



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: 3rd Dec 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 02.12.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-दिसम्बर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 2nd 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

3-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40953	45822	36767	17790	2308	143640
Peak Shortage (MW)	510	0	0	0	44	554
Energy Met (MU)	874	1101	845	337	41	3198
Hydro Gen (MU)	113	18	55	26	7	219
Wind Gen (MU)	7	19	38	-----	-----	64
Solar Gen (MU)*	19.91	17.2	72.02	0.72	0.04	110
Energy Shortage (MU)	10.8	0.0	0.0	0.0	0.5	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41537 17:58	52676 10:27	37552 09:21	17772 18:01	2354 17:20	146478 09:57

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	0.032	0.00	0.00	3.13	3.13	78.98	17.89

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	5651	0	123.3	43.9	0.3	282	0.0	
	Haryana	5682	0	116.1	61.4	4.8	473	0.0	
	Rajasthan	11479	0	225.6	82.5	-0.4	977	0.0	
	Delhi	3311	0	56.8	41.8	-0.2	120	0.0	
	UP	12685	0	249.9	101.6	0.3	614	1.0	
	Uttarakhand	1713	0	32.7	22.0	0.1	48	0.0	
	HP	1356	0	25.3	17.9	-0.2	210	0.0	
	J&K	2039	510	41.4	38.9	-3.8	290	9.8	
	Chandigarh	174	0	2.9	3.1	-0.2	57	0.0	
	WR	Chhattisgarh	3519	0	76.0	10.1	-0.4	269	0.0
Gujarat		14461	0	311.8	112.2	0.7	856	0.0	
MP		13280	0	257.1	145.2	-3.4	446	0.0	
Maharashtra		20502	0	414.7	105.1	3.7	500	0.0	
Goa		484	0	9.6	8.4	0.8	92	0.0	
DD		261	0	6.0	5.2	0.8	75	0.0	
DNH		675	0	15.8	15.1	0.7	61	0.0	
Essar steel		516	0	10.5	10.9	-0.4	228	0.0	
SR		Andhra Pradesh	7846	0	169.3	60.7	0.5	484	0.0
		Telangana	7495	0	160.6	68.0	-0.1	423	0.0
	Karnataka	10088	0	195.6	67.1	0.7	461	0.0	
	Kerala	3338	0	64.7	56.2	0.3	216	0.0	
	Tamil Nadu	11636	0	248.9	109.8	-0.2	812	0.0	
	Pondy	276	0	5.8	6.3	-0.5	24	0.0	
ER	Bihar	4029	0	68.4	67.1	-1.5	460	0.0	
	DVC	2848	0	59.9	-29.4	2.5	396	0.0	
	Jharkhand	1195	0	25.1	14.8	-0.7	169	0.0	
	Odisha	4208	0	81.6	37.3	3.4	267	0.0	
	West Bengal	5817	0	100.7	16.8	-0.7	309	0.0	
NER	Sikkim	88	0	1.2	1.6	-0.4	18	0.0	
	Arunachal Pradesh	111	3	2.2	1.9	0.3	72	0.0	
	Assam	1341	24	22.7	17.5	0.7	115	0.4	
	Manipur	168	6	2.7	2.9	-0.2	30	0.0	
	Meghalaya	340	4	6.4	5.2	0.0	245	0.0	
	Mizoram	86	2	1.6	0.9	0.2	17	0.0	
	Nagaland	129	7	2.2	1.8	0.3	33	0.0	
	Tripura	215	2	3.6	1.6	-0.2	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-3.5	-12.3
Day peak (MW)	259.8	-156.0	-588.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.2	-183.3	87.3	-81.8	3.0	0.3
Actual(MU)	166.1	-183.4	83.3	-68.0	1.9	0.0
O/D/U/D(MU)	-9.1	-0.1	-3.9	13.8	-1.0	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4649	16090	6882	1100	106	28827
State Sector	11845	13528	8680	5915	50	40018
Total	16494	29618	15562	7015	156	68844

