



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: 8th 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., डोंगतेह, 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 07.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 7th 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

8-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42326	48655	40234	17645	2433	151293
Peak Shortage (MW)	630	0	0	137	27	794
Energy Met (MU)	924	1151	896	343	39	3354
Hydro Gen (MU)	118	25	74	28	7	253
Wind Gen (MU)	7	24	32	-----	-----	63
Solar Gen (MU)*	22.65	18.14	63.40	0.81	0.04	105
Energy Shortage (MU)	15.4	0.0	0.0	0.4	0.6	16.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43621 09:47	54668 10:19	40984 07:43	17923 19:17	2471 18:07	153992 09:55

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	0.037	0.00	0.00	11.02	11.02	80.95	8.03

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	6073	0	133.3	47.8	0.4	136	0.0	
	Haryana	6550	0	130.7	59.8	4.9	330	0.0	
	Rajasthan	11646	0	217.2	63.1	-0.2	248	0.0	
	Delhi	3594	0	63.5	47.4	0.4	225	0.0	
	UP	12576	0	260.9	106.6	0.1	321	2.7	
	Uttarakhand	2014	0	37.5	25.9	0.7	128	0.0	
	HP	1553	0	28.0	20.4	0.0	182	1.0	
	J&K	2530	633	50.0	42.4	1.1	463	11.7	
	Chandigarh	202	0	3.3	3.0	0.4	45	0.0	
	WR	Chhattisgarh	3609	0	77.6	11.9	-0.5	615	0.0
Gujarat		15082	0	330.5	115.5	2.8	462	0.0	
MP		13556	0	258.4	143.7	-3.2	238	0.0	
Maharashtra		21655	0	440.9	121.9	-2.4	425	0.0	
Goa		499	0	11.0	10.2	0.2	89	0.0	
DD		319	0	7.1	6.3	0.7	76	0.0	
DNH		737	0	17.1	16.5	0.6	67	0.0	
Essar steel		472	0	8.7	8.4	0.3	271	0.0	
SR		Andhra Pradesh	7873	0	171.6	62.8	0.9	433	0.0
		Telangana	6944	0	150.9	44.1	0.3	448	0.0
	Karnataka	11053	0	209.6	71.2	0.7	429	0.0	
	Kerala	3748	0	73.2	57.8	1.5	218	0.0	
	Tamil Nadu	13759	0	284.1	129.0	2.6	771	0.0	
	Pondy	331	0	6.8	7.0	-0.2	22	0.0	
ER	Bihar	3969	0	72.7	68.9	0.8	460	0.0	
	DVC	2901	0	61.2	-20.0	-0.5	396	0.0	
	Jharkhand	1073	137	24.9	14.0	0.4	169	0.4	
	Odisha	3775	0	69.9	26.7	2.4	267	0.0	
	West Bengal	6453	0	112.8	24.4	1.0	309	0.0	
	Sikkim	100	0	1.5	1.7	-0.2	18	0.0	
NER	Arunachal Pradesh	102	8	1.9	1.9	0.0	52	0.0	
	Assam	1405	32	22.1	18.4	-0.5	82	0.4	
	Manipur	179	4	2.1	2.8	-0.6	36	0.0	
	Meghalaya	364	12	6.5	5.3	0.0	17	0.2	
	Mizoram	93	8	1.4	1.0	-0.1	7	0.0	
	Nagaland	131	4	2.0	1.8	0.0	33	0.0	
	Tripura	226	5	3.3	1.5	-0.4	21	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-4.2	-11.5
Day peak (MW)	243.8	-176.0	-794.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.7	-169.0	78.8	-79.4	4.2	0.3
Actual(MU)	169.6	-177.8	75.9	-72.0	-0.6	-4.9
O/D/U/D(MU)	3.9	-8.8	-2.9	7.3	-4.7	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4817	16940	7342	1370	80	30548
State Sector	11095	12700	7460	6125	50	37430
Total	15912	29640	14802	7495	129	67978

