



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: 2nd Dec 2018

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, लापालंग, 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 01.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-दिसम्बर-2018 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 1st December 2018, 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

2-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42644	47768	39746	17896	2413	150467
Peak Shortage (MW)	529	0	0	100	85	714
Energy Met (MU)	911	1128	892	347	43	3322
Hydro Gen (MU)	115	27	67	33	8	250
Wind Gen (MU)	3	27	37	-----	-----	67
Solar Gen (MU)*	20.60	16.6	70.33	0.75	0.04	108
Energy Shortage (MU)	10.7	0.0	0.0	0.3	0.6	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43118 07:49	53510 10:27	40526 07:52	18093 18:48	2457 18:02	153354 18:24

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	0.033	0.00	0.00	8.75	8.75	82.66	8.59

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	5791	0	126.2	40.2	0.2	219	0.0	
	Haryana	6339	0	125.4	64.8	4.3	289	0.0	
	Rajasthan	11736	0	228.9	81.5	1.2	511	0.0	
	Delhi	3290	0	59.8	43.8	0.5	197	0.0	
	UP	12901	0	260.4	103.9	0.1	214	0.0	
	Uttarakhand	1860	0	35.2	23.6	0.4	181	0.0	
	HP	1486	0	27.1	19.8	-0.2	101	0.0	
	J&K	2302	576	45.0	37.6	-0.4	-	10.7	
	Chandigarh	183	0	3.1	3.3	-0.2	27	0.0	
	WR	Chhattisgarh	3507	0	75.6	11.1	-1.4	196	0.0
Gujarat		14883	0	327.4	125.7	1.1	606	0.0	
MP		13192	0	257.3	145.3	-1.9	877	0.0	
Maharashtra		21097	0	425.3	106.9	-0.9	436	0.0	
Goa		483	0	9.8	9.4	-0.1	53	0.0	
DD		290	0	6.6	6.2	0.4	34	0.0	
DNH		675	0	15.4	14.9	0.4	93	0.0	
Essar steel		519	0	11.0	10.8	0.2	-	0.0	
SR		Andhra Pradesh	8010	0	172.5	68.2	0.3	496	0.0
		Telangana	7965	0	166.7	69.2	2.8	441	0.0
	Karnataka	11023	0	209.4	76.0	-0.2	419	0.0	
	Kerala	3595	0	71.7	57.3	1.5	276	0.0	
	Tamil Nadu	12939	0	265.6	116.1	-1.0	415	0.0	
	Pondy	317	0	6.6	7.0	-0.4	13	0.0	
	ER	Bihar	3927	0	72.4	64.0	5.7	460	0.0
DVC		2740	0	57.9	-29.5	1.2	396	0.0	
Jharkhand		1107	100	23.8	13.6	-0.5	169	0.3	
Odisha		4217	0	82.8	37.6	2.9	267	0.0	
West Bengal		6396	0	108.9	20.6	1.1	309	0.0	
Sikkim		100	0	1.4	1.7	-0.3	18	0.0	
NER	Arunachal Pradesh	120	2	2.3	2.0	0.3	60	0.0	
	Assam	1430	70	24.6	18.7	1.6	80	0.5	
	Manipur	191	3	2.7	2.9	-0.2	21	0.0	
	Meghalaya	341	0	6.3	4.8	0.0	25	0.0	
	Mizoram	94	2	1.5	0.7	0.3	34	0.0	
	Nagaland	122	3	2.1	1.7	0.3	25	0.0	
	Tripura	218	1	3.8	1.4	0.1	41	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.6	-3.2	-11.1
Day peak (MW)	262.1	-150.0	-579.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.3	-177.2	86.4	-81.5	4.9	0.0
Actual(MU)	159.7	-172.7	87.4	-74.1	5.4	5.7
O/D/U/D(MU)	-7.7	4.4	1.0	7.4	0.5	5.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4674	16740	7382	1260	237	30293
State Sector	12445	12563	8680	5455	50	39193
Total	17119	29303	16062	6715	287	69486

