



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: 01st Mar 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 28.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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

28-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43815	47425	45421	15670	2286	154617
Peak Shortage (MW)	1033	0	0	0	119	1152
Energy Met (MU)	897	1114	1080	335	38	3464
Hydro Gen (MU)	145	22	79	28	3	277
Wind Gen (MU)	8	43	37	-----	-----	88
Solar Gen (MU)*	29.20	0.00	76.98	0.93	0.02	107
Energy Shortage (MU)	11.5	0.0	0.0	0.0	0.1	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44962 19:19	53281 09:48	47368 12:34	17727 19:29	2323 18:18	159059 19:14

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	1.00	1.00	65.65	33.36

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	5543	0	105.8	41.3	-1.7	91	0.0
	Haryana	6306	0	124.1	91.1	0.5	257	0.0
	Rajasthan	11339	0	229.7	76.9	-0.2	374	0.0
	Delhi	3824	0	64.1	61.2	-1.0	179	0.0
	UP	14103	0	254.4	102.7	1.5	598	0.0
	Uttarakhand	1920	0	36.6	26.0	-0.5	81	0.0
	HP	1634	0	30.5	22.2	1.0	155	0.1
	J&K	2488	622	48.5	41.9	-1.2	308	11.5
WR	Chandigarh	220	0	3.4	3.7	-0.3	33	0.0
	Chhattisgarh	4090	0	93.2	36.9	-0.1	190	0.0
	Gujarat	14694	0	321.3	90.8	2.6	860	0.0
	MP	11725	0	218.3	104.4	-1.5	496	0.0
	Maharashtra	20726	0	430.4	129.3	0.3	563	0.0
	Goa	470	0	12.2	8.9	2.7	69	0.0
	DD	310	0	7.2	6.9	0.2	73	0.0
	DNH	775	0	18.3	18.4	-0.1	116	0.0
	Essar steel	634	0	13.5	14.5	-1.0	342	0.0
	SR	Andhra Pradesh	8690	0	196.8	96.4	1.0	498
Telangana		9847	0	215.5	100.7	0.7	496	0.0
Karnataka		12012	0	246.3	83.9	-0.5	408	0.0
Kerala		3845	0	77.8	60.8	0.9	200	0.0
Tamil Nadu		15562	0	335.5	176.2	0.5	492	0.0
Pondy		399	0	8.1	8.1	0.0	50	0.0
ER	Bihar	3914	0	63.8	60.1	0.4	460	0.0
	DVC	3057	0	63.7	-50.1	-0.1	396	0.0
	Jharkhand	1000	0	20.7	17.2	-0.1	169	0.0
	Odisha	3865	0	75.9	23.4	1.5	267	0.0
	West Bengal	6126	0	109.3	17.9	-1.8	309	0.0
	Sikkim	97	0	1.2	1.6	-0.3	18	0.0
NER	Arunachal Pradesh	122	2	2.3	2.6	-0.3	15	0.0
	Assam	1397	7	19.8	17.8	-0.6	112	0.0
	Manipur	193	2	2.7	2.7	0.0	35	0.0
	Meghalaya	375	0	6.6	5.4	-0.2	68	0.0
	Mizoram	97	3	1.8	1.6	0.1	19	0.0
	Nagaland	107	3	2.0	1.9	0.1	26	0.0
	Tripura	205	9	2.8	1.9	-0.9	85	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.4	-6.7	-16.6
Day peak (MW)	57.2	-304.0	-982.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	186.8	-254.7	160.0	-96.4	4.6	0.3
Actual(MU)	185.3	-271.0	164.9	-88.1	4.3	-4.7
O/D/U/D(MU)	-1.5	-16.4	4.9	8.3	-0.4	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4281	11576	5402	2940	571	24770
State Sector	11840	16077	8430	3365	50	39762
Total	16121	27653	13832	6305	621	64531

