National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 7th 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., डोंगतिएह, 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 06.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-दिसम्बर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 6th 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** **7-Dec-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44385	49108	40623	17350	2433	153899
Peak Shortage (MW)	572	0	66	55	42	735
Energy Met (MU)	941	1156	902	335	43	3376
Hydro Gen (MU)	116	30	81	32	7	266
Wind Gen (MU)	3	15	25	----------	----------	43
Solar Gen (MU)*	21.83	17.2	57.13	0.78	0.04	97
Energy Shortage (MU)	13.5	0.6	0.0	0.2	0.8	15.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43807	54428	41018	17800	2502	155030
	18:27	10:20	18:32	18:47	17:33	18:23

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	0.070	0.00	1.09	20.49	21.57	71.77	6.66

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	5815	0	134.7	47.3	-0.1	158	0.0
	Haryana	6498	0	129.8	61.3	4.0	280	0.0
	Rajasthan	12319	0	234.5	67.6	-0.9	232	0.0
	Delhi	3521	0	64.4	46.2	1.6	345	0.0
	UP	13323	0	258.3	107.3	0.8	322	1.6
	Uttarakhand	1960	0	37.0	25.0	1.5	293	0.0
	HP	1511	0	28.1	20.3	0.7	116	0.0
	J&K	2531	633	50.8	42.2	2.2	417	11.9
	Chandigarh	197	0	3.3	3.0	0.3	40	0.0
WR	Chhattisgarh	3627	0	76.8	9.9	1.0	318	0.6
	Gujarat	14984	0	328.5	113.9	2.6	403	0.0
	MP	13644	0	259.7	144.2	-1.0	606	0.0
	Maharashtra	22001	0	446.3	121.5	0.2	445	0.0
	Goa	499	0	10.5	9.0	1.0	74	0.0
	DD	318	0	7.1	6.0	1.1	91	0.0
	DNH	741	0	17.0	16.1	0.9	91	0.0
	Essar steel	500	0	10.5	10.6	-0.1	296	0.0
SR	Andhra Pradesh	7806	0	169.9	62.0	0.9	465	0.0
	Telangana	8036	0	171.4	64.7	0.4	333	0.0
	Karnataka	10637	0	207.5	69.8	2.0	544	0.0
	Kerala	3511	0	71.7	55.7	1.2	531	0.0
	Tamil Nadu	13438	0	274.3	127.5	1.2	394	0.0
	Pondy	333	0	6.7	7.1	-0.4	51	0.0
ER	Bihar	4005	0	68.6	69.9	-3.1	460	0.0
	DVC	2844	0	60.0	-20.2	-1.6	396	0.0
	Jharkhand	1143	55	24.8	14.1	-0.6	169	0.2
	Odisha	3711	0	72.8	26.4	1.8	267	0.0
	West Bengal	6207	0	107.0	23.0	0.3	309	0.0
	Sikkim	100	0	1.5	1.6	-0.1	18	0.0
NER	Arunachal Pradesh	111	2	2.2	1.8	0.4	47	0.0
	Assam	1444	24	24.2	18.4	1.7	194	0.4
	Manipur	178	2	2.6	2.7	-0.1	43	0.0
	Meghalaya	377	2	6.1	5.3	-0.5	26	0.3
	Mizoram	88	1	1.9	1.0	0.4	8	0.0
	Nagaland	118	3	2.1	1.7	0.2	35	0.0
	Tripura	223	3	3.8	1.4	0.4	63	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.4	-4.0	-14.9
Day peak (MW)	303.0	-174.0	-801.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.6	-175.9	85.3	-77.2	4.3	0.1
Actual(MU)	158.4	-178.9	84.6	-76.4	5.1	-7.2
O/D/U/D(MU)	-5.2	-2.9	-0.7	0.8	0.8	-7.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4317	17005	7632	1370	390	30714
State Sector	11345	12908	8060	6125	50	38488
Total	15662	29913	15692	7495	439	69202

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	541	1210	510	413	4	2679
Lignite	18	16	51	0	0	85
Hydro	116	31	81	32	7	266
Nuclear	28	19	36	0	0	83
Gas, Naptha & Diesel	27	37	23	0	28	116
RES (Wind, Solar, Biomass & Others)	61	34	121	1	0	216
Total	791	1346	822	446	40	3445

