



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: 04th Jan 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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 03.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-जनवरी-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 January 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-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45758	47824	41563	16750	2432	154327
Peak Shortage (MW)	1203	0	33	0	29	1265
Energy Met (MU)	953	1115	906	356	40	3370
Hydro Gen (MU)	115	32	76	30	9	261
Wind Gen (MU)	12	22	45	-----	-----	79
Solar Gen (MU)*	19.47	20.77	74.22	0.85	0.04	115
Energy Shortage (MU)	15.3	0.6	0.0	0.0	0.3	16.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46725 18:00	54798 10:42	43199 08:13	18320 19:01	2480 17:27	159434 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	0.087	0.50	4.09	17.79	22.37	62.30	15.32

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	5555	0	103.8	28.8	-0.6	112	0.0
	Haryana	6609	212	127.2	56.5	0.0	118	0.5
	Rajasthan	12734	0	239.9	56.2	-0.5	265	0.0
	Delhi	4241	0	68.3	53.4	0.5	269	0.0
	UP	13616	150	291.4	117.9	0.5	196	2.1
	Uttarakhand	2036	0	38.5	23.2	0.8	206	0.7
	HP	1633	0	30.1	24.6	0.1	141	0.1
WR	J&K	2516	629	50.6	44.0	1.7	425	11.9
	Chandigarh	239	0	3.7	3.7	0.0	37	0.0
	Chhattisgarh	3547	0	76.8	19.1	-1.0	734	0.6
	Gujarat	15337	0	323.1	89.3	4.1	836	0.0
	MP	13992	0	258.9	151.3	-0.9	531	0.0
	Maharashtra	20800	0	413.8	111.5	-0.8	760	0.0
	Goa	451	0	8.8	8.7	-0.5	53	0.0
	DD	311	0	6.9	6.7	0.2	71	0.0
	DNH	732	0	17.1	17.0	0.2	38	0.0
	Essar steel	502	0	9.8	10.0	-0.3	268	0.0
SR	Andhra Pradesh	7925	0	163.1	64.9	0.4	527	0.0
	Telangana	9238	0	183.6	79.9	0.3	851	0.0
	Karnataka	10831	0	204.2	73.6	-0.8	511	0.0
	Kerala	3224	0	59.5	52.9	-0.5	132	0.0
	Tamil Nadu	14123	0	287.9	136.1	-0.1	425	0.0
	Pondy	374	0	7.4	7.5	-0.1	54	0.0
ER	Bihar	4279	0	77.4	71.9	1.1	460	0.0
	DVC	2955	0	62.4	-37.1	1.2	396	0.0
	Jharkhand	1015	0	24.6	18.0	0.6	169	0.0
	Odisha	4019	0	80.7	27.8	-0.4	267	0.0
	West Bengal	6320	0	109.7	22.9	0.2	309	0.0
	Sikkim	100	0	1.5	1.8	-0.3	18	0.0
NER	Arunachal Pradesh	110	2	2.2	1.7	0.5	79	0.0
	Assam	1410	15	21.8	16.7	0.5	177	0.2
	Manipur	165	2	2.4	2.8	-0.4	40	0.0
	Meghalaya	346	0	6.9	5.6	-0.2	200	0.0
	Mizoram	100	2	1.3	1.1	-0.3	17	0.0
	Nagaland	120	3	2.0	1.8	0.0	25	0.0
	Tripura	222	1	3.3	0.6	0.7	125	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-7.1	-14.5
Day peak (MW)	122.9	-319.0	-797.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.1	-196.4	98.3	-74.0	5.0	0.0
Actual(MU)	169.5	-199.1	92.0	-68.5	3.5	-2.6
O/D/U/D(MU)	2.4	-2.7	-6.2	5.5	-1.5	-2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5514	15046	7002	1895	381	29838
State Sector	10510	13909	10200	4845	50	39514
Total	16024	28955	17202	6740	431	69351

