



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: 4th 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 03.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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

4-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42261	44989	38621	17186	2404	145461
Peak Shortage (MW)	544	0	0	0	41	585
Energy Met (MU)	899	1066	885	355	42	3246
Hydro Gen (MU)	116	24	58	24	5	227
Wind Gen (MU)	17	73	54	-----	-----	143
Solar Gen (MU)*	22.76	19	76.11	0.90	-----	119
Energy Shortage (MU)	12.8	0.6	0.0	0.0	0.3	13.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44261 11:16	53265 10:40	40899 09:25	18414 19:26	2340 18:01	153546 09:29

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	0.059	0.00	3.06	9.27	12.33	71.68	16.00

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	5269	0	101.5	39.1	-1.1	34	0.0	
	Haryana	6156	0	118.2	74.1	0.5	168	0.0	
	Rajasthan	12307	460	232.0	63.7	-0.2	360	0.0	
	Delhi	4194	0	67.0	57.7	-1.0	229	0.0	
	UP	13123	0	264.3	108.7	-0.1	137	1.3	
	Uttarakhand	1936	0	36.6	23.5	0.2	185	0.0	
	HP	1583	0	27.4	22.6	-0.6	95	0.0	
	J&K	2442	611	48.9	44.4	-1.8	249	11.5	
WR	Chandigarh	208	0	3.3	3.6	-0.3	10	0.0	
	Chhattisgarh	3549	0	79.0	28.4	0.4	260	0.6	
	Gujarat	14873	0	312.3	76.1	1.3	573	0.0	
	MP	12806	0	235.3	121.8	-2.7	492	0.0	
	Maharashtra	19182	0	392.4	113.0	1.7	586	0.0	
	Goa	536	0	11.9	9.6	1.7	48	0.0	
	DD	293	0	6.7	6.5	0.2	28	0.0	
	DNH	760	0	17.8	17.6	0.2	42	0.0	
SR	Essar steel	511	0	10.5	10.3	0.2	257	0.0	
	Andhra Pradesh	7645	0	159.1	67.3	0.7	364	0.0	
	Telangana	8887	0	172.1	60.5	0.1	462	0.0	
	Karnataka	10734	0	200.4	65.4	-0.6	496	0.0	
	Kerala	3261	0	64.3	48.6	0.8	156	0.0	
	Tamil Nadu	13065	0	282.4	142.0	-1.3	448	0.0	
	Pondy	313	0	6.5	6.7	-0.3	36	0.0	
	ER	Bihar	4128	0	74.0	69.1	-0.2	460	0.0
DVC		3006	0	63.8	-43.7	0.1	396	0.0	
Jharkhand		1000	0	23.4	17.2	-0.5	169	0.0	
Odisha		3964	0	73.3	22.2	0.3	267	0.0	
West Bengal		6419	0	119.8	21.3	0.5	309	0.0	
Sikkim		95	0	1.2	1.2	0.1	18	0.0	
NER		Arunachal Pradesh	121	2	2.2	2.5	-0.3	25	0.0
		Assam	1352	25	22.6	16.9	1.1	93	0.3
	Manipur	197	2	2.9	2.8	0.1	17	0.0	
	Meghalaya	355	0	6.2	4.8	0.0	40	0.0	
	Mizoram	97	3	2.0	1.5	0.3	28	0.0	
	Nagaland	148	2	2.2	1.9	0.2	48	0.0	
	Tripura	218	1	3.6	1.9	0.1	36	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.6	-6.7	-16.0
Day peak (MW)	61.1	-314.0	-845.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	176.2	-215.5	117.6	-81.3	3.1	0.1
Actual(MU)	174.8	-216.2	109.5	-74.5	4.2	-2.1
O/D/U/D(MU)	-1.4	-0.7	-8.1	6.8	1.2	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3104	15821	6852	1970	328	28074
State Sector	11245	17161	9930	3865	50	42251
Total	14349	32982	16782	5835	378	70325

