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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 11th 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 10.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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** **11-Feb-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	38671	43864	38504	16786	2321	140146
Peak Shortage (MW)	520	0	0	0	33	553
Energy Met (MU)	866	1043	919	342	41	3211
Hydro Gen (MU)	113	23	60	22	4	223
Wind Gen (MU)	8	49	37	----------	----------	94
Solar Gen (MU)*	19.26	26.41	70.43	1.01	0.05	117
Energy Shortage (MU)	11.1	0.2	0.0	0.0	0.4	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41327	52411	39689	18065	2307	149700
	11:23	10:58	09:19	19:26	19:09	09:19

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	0.030	0.00	0.00	1.30	1.30	72.43	26.27

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	5063	0	97.3	37.0	-0.9	90	0.0
	Haryana	5602	0	111.6	72.3	0.7	173	0.0
	Rajasthan	11801	0	227.8	62.5	0.1	321	0.0
	Delhi	3973	0	63.1	59.5	-1.2	212	0.0
	UP	12079	440	252.2	99.0	0.1	288	0.0
	Uttarakhand	2066	0	36.4	22.4	0.3	262	0.0
	HP	1529	0	27.6	22.0	-0.3	99	0.0
	J&K	2233	558	46.4	42.8	-2.2	246	11.1
	Chandigarh	197	0	3.2	3.6	-0.4	-1	0.0
WR	Chhattisgarh	3771	0	82.0	26.4	-2.3	303	0.2
	Gujarat	14581	0	301.0	70.2	0.9	1085	0.0
	MP	12725	0	231.0	115.2	-1.1	488	0.0
	Maharashtra	19065	0	381.5	109.0	3.0	473	0.0
	Goa	498	0	12.3	9.8	1.9	42	0.0
	DD	289	0	6.7	6.6	0.1	22	0.0
	DNH	765	0	18.0	17.7	0.3	49	0.0
	Essar steel	535	0	10.8	10.5	0.3	321	0.0
SR	Andhra Pradesh	7900	0	167.2	67.8	0.5	441	0.0
	Telangana	8960	0	182.5	70.0	0.3	531	0.0
	Karnataka	10911	0	205.1	74.2	-0.1	754	0.0
	Kerala	3263	0	66.6	52.6	0.5	187	0.0
	Tamil Nadu	13178	0	291.0	163.0	-0.7	495	0.0
	Pondy	314	0	6.7	6.9	-0.1	29	0.0
ER	Bihar	4037	0	70.3	65.5	-0.5	460	0.0
	DVC	3073	0	65.3	-40.6	0.1	396	0.0
	Jharkhand	1021	0	22.1	17.0	-1.2	169	0.0
	Odisha	3887	0	72.1	26.4	0.4	267	0.0
	West Bengal	6154	0	111.6	20.1	0.9	309	0.0
	Sikkim	89	0	1.1	1.6	-0.6	18	0.0
NER	Arunachal Pradesh	132	3	2.0	2.5	-0.5	3	0.0
	Assam	1342	21	22.1	17.0	0.4	110	0.3
	Manipur	169	5	2.8	2.7	0.0	46	0.0
	Meghalaya	334	0	6.2	5.3	-0.2	32	0.0
	Mizoram	93	4	1.7	1.5	-0.1	18	0.0
	Nagaland	134	3	2.1	1.9	0.1	24	0.0
	Tripura	218	9	3.8	1.7	0.3	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.3	-6.7	-18.4
Day peak (MW)	81.9	-312.0	-994.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.7	-226.9	125.0	-79.1	5.3	0.0
Actual(MU)	165.0	-223.1	130.9	-77.0	1.0	-3.1
O/D/U/D(MU)	-10.7	3.8	6.0	2.1	-4.3	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4366	15546	5962	870	993	27736
State Sector	10445	16109	7920	3355	50	37879
Total	14811	31655	13882	4225	1042	65615

