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: 3rd Feb 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 02.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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** **3-Feb-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45034	47033	40549	18148	2457	153221
Peak Shortage (MW)	746	0	0	0	39	785
Energy Met (MU)	930	1087	915	366	43	3341
Hydro Gen (MU)	114	27	75	25	6	246
Wind Gen (MU)	20	82	37	----------	----------	139
Solar Gen (MU)*	19.13	20.98	73.36	0.91	0.04	114
Energy Shortage (MU)	13.5	0.7	0.0	0.0	0.2	14.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46736	54484	42446	18880	2402	159073
	18:35	10:32	07:43	19:10	17:55	09:30

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	7.43	7.43	78.25	14.32

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	5555	0	106.7	33.1	-0.4	63	0.0
	Haryana	6658	0	127.3	78.7	1.3	233	0.0
	Rajasthan	11948	0	234.3	59.9	-1.6	216	0.0
	Delhi	4110	0	69.2	58.7	0.0	317	0.0
	UP	13402	140	270.0	112.7	0.1	368	1.7
	Uttarakhand	2159	0	39.6	26.1	-1.2	61	0.0
	HP	1663	0	29.8	24.6	-0.4	118	0.0
	J&K	2551	638	49.4	44.9	-1.1	319	11.8
	Chandigarh	227	0	3.6	3.6	0.0	27	0.0
WR	Chhattisgarh	3565	0	78.1	27.2	0.9	308	0.7
	Gujarat	15262	0	319.9	69.6	1.0	690	0.0
	MP	13153	0	238.5	125.9	-0.9	421	0.0
	Maharashtra	19855	0	403.5	111.2	0.5	498	0.0
	Goa	452	0	11.5	11.0	-0.1	48	0.0
	DD	317	0	7.1	6.9	0.2	44	0.0
	DNH	770	0	17.9	17.6	0.2	46	0.0
	Essar steel	517	0	10.1	10.1	0.0	272	0.0
SR	Andhra Pradesh	7845	0	160.8	65.1	0.6	571	0.0
	Telangana	8539	0	169.7	69.4	0.6	598	0.0
	Karnataka	11546	0	212.9	79.8	-0.6	605	0.0
	Kerala	3578	0	70.2	51.3	0.7	311	0.0
	Tamil Nadu	13953	0	294.6	148.4	-0.3	474	0.0
	Pondy	335	0	6.6	6.9	-0.3	48	0.0
ER	Bihar	4210	0	74.1	68.8	0.1	460	0.0
	DVC	2997	0	64.4	-45.6	0.3	396	0.0
	Jharkhand	1065	0	24.4	18.3	-0.5	169	0.0
	Odisha	3982	0	74.4	21.3	-0.2	267	0.0
	West Bengal	6820	0	127.1	30.2	0.2	309	0.0
	Sikkim	100	0	1.4	1.8	-0.4	18	0.0
NER	Arunachal Pradesh	123	6	2.2	2.8	-0.6	16	0.0
	Assam	1433	23	23.9	18.2	1.3	162	0.2
	Manipur	195	4	2.8	2.7	0.1	30	0.0
	Meghalaya	371	0	6.2	4.7	-0.1	59	0.0
	Mizoram	112	7	1.9	1.5	0.2	30	0.0
	Nagaland	147	5	2.2	2.0	0.0	38	0.0
	Tripura	228	16	4.3	1.7	0.4	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-1.2	-5.1	-14.4
Day peak (MW)	36.4	-305.0	-835.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	183.7	-226.2	117.8	-81.4	3.7	-2.4
Actual(MU)	176.3	-229.6	113.4	-75.9	4.9	-10.9
O/D/U/D(MU)	-7.4	-3.5	-4.4	5.6	1.2	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3314	16031	6252	1420	598	27614
State Sector	10635	17101	8990	3355	50	40131
Total	13949	33132	15242	4775	648	67745

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	533	1108	477	440	9	2567
Lignite	15	15	48	0	0	78
Hydro	114	27	75	25	6	246
Nuclear	19	31	34	0	0	84
Gas, Naptha & Diesel	24	36	19	0	28	106
RES (Wind, Solar, Biomass & Others)	70	105	151	1	0	327
Total	775	1322	805	465	42	3409