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	506	1090	448	433	9	2485
Lignite	17	15	46	0	0	78
Hydro	116	24	58	24	5	227
Nuclear	19	31	36	0	0	86
Gas, Naptha & Diesel	24	35	18	0	27	104
RES (Wind, Solar, Biomass & Others)	70	94	170	1	0	335
Total	751	1289	776	458	41	3315
Share of RES in total generation (%)	9.30	7.30	21.97	0.21	0.10	10.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.26	11.55	34.08	5.47	13.05	19.56

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 4-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	846	0.0	11.9	-11.9	
2		SASARAM-FATEHPUR	S/C	0	263	0.0	3.2	-3.2	
3		GAYA-BALIA	S/C	0	423	0.0	6.7	-6.7	
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	140	0.0	2.7	-2.7	
7		PUSAULI -ALLAHABAD	S/C	0	78	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	609	0.0	7.6	-7.6	
9		PATNA-BALIA	Q/C	0	910	0.0	17.2	-17.2	
10		BIHARSHARIFF-BALIA	D/C	0	352	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	0	379	0.0	7.0	-7.0	
12		BIHARSHARIFF-VARANASI	D/C	11	241	0.0	2.6	-2.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	155	0.0	2.8	-2.8	
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	36	0	0.7	0.0	0.7	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.1	70.8	-69.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	755	131	8.1	0.0	8.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	208	430	0.0	2.8	-2.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1	397	0.0	4.1	-4.1	
21		RANCHI-SIPAT	D/C	116	115	0.2	0.0	0.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	111	0.0	1.4	-1.4	
23		BUDHIPADAR-KORBA	D/C	76	33	0.6	0.0	0.6	
ER-WR						9.0	8.3	0.7	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1916.0	0.0	37.4	-37.4	
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	15.0	0.0	0.0	0.0	0.0	
27	400 kV	TALCHER-I/C	D/C	641.0	0.0	32.3	0.0	32.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	53.4	-53.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	307	0	4.1	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	432	0	6.6	0.0	7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	73	13	0.8	0.0	1	
ER-NER						11.5	0.0	11.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	663	0	16.4	0.0	16.4	
NER-NR						16.4	0.0	16.4	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1951	0.0	31.9	-31.9	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1554	0.0	37.0	-37.0	
36	765 kV	GWALIOR-AGRA	D/C	0	1348	0.0	28.2	-28.2	
37		PHAGI-GWALIOR	D/C	0	1424	0.0	20.7	-20.7	
38		JABALPUR-ORAI	D/C	0	634	0.0	19.3	-19.3	
39		GWALIOR-ORAI	S/C	604	0	9.4	0.0	9.4	
40		SATNA-ORAI	S/C	0	1178	0.0	24.2	-24.2	
41		400 kV	ZERDA-KANKROLI	S/C	138	85	0.7	0.0	0.7
42			ZERDA -BHINMAL	S/C	56	236	0.0	2.3	-2.3
43	V'CHAL -RIHAND		S/C	968	0	20.2	0.0	20.2	
44	RAPP-SHUJALPUR		D/C	188	64	1	0	1	
45	220 kV	BADOD-KOTA	S/C	33	9	0.3	0.1	0.2	
46		BADOD-MORAK	S/C	0	78	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	106	0	1.5	0.0	1.5	
48	132kV	MALANPUR-AURAIYA	S/C	67	13	0.6	0.0	0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.5	164.6	-125.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	21.9	-21.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2427	0.0	40.7	-40.7	
53		WARDHA-NIZAMABAD	D/C	0	1951	0.0	36.2	-36.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	562	0	7.8	0.0	7.8	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	65	0.0	1.2	-1.2	
57		XELDEM-AMBEWADI	S/C	0	46	0.9	0.0	0.9	
WR-SR						8.7	100.0	-91.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						-0.6	
59		NEPAL						-6.7	
60		BANGLADESH						-16.0	