National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 01st Mar 2019

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
   Executive Director, 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. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 28.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-फ़रवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 28th February 2019, 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** **1-Mar-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42751	46510	45421	15670	2286	152638
Peak Shortage (MW)	842	0	0	0	119	961
Energy Met (MU)	869	1102	1080	335	38	3423
Hydro Gen (MU)	144	22	79	28	3	276
Wind Gen (MU)	12	49	37	----------	----------	99
Solar Gen (MU)*	24.09	27.16	76.98	0.93	0.02	129
Energy Shortage (MU)	12.6	0.0	0.0	0.0	0.1	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44962 19:19	53281 09:48	47368 12:34	17727 19:29	2323 18:18	159059 19:14

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	0.038	0.00	0.00	1.00	1.00	65.65	33.36

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	5070	0	101.6	37.2	-1.2	64	0.0
	Haryana	6085	0	117.2	90.8	0.6	123	0.2
	Rajasthan	11418	0	222.5	72.5	0.9	324	0.0
	Delhi	3844	0	66.1	58.6	-0.6	237	0.0
	UP	13663	260	241.9	95.3	0.7	547	0.0
	Uttarakhand	1939	0	37.0	25.3	-0.2	134	0.3
	HP	1613	40	30.8	22.2	0.7	122	0.8
	J&K	2303	576	48.2	42.7	-0.9	132	11.3
	Chandigarh	215	0	3.5	3.6	-0.1	13	0.0
WR	Chhattisgarh	4048	0	92.1	39.4	-0.5	359	0.0
	Gujarat	14237	0	314.6	90.4	1.7	1070	0.0
	MP	11550	0	212.0	106.6	0.0	622	0.0
	Maharashtra	20693	0	432.9	124.4	1.3	548	0.0
	Goa	532	0	10.9	9.4	1.0	43	0.0
	DD	321	0	7.2	6.7	0.5	44	0.0
	DNH	794	0	18.5	18.4	0.2	75	0.0
	Essar steel	659	0	14.0	14.1	-0.1	229	0.0
SR	Andhra Pradesh	8690	0	196.8	96.4	1.0	498	0.0
	Telangana	9847	0	215.5	100.7	0.7	496	0.0
	Karnataka	12012	0	246.3	83.9	-0.5	408	0.0
	Kerala	3845	0	77.8	60.8	0.9	200	0.0
	Tamil Nadu	15562	0	335.5	176.2	0.5	492	0.0
	Pondy	399	0	8.1	8.1	0.0	50	0.0
ER	Bihar	3914	0	63.8	60.1	0.4	460	0.0
	DVC	3057	0	63.7	-50.1	-0.1	396	0.0
	Jharkhand	1000	0	20.7	17.2	-0.1	169	0.0
	Odisha	3865	0	75.9	23.4	1.5	267	0.0
	West Bengal	6126	0	109.3	17.9	-1.8	309	0.0
	Sikkim	97	0	1.2	1.6	-0.3	18	0.0
NER	Arunachal Pradesh	122	2	2.3	2.6	-0.3	15	0.0
	Assam	1397	7	19.8	17.8	-0.6	112	0.0
	Manipur	193	2	2.7	2.7	0.0	35	0.0
	Meghalaya	375	0	6.6	5.4	-0.2	68	0.0
	Mizoram	97	3	1.8	1.6	0.1	19	0.0
	Nagaland	107	3	2.0	1.9	0.1	26	0.0
	Tripura	205	9	2.8	1.9	-0.9	85	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.4	-6.6	-16.6
Day peak (MW)	57.2	-304.0	-982.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	177.0	-247.6	160.0	-96.4	4.6	-2.4
Actual(MU)	172.7	-269.5	164.9	-88.1	4.3	-15.8
O/D/U/D(MU)	-4.3	-22.0	4.9	8.3	-0.4	-13.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	897	12444	5402	2940	571	22254
State Sector	470	15867	8430	3365	50	28182
Total	1367	28311	13832	6305	621	50436

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	436	1171	584	436	7	2634
Lignite	18	16	47	0	0	81
Hydro	144	22	79	28	3	276
Nuclear	27	31	36	0	0	93
Gas, Naptha & Diesel	20	37	18	0	28	104
RES (Wind, Solar, Biomass & Others)	68	76	162	1	0	307
Total	713	1354	926	465	39	3495