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	501	1099	505	439	8	2551
Lignite	15	17	51	0	0	83
Hydro	113	23	60	22	4	223
Nuclear	19	31	14	0	0	64
Gas, Naptha & Diesel	19	32	18	0	26	95
RES (Wind, Solar, Biomass & Others)	57	76	149	1	0	282
Total	724	1278	796	462	39	3298

Share of RES in total generation (%)	7.84	5.96	18.67	0.23	0.13	8.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.05	10.20	27.93	5.04	11.65	17.25

H. Diversity Factor

All India Demand Diversity Factor	1.027

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 : **11-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	517	0.0	7.1	-7.1
2		SASARAM-FATEHPUR	S/C	0	275	0.0	3.7	-3.7
3		GAYA-BALIA	S/C	0	272	0.0	4.4	-4.4
4	**HVDC**	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5
6	**400 kV**	PUSAULI-VARANASI	S/C	0	119	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	1.3	-1.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	417	0.0	6.2	-6.2
9		PATNA-BALIA	Q/C	0	845	0.0	15.6	-15.6
10		BIHARSHARIFF-BALIA	D/C	0	254	0.0	4.4	-4.4
11		MOTIHARI-GORAKHPUR	D/C	0	388	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	43	190	0.0	1.7	-1.7
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	150	0.0	2.7	-2.7
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
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	**0.6**	**59.6**	**-59.0**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1172	0	17.1	0.0	17.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	170	549	0.0	3.3	-3.3
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	18	341	0.0	2.7	-2.7
21		RANCHI-SIPAT	D/C	144	99	1.1	0.0	1.1
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	99	0.0	1.5	-1.5
23		BUDHIPADAR-KORBA	D/C	153	0	2.2	0.0	2.2
					ER-WR	**20.4**	**7.5**	**12.9**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1952.0	0.0	34.5	-34.5
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.8	-16.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2259.0	0.0	42.6	-42.6
27	**400 kV**	TALCHER-I/C	D/C	369.0	406.0	1.7	0.0	1.7
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**93.9**	**-93.9**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	348	0	5.5	0.0	6
30		ALIPURDUAR-BONGAIGAON	D/C	454	0	7.8	0.0	8
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	81	0	1.3	0.0	1
					ER-NER	**14.6**	**0.0**	**14.6**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	666	0	16.0	0.0	16.0
					NER-NR	**16.0**	**0.0**	**16.0**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	2003	0.0	28.8	-28.8
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1740	0.0	39.0	-39.0
36	**765 kV**	GWALIOR-AGRA	D/C	0	1970	0.0	28.6	-28.6
37		PHAGI-GWALIOR	D/C	0	754	0.0	11.4	-11.4
38		JABALPUR-ORAI	D/C	284	487	0.0	14.0	-14.0
39		GWALIOR-ORAI	S/C	461	0	4.5	0.0	4.5
40		SATNA-ORAI	S/C	0	1079	0.0	21.1	-21.1
41	**400 kV**	ZERDA-KANKROLI	S/C	176	122	1.1	0.0	1.1
42		ZERDA -BHINMAL	S/C	34	273	0.0	2.4	-2.4
43		V'CHAL -RIHAND	S/C	970	0	19.3	0.0	19.3
44		RAPP-SHUJALPUR	D/C	195	193	0	0	0
45	**220 kV**	BADOD-KOTA	S/C	19	28	0.2	0.4	-0.2
46		BADOD-MORAK	S/C	2	109	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	125	0	2.5	0.0	2.5
48		MALANPUR-AURAIYA	S/C	80	3	0.9	0.0	0.9
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**34.6**	**146.9**	**-112.3**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	20.3	-20.3
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	0	2278	0.0	34.5	-34.5
53		WARDHA-NIZAMABAD	D/C	0	2050	0.0	35.2	-35.2
54	**400 kV**	KOLHAPUR-KUDGI	D/C	632	9	7.2	0.0	7.2
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	98	0.0	1.3	-1.3
57		XELDEM-AMBEWADI	S/C	0	70	0.9	0.0	0.9
					WR-SR	**8.1**	**91.2**	**-83.1**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**-0.3**
59		NEPAL						**-6.7**
60		BANGLADESH						**-18.4**