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	459	1199	584	436	7	2685
Lignite	17	17	47	0	0	81
Hydro	145	22	79	28	3	277
Nuclear	27	31	36	0	0	94
Gas, Naptha & Diesel	17	38	18	0	28	101
RES (Wind, Solar, Biomass & Others)	68	74	162	1	0	305
Total	732	1382	926	465	39	3543

Share of RES in total generation (%)	9.28	5.36	17.48	0.21	0.05	8.60
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.76	9.24	29.88	6.19	7.47	19.07

H. Diversity Factor

All India Demand Diversity Factor	1.042
-----------------------------------	-------

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 : 1-Mar-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	473	0.0	7.7	-7.7
2		SASARAM-FATEHPUR	S/C	0	331	0.0	4.3	-4.3
3		GAYA-BALIA	S/C	0	587	0.0	9.7	-9.7
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	122	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	635	0.0	10.3	-10.3
9		PATNA-BALIA	Q/C	0	804	0.0	13.1	-13.1
10		BIHARSHARIFF-BALIA	D/C	0	413	0.0	7.9	-7.9
11		MOTIHARI-GORAKHPUR	D/C	0	314	0.0	4.9	-4.9
12		BIHARSHARIFF-VARANASI	D/C	20	255	0.0	3.5	-3.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.6	-2.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
ER-NR						0.5	71.0	-70.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1598	0	30.5	0.0	30.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	447	244	2.0	0.0	2.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	31	352	0.0	3.8	-3.8
21		RANCHI-SIPAT	D/C	199	56	1.5	0.0	1.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	102	0.0	1.6	-1.6
23		BUDHIPADAR-KORBA	D/C	143	0	2.5	0.0	2.5
ER-WR						36.5	5.4	31.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1977.0	0.0	40.7	-40.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	788.0	0.0	15.8	-15.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2453.0	0.0	52.2	-52.2
27	400 kV	TALCHER-I/C	D/C	0.0	524.0	0.0	7.4	-7.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	108.7	-108.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	336	32	4.3	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	455	0	6.3	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	71	40	0.5	0.0	1
ER-NER						11.1	0.0	11.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	16.1	0.0	16.1
NER-NR						16.1	0.0	16.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2492	0.0	47.9	-47.9
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1365	0.0	27.6	-27.6
36	765 kV	GWALIOR-AGRA	D/C	0	2510	0.0	44.9	-44.9
37		PHAGI-GWALIOR	D/C	0	1312	0.0	22.9	-22.9
38		JABALPUR-ORAI	D/C	0	761	0.0	24.7	-24.7
39		GWALIOR-ORAI	S/C	0	0	0.0	0.0	0.0
40		SATNA-ORAI	S/C	638	0	0.5	0.0	0.5
41		CHITORGARH-BANASKANTHA	D/C	351	0	0.6	0.0	0.6
42		ZERDA-KANKROLI	S/C	75	144	0.0	0.8	-0.8
43	400 kV	ZERDA -BHINMAL	S/C	14	378	0.0	4.1	-4.1
44		V'CHAL -RIHAND	S/C	972	0	19.8	0.0	19.8
45		RAPP-SHUJALPUR	D/C	39	314	0	2	-2
46	220 kV	BADOD-KOTA	S/C	24	49	0.0	1.0	-1.0
47		BADOD-MORAK	S/C	0	119	0.0	1.6	-1.6
48		MEHGAON-AURAIYA	S/C	63	8	0.6	0.0	0.6
49	MALANPUR-AURAIYA	S/C	35	31	0.2	0.1	0.0	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						27.8	177.2	-149.5
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2509	0.0	46.3	-46.3
54		WARDHA-NIZAMABAD	D/C	0	0	0.0	0.0	0.0
55	400 kV	KOLHAPUR-KUDGI	D/C	864	0	12.8	0.0	12.8
56	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	0	63	1.2	0.0	1.2
WR-SR						14.0	70.2	-56.2
TRANSNATIONAL EXCHANGE								
59		BHUTAN						1.4
60		NEPAL						-6.7
61		BANGLADESH						-16.6