



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: 22nd 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 21.03.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21st 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

22-Mar-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	39635	44493	43947	20413	2391	150880
Peak Shortage (MW)	900	76	0	43	41	1060
Energy Met (MU)	876	1095	1024	414	40	3449
Hydro Gen(MU)	99	24	62	35	7	227
Wind Gen(MU)	9	67	33	-----	-----	108
Solar Gen (MU)*	5.61	19.79	53.51	0.67	0.02	80
Energy Shortage (MU)	10.4	0.0	0.0	0.1	0.4	10.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	41832	48897	44916	20862	2364	155027

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	0.031	0.00	0.14	6.19	6.33	86.17	7.50

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	5017	0	102.6	21.6	-0.6	137	0.0
	Haryana	6280	158	117.7	43.7	3.0	238	0.3
	Rajasthan	9453	0	181.5	43.2	1.1	398	0.0
	Delhi	3541	0	70.3	58.6	-0.1	162	0.2
	UP	14413	375	299.2	98.8	0.8	672	0.0
	Uttarakhand	1819	0	33.8	25.5	1.6	238	0.0
	HP	1421	0	26.1	19.9	1.1	167	0.0
	J&K	1994	499	41.9	39.0	-2.1	72	9.9
	Chandigarh	187	0	3.3	3.0	0.3	33	0.0
WR	Chhattisgarh	3710	0	84.3	15.8	-3.1	58	0.0
	Gujarat	14424	0	322.4	165.3	2.8	388	0.0
	MP	8637	0	176.2	78.3	-2.0	289	0.0
	Maharashtra	21576	0	462.1	128.0	-0.7	445	0.0
	Goa	484	0	11.0	10.1	0.3	37	0.0
	DD	334	0	7.6	6.7	0.9	74	0.0
	DNH	751	0	17.8	16.9	0.9	60	0.0
	Essar steel	619	0	13.6	13.2	0.4	195	0.0
	SR	Andhra Pradesh	8383	0	178.1	48.8	-0.1	421
Telangana		9919	0	222.2	120.5	0.4	398	0.0
Karnataka		9568	0	214.4	70.2	0.4	518	0.0
Kerala		3681	0	76.7	53.2	1.8	224	0.0
Tamil Nadu		14500	0	325.0	157.9	0.8	468	0.0
Pondy		346	0	7.4	7.7	-0.3	48	0.0
ER		Bihar	4381	0	79.6	71.2	-1.0	210
	DVC	2963	0	67.1	-45.8	-1.4	220	0.0
	Jharkhand	1177	0	24.8	14.1	0.7	80	0.1
	Odisha	4500	0	90.5	41.6	2.8	225	0.0
	West Bengal	8076	0	150.3	49.2	1.1	220	0.0
	Sikkim	101	0	1.5	1.4	0.1	12	0.0
NER	Arunachal Pradesh	94	15	2.1	1.8	0.3	31	0.0
	Assam	1437	22	22.6	18.7	1.0	94	0.3
	Manipur	169	8	2.3	2.4	-0.1	20	0.0
	Meghalaya	289	23	5.5	3.5	0.0	35	0.0
	Mizoram	85	2	1.5	1.2	0.2	31	0.0
	Nagaland	121	8	2.1	1.9	0.1	17	0.0
	Tripura	240	2	3.9	3.4	0.0	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-10.0	-14.6
Day peak (MW)	238.3	-275.8	-776.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	122.3	-171.3	101.3	-54.0	2.4	0.7
Actual(MU)	123.8	-188.1	99.8	-42.3	3.3	-3.5
O/D/U/D(MU)	1.5	-16.8	-1.5	11.6	0.9	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5260	13621	6402	1580	220	27083
State Sector	7765	17362	4010	4775	50	33962
Total	13025	30983	10412	6355	269	61045

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	577	1099	678	446	10	2810
Hydro	99	24	62	35	7	227
Nuclear	27	24	46	0	0	97
Gas, Naptha & Diesel	26	54	20	0	23	123
RES (Wind, Solar, Biomass & Others)	42	87	130	2	0	261
Total	771	1287	936	484	41	3518

*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 : 22-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	226	0.0	2.0	-2.0
2		SASARAM-FATEHPUR	S/C	0	107	0.4	0.0	0.4
3		GAYA-BALIA	S/C	0	341	0.0	5.8	-5.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	12.9	-12.9
5		PUSAULI B/B	S/C	0	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	0	0	1.2	0.0	1.2
7		PUSAULI -ALLAHABAD	S/C	0	0	2.6	0.0	2.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	255	0.0	1.3	-1.3
9		PATNA-BALIA	Q/C	0	581	0.0	9.9	-9.9
10		BIHARSHARIFF-BALIA	D/C	0	127	0.0	3.6	-3.6
11		MOTIHARI-GORAKHPUR	D/C	0	229	0.0	3.9	-3.9
12	220 kV	BIHARSHARIFF-VARANASI	D/C	0	406	1.0	0.0	1.0
13		PUSAULI-SAHUPURI	S/C	0	168	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						5.9	42.7	-36.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	18.9	0.0	18.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	204	3.9	0.0	3.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	13.0	0.0	13.0
21		RANCHI-SIPAT	D/C	0	16	2.5	0.0	2.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	171	0.0	1.2	-1.2
23		BUDHIPADAR-KORBA	D/C	0	0	4.9	0.0	4.9
ER-WR						43.2	1.2	42.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	24.9	-24.9
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	15.8	-15.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2270.6	0.0	47.5	-47.5
27	400 kV	TALCHER-I/C	D/C	0.0	492.1	2.3	6.5	-4.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	88.2	-88.2
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1026	0.0	4.5	-4
30		ALIPURDUAR-BONGAIGAON	D/C	0	886	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.5	-2
ER-NER						3.9	6.0	-2.1
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	1114	0.0	45.7	-45.7
34		V'CHAL B/B	D/C	50	250	0.5	3.0	-2.5
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	2424	0.0	49.2	-49.2
37		PHAGI-GWALIOR	D/C	478	1114	0.0	18.7	-18.7
38	400 kV	ZERDA-KANKROLI	S/C	458	0	8.1	0.0	8.1
39		ZERDA -BHINMAL	S/C	435	0	6.5	0.0	6.5
40		V'CHAL -RIHAND	S/C	958	0	22.4	0.0	22.4
41		RAPP-SHUJALPUR	D/C	0	1	0	2	-2
42	220 kV	BADOD-KOTA	S/C	108	26	0.8	0.1	0.8
43		BADOD-MORAK	S/C	43	55	0.1	0.4	-0.2
44		MEHGAON-AURAIYA	S/C	84	0	0.9	0.0	0.9
45	132kV	MALANPUR-AURAIYA	S/C	48	5	0.5	0.0	0.5
46		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.9	125.9	-86.1
Import/Export of WR (With SR)								
47	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	27.9	-27.9
48		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	469	770	0.0	6.1	-6.1
50		WARDHA-NIZAMABAD	D/C	0	2027	0.0	36.1	-36.1
51	400 kV	KOLHAPUR-KUDGI	D/C	560	0	7.7	0.0	7.7
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						9.7	70.1	-60.5
TRANSNATIONAL EXCHANGE								
55		BHUTAN						1.8
56		NEPAL						-10.0
57		BANGLADESH						-14.6