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	558	1173	477	429	5	2642
Lignite	21	19	59	0	0	99
Hydro	115	32	76	30	9	261
Nuclear	24	29	32	0	0	85
Gas, Naptha & Diesel	29	41	20	0	25	116
RES (Wind, Solar, Biomass & Others)	58	44	155	1	0	258
Total	805	1339	818	460	39	3461

Share of RES in total generation (%)	7.21	3.32	18.90	0.19	0.10	7.46
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.48	7.91	32.03	6.67	22.36	17.46

H. Diversity Factor

All India Demand Diversity Factor	1.038
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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-Jan-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	688	0.0	9.3	-9.3
2		SASARAM-FATEHPUR	S/C	119	186	0.0	0.7	-0.7
3		GAYA-BALIA	S/C	0	548	0.0	10.6	-10.6
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	2	149	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	131	0.0	2.4	-2.4
7		PUSAULI -ALLAHABAD	S/C	0	84	0.0	1.0	-1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	604	0.0	6.9	-6.9
9		PATNA-BALIA	Q/C	0	1255	0.0	25.1	-25.1
10		BIHARSHARIFF-BALIA	D/C	0	528	0.0	9.5	-9.5
11		MOTIHARI-GORAKHPUR	D/C	0	337	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	93	184	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.5	-2.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.7	0.0	0.7
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						0.7	78.9	-78.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1285	0	20.6	0.0	20.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	604	0	9.2	0.0	9.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	97	55	1.5	0.0	1.5
21		RANCHI-SIPAT	D/C	253	0	3.8	0.0	3.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	135	0.0	2.2	-2.2
23		BUDHIPADAR-KORBA	D/C	145	0	2.1	0.0	2.1
ER-WR						37.1	2.2	34.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1144.0	0.0	17.8	-17.8
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	1976.0	0.0	43.3	-43.3
27	400 kV	TALCHER-I/C	D/C	0.0	595.0	1.4	0.0	1.4
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	157	136	1.1	0.0	1
30		ALIPURDUAR-BONGAIGAON	D/C	245	61	2.9	0.0	3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	31	59	0.0	0.0	0
ER-NER						4.0	0.0	4.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	472	0	11.9	0.0	11.9
NER-NR						11.9	0.0	11.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	603	0.0	14.3	-14.3
34		V'CHAL B/B	D/C	242	2	6.0	0.0	6.0
35		APL -MHG	D/C	0	1175	0.0	19.4	-19.4
36		GWALIOR-AGRA	D/C	0	1234	0.0	45.3	-45.3
37	765 kV	PHAGI-GWALIOR	D/C	0	999	0.0	11.4	-11.4
38		JABALPUR-ORAI	D/C	0	811	0.0	27.3	-27.3
39		GWALIOR-ORAI	S/C	591	0	9.4	0.0	9.4
40		SATNA-ORAI	S/C	0	1338	0.0	28.1	-28.1
41		ZERDA-KANKROLI	S/C	170	171	0.0	0.2	-0.2
42	400 kV	ZERDA -BHINMAL	S/C	156	373	0.0	3.2	-3.2
43		V'CHAL -RIHAND	S/C	986	0	21.0	0.0	21.0
44		RAPP-SHUJALPUR	D/C	379	169	1	0	1
45	220 kV	BADOD-KOTA	S/C	32	56	0.8	0.1	0.8
46		BADOD-MORAK	S/C	24	153	0.0	1.5	-1.5
47		MEHGAON-AURAIYA	S/C	85	0	1.1	0.0	1.1
48		MALANPUR-AURAIYA	S/C	32	29	0.2	0.1	0.1
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.1	150.9	-110.8
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	222	1826	0.0	23.6	-23.6
53		WARDHA-NIZAMABAD	D/C	0	1927	0.0	27.1	-27.1
54	400 kV	KOLHAPUR-KUDGI	D/C	964	0	12.7	0.0	12.7
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	66	1.1	0.0	1.1
WR-SR						13.9	74.4	-60.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.7
59		NEPAL						-7.1
60		BANGLADESH						-14.5