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	515	1183	484	409	10	2600
Lignite	23	16	55	0	0	94
Hydro	115	27	67	33	8	250
Nuclear	25	19	36	0	0	79
Gas, Naptha & Diesel	29	37	24	0	24	114
RES (Wind, Solar, Biomass & Others)	58	44	147	1	0	251
Total	765	1327	811	443	42	3388

Share of RES in total generation (%)	7.62	3.35	18.10	0.18	0.10	7.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.89	6.85	30.69	7.69	18.80	17.12

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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 : 2-Dec-18

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	527	0.0	7.1	-7.1	
2		SASARAM-FATEHPUR	S/C	0	246	0.0	3.4	-3.4	
3		GAYA-BALIA	S/C	0	280	0.0	5.3	-5.3	
4		ALIPURDUAR-AGRA	-	0	350	0.0	6.3	-6.3	
5	HVDC	PUSAULI B/B	S/C	3	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	41	5	0.4	0.0	0.4	
7		PUSAULI -ALLAHABAD	S/C	71	29	0.7	0.0	0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	92	289	0.0	2.0	-2.0	
9		PATNA-BALIA	Q/C	0	548	0.0	10.2	-10.2	
10		BIHARSHARIFF-BALIA	D/C	0	112	0.0	3.8	-3.8	
11		MOTIHARI-GORAKHPUR	D/C	0	256	0.0	4.9	-4.9	
12		BIHARSHARIFF-VARANASI	D/C	112	107	0.0	0.3	-0.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	0.0	3.0	-3.0	
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						1.8	46.0	-44.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1464	0	16.9	0.0	16.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	282	340	0.8	0.0	0.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	243	73	1.9	0.0	1.9	
21		RANCHI-SIPAT	D/C	203	2	2.8	0.0	2.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	13	63	0.0	0.7	-0.7	
23		BUDHIPADAR-KORBA	D/C	206	0	3.6	0.0	3.6	
ER-WR						25.9	0.7	25.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1692.0	0.0	28.0	-28.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	623.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	40.7	-40.7	
27	400 kV	TALCHER-I/C	D/C	54.0	601.0	4.3	0.0	4.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	83.3	-83.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	451	0.0	7.3	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	0	302	0.0	4.7	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	153	0.0	2.4	-2	
ER-NER						0.0	14.5	-14.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	10.3	-10.3	
NER-NR						0.0	10.3	-10.3	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	23.6	-23.6	
34		V'CHAL B/B	D/C	240	0	3.4	0.0	3.4	
35		APL -MHG	D/C	0	785	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	0	807	0.0	31.2	-31.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1526	0.0	26.8	-26.8	
38		JABALPUR-ORAI	D/C	30	404	0.0	11.2	-11.2	
39		GWALIOR-ORAI	S/C	557	0	9.1	0.0	9.1	
40		SATNA-ORAI	S/C	0	1697	0.0	36.1	-36.1	
41		400 kV	ZERDA-KANKROLI	S/C	203	69	2.2	0.0	2.2
42			ZERDA -BHINMAL	S/C	62	284	0.0	1.7	-1.7
43			V'CHAL -RIHAND	S/C	995	0	23.3	0.0	23.3
44	RAPP-SHUJALPUR		D/C	217	145	0	0	0	
45	220 kV	BADOD-KOTA	S/C	55	7	1.3	0.0	1.3	
46		BADOD-MORAK	S/C	57	56	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	101	0	1.3	0.0	1.3	
48	132kV	MALANPUR-AURAIYA	S/C	58	5	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.7	145.3	-103.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	21.4	-21.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	619	1698	0.0	19.6	-19.6	
53		WARDHA-NIZAMABAD	D/C	16	1803	0.0	26.2	-26.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	1132	0	16.5	0.0	16.5	
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	56	1.1	0.0	1.1	
WR-SR						17.7	67.2	-49.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.6	
59		NEPAL						-3.2	
60		BANGLADESH						-11.1	