Share of RES in total generation (%)	9.00	7.96	18.77	0.21	0.09	9.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.14	12.33	32.34	5.49	13.77	19.28

H. Diversity Factor

All India Demand Diversity Factor	1.037

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 : **3-Feb-19**

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	857	0.0	12.3	-12.3
2		SASARAM-FATEHPUR	S/C	0	305	0.0	3.6	-3.6
3		GAYA-BALIA	S/C	0	358	0.0	6.3	-6.3
4	**HVDC**	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.4	-3.4
6	**400 kV**	PUSAULI-VARANASI	S/C	0	111	0.0	2.2	-2.2
7		PUSAULI -ALLAHABAD	S/C	0	101	0.0	1.3	-1.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	769	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	1089	0.0	17.6	-17.6
10		BIHARSHARIFF-BALIA	D/C	0	360	0.0	5.3	-5.3
11		MOTIHARI-GORAKHPUR	D/C	0	389	0.0	7.0	-7.0
12		BIHARSHARIFF-VARANASI	D/C	9	339	0.0	3.4	-3.4
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	168	0.0	3.0	-3.0
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	39	0	0.7	0.0	0.7
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	**1.2**	**73.6**	**-72.4**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	721	0	10.1	0.0	10.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	296	517	0.0	1.2	-1.2
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	0	399	0.0	4.0	-4.0
21		RANCHI-SIPAT	D/C	142	137	0.8	0.0	0.8
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	94	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	70	37	0.6	0.0	0.6
					ER-WR	**11.5**	**6.5**	**5.0**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1994.0	0.0	38.9	-38.9
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.0	-16.0
26		TALCHER-KOLAR BIPOLE	D/C	17.0	987.0	0.0	6.7	-6.7
27	**400 kV**	TALCHER-I/C	D/C	615.0	0.0	31.6	0.0	31.6
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**61.7**	**-61.7**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	255	45	3.8	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	388	0	6.4	0.0	6
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	57	43	0.6	0.0	1
					ER-NER	**10.8**	**0.0**	**10.8**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	664	0	16.3	0.0	16.3
					NER-NR	**16.3**	**0.0**	**16.3**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	1359	0.0	32.6	-32.6
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1737	0.0	38.0	-38.0
36	**765 kV**	GWALIOR-AGRA	D/C	0	1006	0.0	36.1	-36.1
37		PHAGI-GWALIOR	D/C	0	872	0.0	15.0	-15.0
38		JABALPUR-ORAI	D/C	0	533	0.0	19.9	-19.9
39		GWALIOR-ORAI	S/C	642	0	11.2	0.0	11.2
40		SATNA-ORAI	S/C	0	1107	0.0	23.5	-23.5
41	**400 kV**	ZERDA-KANKROLI	S/C	147	118	0.2	0.0	0.2
42		ZERDA -BHINMAL	S/C	88	255	0.0	2.7	-2.7
43		V'CHAL -RIHAND	S/C	974	0	18.2	0.0	18.2
44		RAPP-SHUJALPUR	D/C	196	124	0	0	0
45	**220 kV**	BADOD-KOTA	S/C	31	32	0.1	0.3	-0.1
46		BADOD-MORAK	S/C	0	102	0.0	1.3	-1.3
47		MEHGAON-AURAIYA	S/C	123	0	1.5	0.0	1.5
48		MALANPUR-AURAIYA	S/C	65	12	0.5	0.0	0.5
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**38.0**	**169.3**	**-131.3**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	23.7	-23.7
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	0	2351	0.0	42.4	-42.4
53		WARDHA-NIZAMABAD	D/C	0	2092	0.0	36.2	-36.2
54	**400 kV**	KOLHAPUR-KUDGI	D/C	771	0	9.2	0.0	9.2
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	73	0.0	1.2	-1.2
57		XELDEM-AMBEWADI	S/C	1	53	0.9	0.0	0.9
					WR-SR	**10.1**	**103.5**	**-93.4**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**-1.2**
59		NEPAL						**-5.1**
60		BANGLADESH						**-14.4**