



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: 9th 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., डोंगतिह, 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 08.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-फरवरी-2019 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 08th 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

9-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41341	45882	42960	16319	2344	148846
Peak Shortage (MW)	701	0	0	0	105	806
Energy Met (MU)	850	1080	993	345	43	3309
Hydro Gen (MU)	116	22	81	24	5	248
Wind Gen (MU)	11	37	23	-----	-----	72
Solar Gen (MU)*	23.02	22.7	67.34	0.55	-----	114
Energy Shortage (MU)	9.0	0.3	0.0	0.0	0.3	9.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42676 19:01	53733 10:19	45502 09:38	17337 19:09	2484 18:24	156477 09:40

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	0.039	0.00	0.09	4.32	4.41	66.09	29.50

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	5068	0	100.2	35.3	-0.8	46	0.0	
	Haryana	6279	0	115.0	73.3	0.5	148	0.0	
	Rajasthan	12328	0	234.3	67.2	-0.3	387	0.0	
	Delhi	4172	0	70.0	64.9	-0.5	244	0.0	
	UP	11784	290	231.0	89.8	-0.3	602	0.0	
	Uttarakhand	1878	0	33.6	21.7	-1.7	94	0.0	
	HP	1385	0	26.2	21.4	-1.3	99	0.0	
	J&K	2271	568	35.9	35.2	-3.0	354	9.0	
	Chandigarh	228	0	3.7	3.8	-0.1	20	0.0	
	WR	Chhattisgarh	3786	0	83.0	29.6	0.1	651	0.3
Gujarat		15167	0	320.1	80.5	2.2	653	0.0	
MP		12357	0	226.3	113.4	-1.1	670	0.0	
Maharashtra		19559	0	400.0	115.2	-0.2	519	0.0	
Goa		498	0	12.3	11.3	0.4	135	0.0	
DD		323	0	7.2	7.2	0.0	84	0.0	
DNH		783	0	18.3	18.1	0.2	119	0.0	
Essar steel		568	0	12.4	13.1	-0.7	331	0.0	
SR		Andhra Pradesh	8300	0	172.9	71.1	1.3	440	0.0
		Telangana	9238	0	188.7	83.4	0.2	605	0.0
	Karnataka	11636	0	229.9	79.9	0.6	494	0.0	
	Kerala	3672	0	74.8	57.3	0.7	215	0.0	
	Tamil Nadu	14817	0	318.9	170.3	0.3	433	0.0	
	Pondy	368	0	7.6	7.7	-0.1	34	0.0	
ER	Bihar	3410	0	55.7	52.9	-1.3	460	0.0	
	DVC	2957	0	61.0	-46.1	-0.2	396	0.0	
	Jharkhand	999	0	20.8	16.1	-0.6	169	0.0	
	Odisha	4127	0	74.9	25.2	1.0	267	0.0	
	West Bengal	6630	0	131.0	22.0	0.2	309	0.0	
	Sikkim	97	0	1.3	1.8	-0.4	18	0.0	
NER	Arunachal Pradesh	117	2	2.3	2.2	0.1	37	0.0	
	Assam	1431	38	23.6	18.8	0.4	102	0.3	
	Manipur	182	3	2.5	2.7	-0.2	42	0.0	
	Meghalaya	351	0	6.4	5.3	-0.1	38	0.0	
	Mizoram	101	2	1.8	1.5	0.2	7	0.0	
	Nagaland	119	4	2.2	1.9	0.2	32	0.0	
	Tripura	239	1	3.7	0.7	0.1	48	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.1	-6.7	-13.7
Day peak (MW)	108.7	-316.0	-838.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.9	-218.5	127.6	-92.0	4.1	0.1
Actual(MU)	165.4	-224.4	139.2	-91.6	4.9	-6.5
O/D/U/D(MU)	-13.5	-5.9	11.7	0.4	0.7	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4424	14036	7202	1220	363	27245
State Sector	11045	14704	8020	3495	50	37314
Total	15469	28740	15222	4715	413	64558

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	478	1141	544	430	9	2603
Lignite	13	17	57	0	0	86
Hydro	116	22	81	24	5	248
Nuclear	19	31	26	0	0	76
Gas, Naptha & Diesel	17	36	18	0	27	98
RES (Wind, Solar, Biomass & Others)	64	62	133	1	0	260
Total	706	1309	860	455	40	3370
Share of RES in total generation (%)	9.06	4.76	15.50	0.13	0.07	7.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.10	8.80	27.97	5.31	12.69	17.31

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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.

