		BADOD-MORAK	S/C	20	31	0.2	0.1	0.1
47	220 kV	MEHGAON-AURAIYA	S/C	68	0	1.1	0.0	1.1
48		MALANPUR-AURAIYA	S/C	41	0	0.6	0.0	0.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						53.0	181.0	-128.0
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	21.1	-21.1
51	765 kV	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		SOLAPUR-RAICHUR	D/C	89	1454	0.0	15.9	-15.9
53		WARDHA-NIZAMABAD	D/C	0	2001	0.0	30.8	-30.8
54	400 kV	KOLHAPUR-KUDGI	D/C	529	0	6.0	0.0	6.0
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						8.1	67.8	-59.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						3.1
59		NEPAL						-10.6
60		BANGLADESH						-3.4