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	1191	510	418	6	2651
Lignite	15	15	52	0	0	82
Hydro	118	25	74	28	7	253
Nuclear	29	19	36	0	0	84
Gas, Naptha & Diesel	26	46	23	0	28	123
RES (Wind, Solar, Biomass & Others)	63	44	132	1	0	240
Total	779	1339	827	447	42	3434
Share of RES in total generation (%)	8.13	3.26	15.95	0.19	0.10	6.98
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.05	6.58	29.29	6.38	17.70	16.80

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 : **8-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	512	0.0	7.5	-7.5	
2		SASARAM-FATEHPUR	S/C	0	228	0.0	3.6	-3.6	
3		GAYA-BALIA	S/C	0	363	0.0	5.5	-5.5	
4		ALIPURDUAR-AGRA	-	0	151	0.0	2.1	-2.1	
5	HVDC	PUSAULI B/B	S/C	4	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	29	50	0.0	0.1	-0.1	
7		PUSAULI -ALLAHABAD	S/C	41	68	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	48	317	0.0	3.2	-3.2	
9		PATNA-BALIA	Q/C	0	952	0.0	17.0	-17.0	
10		BIHARSHARIFF-BALIA	D/C	12	116	0.0	1.9	-1.9	
11		MOTIHARI-GORAKHPUR	D/C	0	355	0.0	7.1	-7.1	
12		BIHARSHARIFF-VARANASI	D/C	66	178	0.0	1.7	-1.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	38	131	0.0	1.5	-1.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6	
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						0.6	51.0	-50.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1402	0	19.1	0.0	19.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	269	194	2.3	0.0	2.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	199	166	0.4	0.0	0.4	
21		RANCHI-SIPAT	D/C	220	0	3.7	0.0	3.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	68	0.0	0.9	-0.9	
23		BUDHIPADAR-KORBA	D/C	167	0	3.2	0.0	3.2	
ER-WR						28.7	0.9	27.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1659.0	0.0	27.8	-27.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	426.0	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	44.3	-44.3	
27	400 kV	TALCHER-I/C	D/C	0.0	583.0	1.2	0.0	1.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	82.0	-82.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	293	475	0.0	5.7	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	354	333	0.0	4.8	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	29	135	0.0	2.0	-2	
ER-NER						0.0	12.5	-12.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	655	400	0.0	13.0	-13.0	
NER-NR						0.0	13.0	-13.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1400	0.0	24.2	-24.2	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	982	0.0	21.7	-21.7	
36		GWALIOR-AGRA	D/C	0	1008	0.0	37.2	-37.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1142	0.0	20.2	-20.2	
38		JABALPUR-ORAI	D/C	87	433	0.0	10.6	-10.6	
39		GWALIOR-ORAI	S/C	477	0	8.6	0.0	8.6	
40		SATNA-ORAI	S/C	0	1719	0.0	38.4	-38.4	
41		400 kV	ZERDA-KANKROLI	S/C	230	63	2.5	0.0	2.5
42			ZERDA -BHINMAL	S/C	95	256	0.0	1.4	-1.4
43			V'CHAL -RIHAND	S/C	992	0	22.4	0.0	22.4
44	RAPP-SHUJALPUR		D/C	330	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	53	0	1.2	0.0	1.2	
46		BADOD-MORAK	S/C	68	42	0.2	0.3	-0.1	
47		MEHGAON-AURAIYA	S/C	95	0	1.1	0.0	1.1	
48		MALANPUR-AURAIYA	S/C	54	11	0.3	0.0	0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						44.3	153.9	-109.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.0	-23.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	844	1309	0.0	11.4	-11.4	
53		WARDHA-NIZAMABAD	D/C	61	1718	0.0	24.3	-24.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1130	0	16.9	0.0	16.9	
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	65	1.3	0.0	1.3	
WR-SR						18.2	58.7	-40.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.8	
59		NEPAL						-4.2	
60		BANGLADESH						-11.5	