



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: 23rd Mar 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 22.03.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-Mar-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 22nd Mar 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

23-Mar-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40332	45330	44780	20660	2411	153513
Peak Shortage (MW)	835	44	215	0	68	1162
Energy Met (MU)	883	1100	1039	417	40	3480
Hydro Gen(MU)	104	22	62	34	6	228
Wind Gen(MU)	4	39	49	-----	-----	92
Solar Gen (MU)*	7.69	20.15	55.24	0.78	0.02	84
Energy Shortage (MU)	11.5	0.0	0.0	0.0	0.6	12.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43187	49423	45655	20838	2409	157808

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	0.049	0.00	0.19	14.90	15.08	79.36	5.56

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	4886	0	103.5	18.4	-0.4	148	0.0
	Haryana	5745	475	119.0	46.6	2.4	246	1.4
	Rajasthan	9510	0	185.6	42.5	3.0	462	0.0
	Delhi	3523	0	69.8	55.1	-0.1	139	0.1
	UP	14804	255	297.4	98.9	0.2	612	0.0
	Uttarakhand	1783	0	36.3	26.7	0.5	139	0.0
	HP	1446	0	26.1	20.6	0.1	117	0.0
	J&K	2019	505	42.6	39.0	-1.4	105	10.0
WR	Chhattisgarh	167	0	3.1	3.0	0.2	40	0.0
	Gujarat	3848	0	86.3	15.8	-1.5	46	0.0
	Gujarat	14966	0	326.1	177.4	3.7	347	0.0
	MP	8684	0	177.3	85.0	-1.9	313	0.0
	Maharashtra	21488	0	460.1	132.9	-1.3	271	0.0
	Goa	484	0	11.0	10.3	0.1	35	0.0
	DD	332	0	7.5	6.9	0.7	95	0.0
	DNH	773	0	18.0	17.1	0.9	61	0.0
SR	Essar steel	622	0	13.3	12.2	1.1	223	0.0
	Andhra Pradesh	8424	0	181.3	53.5	-0.5	754	0.0
	Telangana	10034	0	223.3	108.7	-0.5	397	0.0
	Karnataka	10085	0	219.8	73.2	-1.0	411	0.0
	Kerala	3660	0	76.5	54.7	1.7	192	0.0
	Tamil Nadu	14442	0	330.7	155.0	1.4	573	0.0
	Pondy	359	0	7.6	7.8	-0.3	25	0.0
	Bihar	4459	0	81.5	71.0	1.0	220	0.0
ER	DVC	2961	0	67.4	-49.7	-1.3	220	0.0
	Jharkhand	1270	0	24.3	13.9	0.5	85	0.0
	Odisha	4365	0	86.8	40.4	1.1	225	0.0
	West Bengal	8303	0	155.9	51.0	1.1	225	0.0
	Sikkim	99	0	1.4	1.3	0.1	15	0.0
NER	Arunachal Pradesh	96	5	2.0	1.8	0.3	31	0.0
	Assam	1465	33	23.0	18.9	0.9	94	0.4
	Manipur	161	2	2.3	2.4	-0.1	20	0.0
	Meghalaya	285	1	5.4	3.5	0.1	35	0.0
	Mizoram	86	4	1.5	1.2	0.2	31	0.0
	Nagaland	125	3	2.1	1.9	0.1	17	0.0
	Tripura	251	2	3.8	3.3	0.5	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.5	-10.6	-14.6
Day peak (MW)	247.6	-301.0	-644.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	127.2	-171.5	104.8	-62.5	2.7	0.7
Actual(MU)	128.4	-179.4	92.0	-43.4	3.9	1.5
OD/UD(MU)	1.2	-7.8	-12.8	19.1	1.2	0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4760	13051	6052	1580	245	25689
State Sector	8885	18303	3620	4525	50	35383
Total	13645	31354	9672	6105	295	61071

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	579	1123	680	461	11	2854
Hydro	104	22	62	34	6	228
Nuclear	23	24	46	0	0	93
Gas, Naptha & Diesel	27	54	21	0	23	125
RES (Wind, Solar, Biomass & Others)	40	59	148	2	0	250
Total	774	1282	957	497	41	3550

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

INTER-REGIONAL EXCHANGES

Date of Reporting : 23-Mar-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	292	0.0	3.2	-3.2
2		SASARAM-FATEHPUR	S/C	0	95	0.4	0.0	0.4
3		GAYA-BALIA	S/C	0	397	0.0	6.4	-6.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	13.2	-13.2
5		PUSAULI B/B	S/C	0	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	0	53	0.8	0.0	0.8
7		PUSAULI -ALLAHABAD	S/C	0	0	1.9	0.0	1.9
8		MUZAFFARPUR-GORAKHPUR	D/C	0	231	0.0	0.8	-0.8
9		PATNA-BALIA	Q/C	0	624	0.0	10.8	-10.8
10		BIHARSHARIFF-BALIA	D/C	0	153	0.0	3.3	-3.3
11		MOTIHARI-GORAKHPUR	D/C	0	251	0.0	4.1	-4.1
12		BIHARSHARIFF-VARANASI	D/C	0	473	0.4	0.0	0.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	172	0.0	3.3	-3.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.7	0.0	0.7
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						4.3	45.1	-40.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	20.6	0.0	20.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	194	3.5	0.0	3.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	12.9	0.0	12.9
21		RANCHI-SIPAT	D/C	0	0	3.1	0.0	3.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	131	0.0	1.6	-1.6
23		BUDHIPADAR-KORBA	D/C	0	0	4.7	0.0	4.7
ER-WR						44.7	1.6	43.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	27.4	-27.4
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	347.1	0.0	14.5	-14.5
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1893.3	0.0	43.2	-43.2
27	400 kV	TALCHER-I/C	D/C	0.0	506.8	2.0	7.4	-5.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	85.1	-85.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1099	0.0	5.3	-5
30		ALIPURDUAR-BONGAIGAON	D/C	0	944	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.6	-2
ER-NER						3.9	6.9	-3.0
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	22	1303	0.0	48.8	-48.8
34		V'CHAL B/B	D/C	0	250	0.0	2.0	-2.0
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	2570	0.0	52.7	-52.7
37		PHAGI-GWALIOR	D/C	485	1172	0.0	20.1	-20.1
38	400 kV	ZERDA-KANKROLI	S/C	450	0	9.0	0.0	9.0
39		ZERDA -BHINMAL	S/C	460	0	7.5	0.0	7.5
40		V'CHAL -RIHAND	S/C	971	0	22.7	0.0	22.7
41		RAPP-SHUJALPUR	D/C	17	280	0	1	-1
42	220 kV	BADOD-KOTA	S/C	130	1	1.5	0.0	1.5
43		BADOD-MORAK	S/C	63	32	0.4	0.1	0.3
44		MEHGAON-AURAIYA	S/C	75	0	1.1	0.0	1.1
45		MALANPUR-AURAIYA	S/C	39	12	0.3	0.0	0.3
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.6	132.5	-89.9
Import/Export of WR (With SR)								
47	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
48		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	542	672	0.0	6.1	-6.1
50		WARDHA-NIZAMABAD	D/C	0	1864	0.0	32.9	-32.9
51	400 kV	KOLHAPUR-KUDGI	D/C	576	0	8.4	0.0	8.4
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	104	0	1.9	0.0	1.9
WR-SR						10.3	62.9	-52.6
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.5
56		NEPAL						-10.6
57		BANGLADESH						-14.6