



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: 7th 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 06.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-फ़रवरी-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 06th 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

7-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42075	47072	42018	18168	2494	151827
Peak Shortage (MW)	475	0	0	0	37	512
Energy Met (MU)	918	1117	965	372	43	3415
Hydro Gen (MU)	108	29	82	22	5	247
Wind Gen (MU)	11	53	43	-----	-----	107
Solar Gen (MU)*	22.23	19.86	73.29	0.93	-----	116
Energy Shortage (MU)	11.4	0.0	0.3	0.0	0.2	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44450 11:54	55197 09:38	44550 07:41	19241 19:07	2493 18:04	161119 09:34

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	0.051	0.00	0.89	10.23	11.12	69.70	19.18

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	5313	0	105.8	38.7	-0.8	105	0.0	
	Haryana	6508	0	125.3	76.6	1.0	173	0.0	
	Rajasthan	12209	0	234.3	64.6	-0.4	294	0.0	
	Delhi	4097	0	69.1	63.4	0.3	326	0.0	
	UP	12236	0	259.3	103.0	-0.4	192	0.3	
	Uttarakhand	2152	0	39.8	25.7	1.2	224	0.1	
	HP	1679	0	29.7	24.1	0.3	137	0.0	
	J&K	2385	596	51.0	43.4	-3.0	213	11.0	
	Chandigarh	230	0	3.6	3.6	0.0	22	0.0	
	WR	Chhattisgarh	3719	0	81.0	27.6	-0.3	479	0.0
Gujarat		15025	0	327.1	77.3	1.5	557	0.0	
MP		13375	0	236.5	116.0	-0.9	461	0.0	
Maharashtra		20642	0	424.1	125.5	-1.4	873	0.0	
Goa		498	0	12.3	11.6	0.2	42	0.0	
DD		327	0	7.4	7.3	0.2	92	0.0	
DNH		798	0	18.3	18.0	0.3	82	0.0	
Essar steel		507	0	10.7	10.9	-0.2	247	0.0	
SR		Andhra Pradesh	8109	0	165.9	60.5	-0.2	776	0.0
		Telangana	8994	0	183.6	74.2	0.6	376	0.0
	Karnataka	11540	0	223.4	82.3	0.4	837	0.0	
	Kerala	3700	0	74.5	53.9	0.9	167	0.3	
	Tamil Nadu	14594	0	310.3	160.2	-1.0	577	0.0	
	Pondy	360	0	7.3	7.5	-0.1	32	0.0	
ER	Bihar	4149	0	75.0	71.6	0.0	460	0.0	
	DVC	3091	0	64.6	-47.5	0.3	396	0.0	
	Jharkhand	1097	0	23.7	17.4	0.1	169	0.0	
	Odisha	3964	0	74.8	24.8	0.1	267	0.0	
	West Bengal	7126	0	132.3	25.8	1.5	309	0.0	
NER	Sikkim	100	0	1.5	1.8	-0.4	18	0.0	
	Arunachal Pradesh	119	2	2.2	2.2	0.0	19	0.0	
	Assam	1432	22	23.7	19.4	0.7	149	0.1	
	Manipur	194	3	2.9	2.8	0.1	25	0.0	
	Meghalaya	343	0	6.2	5.4	0.0	64	0.0	
	Mizoram	102	2	1.8	1.6	0.1	10	0.0	
	Nagaland	122	4	2.2	2.0	0.2	14	0.0	
	Tripura	236	1	3.9	1.8	0.3	31	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.6	-7.1	-16.3
Day peak (MW)	28.5	-323.0	-838.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	191.1	-226.3	112.9	-82.4	4.8	0.1
Actual(MU)	188.5	-233.7	112.4	-80.7	6.5	-7.0
O/D/U/D(MU)	-2.6	-7.4	-0.5	1.7	1.8	-7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4424	15839	5892	1220	353	27728
State Sector	10445	15981	8520	3495	50	38491
Total	14869	31820	14412	4715	403	66219