Share of RES in total generation (%)	9.50	5.63	17.48	0.21	0.05	8.78
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.47	9.59	29.88	6.19	7.47	19.36

H. Diversity Factor

All India Demand Diversity Factor	1.042

Diversity factor = Sum of regional maximum demands / All India maximum demand

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

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **1-Mar-19**

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU)
Import/Export of ER (With NR)								
1	**765kV**	GAYA-VARANASI	D/C	0	473	0.0	7.7	-7.7
2		SASARAM-FATEHPUR	S/C	0	331	0.0	4.3	-4.3
3		GAYA-BALIA	S/C	0	587	0.0	9.7	-9.7
4	**HVDC**	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.5	-3.5
6	**400 kV**	PUSAULI-VARANASI	S/C	0	122	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	635	0.0	10.3	-10.3
9		PATNA-BALIA	Q/C	0	804	0.0	13.1	-13.1
10		BIHARSHARIFF-BALIA	D/C	0	413	0.0	7.9	-7.9
11		MOTIHARI-GORAKHPUR	D/C	0	314	0.0	4.9	-4.9
12		BIHARSHARIFF-VARANASI	D/C	20	255	0.0	3.5	-3.5
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.6	-2.6
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
					ER-NR	**0.5**	**71.0**	**-70.5**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1598	0	30.5	0.0	30.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	447	244	2.0	0.0	2.0
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	31	352	0.0	3.8	-3.8
21		RANCHI-SIPAT	D/C	199	56	1.5	0.0	1.5
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	102	0.0	1.6	-1.6
23		BUDHIPADAR-KORBA	D/C	143	0	2.5	0.0	2.5
					ER-WR	**36.5**	**5.4**	**31.1**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1977.0	0.0	40.7	-40.7
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	788.0	0.0	15.8	-15.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2453.0	0.0	52.2	-52.2
27	**400 kV**	TALCHER-I/C	D/C	0.0	524.0	0.0	7.4	-7.4
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**108.7**	**-108.7**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	336	32	4.3	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	455	0	6.3	0.0	6
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	71	40	0.5	0.0	1
					ER-NER	**11.1**	**0.0**	**11.1**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	662	0	16.1	0.0	16.1
					NER-NR	**16.1**	**0.0**	**16.1**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	19.8	-19.8
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1646	0.0	36.9	-36.9
36	**765 kV**	GWALIOR-AGRA	D/C	0	2345	0.0	42.7	-42.7
37		PHAGI-GWALIOR	D/C	0	1248	0.0	21.5	-21.5
38		JABALPUR-ORAI	D/C	0	727	0.0	24.1	-24.1
39		GWALIOR-ORAI	S/C	598	0	11.1	0.0	11.1
40		SATNA-ORAI	S/C	0	1306	0.0	27.0	-27.0
41		CHITORGARH-BANASKANTHA	D/C	351	0	0.6	0.0	0.6
42	**400 kV**	ZERDA-KANKROLI	S/C	163	52	0.8	0.0	0.8
43		ZERDA -BHINMAL	S/C	137	263	0.0	2.2	-2.2
44		V'CHAL -RIHAND	S/C	962	0	19.8	0.0	19.8
45		RAPP-SHUJALPUR	D/C	123	231	0	1	-1
46	**220 kV**	BADOD-KOTA	S/C	30	42	0.2	0.5	-0.3
47		BADOD-MORAK	S/C	17	107	0.0	1.1	-1.1
48		MEHGAON-AURAIYA	S/C	50	15	0.4	0.0	0.4
49		MALANPUR-AURAIYA	S/C	23	28	0.1	0.2	-0.1
50	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**39.1**	**176.9**	**-137.8**
Import/Export of WR (With SR)								
51	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	**765 kV**	SOLAPUR-RAICHUR	D/C	0	2640	0.0	45.7	-45.7
54		WARDHA-NIZAMABAD	D/C	0	2505	0.0	42.1	-42.1
55	**400 kV**	KOLHAPUR-KUDGI	D/C	1050	0	13.8	0.0	13.8
56	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	0	67	1.2	0.0	1.2
					WR-SR	**15.1**	**111.7**	**-96.6**
TRANSNATIONAL EXCHANGE								
59		BHUTAN						**1.4**
60		NEPAL						**-6.6**
61		BANGLADESH						**-16.6**