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	475	1172	452	406	7	2511
Lignite	21	16	50	0	0	86
Hydro	113	18	55	26	7	219
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	26	35	23	0	29	113
RES (Wind, Solar, Biomass & Others)	62	37	150	1	0	249
Total	721	1297	766	432	43	3259

Share of RES in total generation (%)	8.53	2.85	19.53	0.17	0.09	7.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.61	5.73	31.45	6.08	16.84	16.81

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 : 3-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	746	0.0	8.3	-8.3	
2		SASARAM-FATEHPUR	S/C	0	272	0.0	3.3	-3.3	
3		GAYA-BALIA	S/C	0	255	0.0	1.2	-1.2	
4		ALIPURDUAR-AGRA	-	0	251	0.0	6.1	-6.1	
5	HVDC	PUSAULI B/B	S/C	4	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	50	3	0.5	0.0	0.5	
7		PUSAULI -ALLAHABAD	S/C	69	34	0.6	0.0	0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	112	310	0.0	1.8	-1.8	
9		PATNA-BALIA	Q/C	0	816	0.0	11.5	-11.5	
10		BIHARSHARIFF-BALIA	D/C	0	138	0.0	3.3	-3.3	
11		MOTIHARI-GORAKHPUR	D/C	0	333	0.0	5.2	-5.2	
12		BIHARSHARIFF-VARANASI	D/C	73	141	0.0	0.7	-0.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	157	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	0.7	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						1.9	44.1	-42.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1468	0	20.7	0.0	20.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	295	358	0.1	0.0	0.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	226	62	1.9	0.0	1.9	
21		RANCHI-SIPAT	D/C	204	3	3.0	0.0	3.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	75	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	167	0	3.1	0.0	3.1	
ER-WR						28.9	1.1	27.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1532.0	0.0	28.9	-28.9	
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	1975.0	0.0	37.6	-37.6	
27	400 kV	TALCHER-I/C	D/C	0.0	584.0	7.2	0.0	7.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	81.1	-81.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	531	0.0	8.6	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	381	0.0	5.6	-6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	166	0.0	2.4	-2	
ER-NER						0.0	16.6	-16.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.1	-14.1	
NER-NR						0.0	14.1	-14.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	24.2	-24.2	
34		V'CHAL B/B	D/C	242	0	5.1	0.0	5.1	
35		APL -MHG	D/C	0	886	0.0	19.7	-19.7	
36		GWALIOR-AGRA	D/C	0	826	0.0	29.8	-29.8	
37	765 kV	PHAGI-GWALIOR	D/C	0	1629	0.0	27.6	-27.6	
38		JABALPUR-ORAI	D/C	46	400	0.0	9.9	-9.9	
39		GWALIOR-ORAI	S/C	536	0	9.6	0.0	9.6	
40		SATNA-ORAI	S/C	0	1889	0.0	38.6	-38.6	
41		400 kV	ZERDA-KANKROLI	S/C	203	63	2.2	0.0	2.2
42			ZERDA -BHINMAL	S/C	52	234	1.6	0.0	1.6
43	V'CHAL -RIHAND		S/C	984	0	22.2	0.0	22.2	
44	RAPP-SHUJALPUR		D/C	182	169	0	0	0	
45	220 kV	BADOD-KOTA	S/C	48	10	1.1	0.0	1.1	
46		BADOD-MORAK	S/C	58	68	0.3	0.2	0.2	
47		MEHGAON-AURAIYA	S/C	96	0	1.3	0.0	1.3	
48	132kV	MALANPUR-AURAIYA	S/C	56	0	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						44.2	149.9	-105.8	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	658	1340	0.0	14.9	-14.9	
53		WARDHA-NIZAMABAD	D/C	0	1637	0.0	26.8	-26.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	1029	0	15.5	0.0	15.5	
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						16.7	65.4	-48.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						3.2	
59		NEPAL						-3.5	
60		BANGLADESH						-12.3	