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	525	1172	509	458	9	2673
Lignite	13	16	53	0	0	81
Hydro	108	29	82	22	5	247
Nuclear	22	31	35	0	0	88
Gas, Naptha & Diesel	20	35	18	0	26	100
RES (Wind, Solar, Biomass & Others)	70	76	159	1	0	305
Total	758	1359	856	482	41	3495

Share of RES in total generation (%)	9.18	5.56	18.62	0.20	0.10	8.74
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.34	10.01	32.27	4.86	12.83	18.32

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 7-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	859	0.0	11.6	-11.6	
2		SASARAM-FATEHPUR	S/C	0	390	0.0	5.0	-5.0	
3		GAYA-BALIA	S/C	0	418	0.0	6.4	-6.4	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.5	-3.5	
6		PUSAULI-VARANASI	S/C	0	113	0.0	1.8	-1.8	
7		PUSAULI -ALLAHABAD	S/C	0	106	0.0	1.6	-1.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	500	0.0	5.9	-5.9	
9		PATNA-BALIA	Q/C	0	943	0.0	16.8	-16.8	
10		BIHARSHARIFF-BALIA	D/C	0	339	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	0	399	0.0	7.1	-7.1	
12		BIHARSHARIFF-VARANASI	D/C	31	283	0.0	2.6	-2.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	155	0.0	2.8	-2.8	
14		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	132 kV	KARMANASA-SAHUPURI	S/C	44	0	0.7	0.0	0.7	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.2	70.1	-68.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	989	0	12.9	0.0	12.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	331	324	0.0	0.7	-0.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	344	0.0	3.3	-3.3	
21		RANCHI-SIPAT	D/C	178	72	1.3	0.0	1.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	96	0.0	1.3	-1.3	
23		BUDHIPADAR-KORBA	D/C	130	18	1.5	0.0	1.5	
ER-WR						15.8	5.2	10.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1761.0	0.0	35.2	-35.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1179.0	0.0	25.9	-25.9	
27	400 kV	TALCHER-I/C	D/C	297.0	0.0	18.4	0.0	18.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	77.1	-77.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	219	134	2.3	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	314	64	4.3	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	59	38	0.7	0.0	1	
ER-NER						7.3	0.0	7.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	658	0	14.2	0.0	14.2	
NER-NR						14.2	0.0	14.2	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1693	0.0	30.6	-30.6	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1738	0.0	43.6	-43.6	
36		GWALIOR-AGRA	D/C	0	1007	0.0	35.6	-35.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	1241	0.0	17.2	-17.2	
38		JABALPUR-ORAI	D/C	0	680	0.0	22.8	-22.8	
39		GWALIOR-ORAI	S/C	846	0	12.8	0.0	12.8	
40		SATNA-ORAI	S/C	0	1467	0.0	27.6	-27.6	
41		400 kV	ZERDA-KANKROLI	S/C	183	107	0.4	0.0	0.4
42			ZERDA -BHINMAL	S/C	105	258	0.0	2.4	-2.4
43	V'CHAL -RIHAND		S/C	977	0	20.4	0.0	20.4	
44	RAPP-SHUJALPUR		D/C	226	141	0	0	0	
45	220 kV	BADOD-KOTA	S/C	13	35	0.2	0.4	-0.2	
46		BADOD-MORAK	S/C	13	91	0.0	1.1	-1.1	
47		MEHGAON-AURAIYA	S/C	115	15	1.3	0.0	1.3	
48	132kV	MALANPUR-AURAIYA	S/C	67	23	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.1	181.1	-139.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	992	0.0	22.5	-22.5	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2052	0.0	33.3	-33.3	
53		WARDHA-NIZAMABAD	D/C	0	2061	0.0	38.2	-38.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	849	0	11.3	0.0	11.3	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	72	0.0	1.4	-1.4	
57		XELDEM-AMBEWADI	S/C	0	52	1.0	0.0	1.0	
WR-SR						12.3	95.3	-83.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						-0.6	
59		NEPAL						-7.1	
60		BANGLADESH						-16.3	