Share of RES in total generation (%)	7.69	2.51	14.71	0.18	0.10	6.28
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.86	6.19	28.91	7.41	17.59	16.42

H. Diversity Factor

All India Demand Diversity Factor	1.029

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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **7-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	4	422	0.0	5.9	-5.9
2		SASARAM-FATEHPUR	S/C	35	190	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	319	0.0	5.5	-5.5
4	**HVDC**	ALIPURDUAR-AGRA	-	0	501	0.0	5.5	-5.5
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0
6	**400 kV**	PUSAULI-VARANASI	S/C	65	0	0.9	0.0	0.9
7		PUSAULI -ALLAHABAD	S/C	99	5	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	201	231	0.0	0.9	-0.9
9		PATNA-BALIA	Q/C	0	906	0.0	18.0	-18.0
10		BIHARSHARIFF-BALIA	D/C	12	96	0.0	1.9	-1.9
11		MOTIHARI-GORAKHPUR	D/C	0	348	0.0	6.9	-6.9
12		BIHARSHARIFF-VARANASI	D/C	97	121	0.0	0.6	-0.6
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	130	0.0	2.4	-2.4
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	**2.4**	**50.0**	**-47.5**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1389	0	16.6	0.0	16.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	244	256	0.7	0.0	0.7
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	130	172	0.0	0.1	-0.1
21		RANCHI-SIPAT	D/C	242	0	4.4	0.0	4.4
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	124	0.0	1.2	-1.2
23		BUDHIPADAR-KORBA	D/C	174	0	3.4	0.0	3.4
					ER-WR	**25.0**	**1.2**	**23.8**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1641.0	0.0	28.7	-28.7
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	426.0	0.0	9.9	-9.9
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	41.9	-41.9
27	**400 kV**	TALCHER-I/C	D/C	25.0	614.0	3.0	0.0	3.0
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**80.5**	**-80.5**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	499	0.0	8.9	-9
30		ALIPURDUAR-BONGAIGAON	D/C	0	341	0.0	5.5	-6
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	135	0.0	2.2	-2
					ER-NER	**0.0**	**16.6**	**-16.6**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	501	0.0	11.1	-11.1
					NER-NR	**0.0**	**11.1**	**-11.1**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	1404	0.0	33.5	-33.5
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	981	0.0	20.0	-20.0
36	**765 kV**	GWALIOR-AGRA	D/C	0	871	0.0	32.3	-32.3
37		PHAGI-GWALIOR	D/C	0	966	0.0	16.3	-16.3
38		JABALPUR-ORAI	D/C	190	311	0.0	7.1	-7.1
39		GWALIOR-ORAI	S/C	444	0	7.5	0.0	7.5
40		SATNA-ORAI	S/C	0	1686	0.0	38.7	-38.7
41	**400 kV**	ZERDA-KANKROLI	S/C	247	47	2.7	0.0	2.7
42		ZERDA -BHINMAL	S/C	87	234	1.2	0.0	1.2
43		V'CHAL -RIHAND	S/C	990	0	23.0	0.0	23.0
44		RAPP-SHUJALPUR	D/C	440	0	3	0	3
45	**220 kV**	BADOD-KOTA	S/C	46	0	1.0	0.0	1.0
46		BADOD-MORAK	S/C	74	26	0.7	0.1	0.6
47		MEHGAON-AURAIYA	S/C	99	0	1.2	0.0	1.2
48		MALANPUR-AURAIYA	S/C	55	8	0.4	0.0	0.4
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**46.4**	**147.9**	**-101.6**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	992	0.0	23.8	-23.8
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	773	1458	0.0	15.8	-15.8
53		WARDHA-NIZAMABAD	D/C	0	2015	0.0	32.5	-32.5
54	**400 kV**	KOLHAPUR-KUDGI	D/C	1152	0	16.8	0.0	16.8
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	71	1.3	0.0	1.3
					WR-SR	**18.1**	**72.0**	**-53.9**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**4.4**
59		NEPAL						**-4.0**
60		BANGLADESH						**-14.9**