INTER-REGIONAL EXCHANGES

Date of Reporting : 9-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	639	0.0	9.4	-9.4		
2		SASARAM-FATEHPUR	S/C	0	419	0.0	6.5	-6.5		
3		GAYA-BALIA	S/C	0	302	0.0	4.5	-4.5		
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0		
5	HVDC	PUSAULI B/B	S/C	0	150	0.0	3.6	-3.6		
6		PUSAULI-VARANASI	S/C	0	123	0.0	2.2	-2.2		
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	1.5	-1.5		
8		MUZAFFARPUR-GORAKHPUR	D/C	0	533	0.0	7.2	-7.2		
9		400 kV	PATNA-BALIA	Q/C	0	944	0.0	15.9	-15.9	
10			BIHARSHARIFF-BALIA	D/C	0	319	0.0	4.6	-4.6	
11			MOTIHARI-GORAKHPUR	D/C	0	361	0.0	6.6	-6.6	
12			BIHARSHARIFF-VARANASI	D/C	0	241	0.0	3.1	-3.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	135	0.0	2.3	-2.3	
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6	
16			KARMANASA-SAHUPURI	S/C	24	0	0.0	0.0	0.0	
17			KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.6	67.4	-66.8	
Import/Export of ER (With WR)										
18		765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1418	0	16.4	0.0	16.4	
19			NEW RANCHI-DHARAMJAIGARH	D/C	0	446	0.0	4.8	-4.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	20	356	0.0	3.8	-3.8		
21		RANCHI-SIPAT	D/C	71	108	0.2	0.0	0.2		
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	85	0.0	1.1	-1.1		
23		BUDHIPADAR-KORBA	D/C	173	0	2.5	0.0	2.5		
						ER-WR	19.2	9.8	9.4	
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1907.0	0.0	31.0	-31.0		
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.0	-16.0		
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	44.9	-44.9		
27	400 kV	TALCHER-I/C	D/C	190.0	271.0	0.0	0.0	0.0		
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0		
						ER-SR	0.0	91.9	-91.9	
Import/Export of ER (With NER)										
29	400 kV	BINAGURI-BONGAIGAON	D/C	265	88	3.1	0.0	3		
30		ALIPURDUAR-BONGAIGAON	D/C	360	13	5.0	0.0	5		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	79	26	0.8	0.0	1		
						ER-NER	8.8	0.0	8.8	
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	656	0	13.9	0.0	13.9		
						NER-NR	13.9	0.0	13.9	
Import/Export of WR (With NR)										
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	38.0	-38.0		
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0		
35		APL -MHG	D/C	0	1924	0.0	40.6	-40.6		
36		765 kV	GWALIOR-AGRA	D/C	0	1627	0.0	24.3	-24.3	
37	PHAGI-GWALIOR		D/C	0	1094	0.0	15.6	-15.6		
38	JABALPUR-ORAI		D/C	0	503	0.0	14.9	-14.9		
39	GWALIOR-ORAI		S/C	582	0	9.3	0.0	9.3		
40	SATNA-ORAI		S/C	0	1119	0.0	22.2	-22.2		
41	400 kV		ZERDA-KANKROLI	S/C	285	65	2.6	0.0	2.6	
42			ZERDA -BHINMAL	S/C	195	212	0.0	0.9	-0.9	
43			V'CHAL -RIHAND	S/C	950	0	18.1	0.0	18.1	
44			RAPP-SHUJALPUR	D/C	273	95	1	0	1	
45	220 kV		BADOD-KOTA	S/C	35	41	0.4	0.2	0.2	
46		BADOD-MORAK	S/C	14	89	0.0	1.0	-1.0		
47		MEHGAON-AURAIYA	S/C	116	0	1.5	0.0	1.5		
48	132kV	MALANPUR-AURAIYA	S/C	76	0	0.8	0.0	0.8		
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
						WR-NR	40.1	157.7	-117.7	
Import/Export of WR (With SR)										
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.1	-23.1		
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0		
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2420	0.0	41.3	-41.3		
53		WARDHA-NIZAMABAD	D/C	0	2149	0.0	38.8	-38.8		
54	400 kV	KOLHAPUR-KUDGI	D/C	634	178	6.5	0.0	6.5		
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0		
56	220 kV	PONDA-AMBEWADI	S/C	0	78	0.0	1.5	-1.5		
57		XELDEM-AMBEWADI	S/C	0	56	1.1	0.0	1.1		
						WR-SR	7.6	104.6	-97.0	
TRANSNATIONAL EXCHANGE										
58		BHUTAN						0.1		
59		NEPAL						-6.7		
60		BANGLADESH						-13.7		