



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 Nov 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 03.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-नवंबर-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 03rd November 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

4-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42143	51533	41276	19842	2385	157179
Peak Shortage (MW)	199	0	0	388	66	653
Energy Met (MU)	910	1225	941	396	43	3514
Hydro Gen (MU)	149	42	78	54	9	333
Wind Gen (MU)	8	16	46	-----	-----	69
Solar Gen (MU)*	18.79	17.8	52.28	0.65	0.04	90
Energy Shortage (MU)	8.0	0.0	0.0	1.2	0.4	9.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43535 18:27	56614 10:56	41402 07:30	20042 19:47	2611 17:33	159809 18:31

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	0.060	0.00	0.22	20.00	20.22	75.07	4.71

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	5334	0	116.6	20.4	-0.7	103	0.0
	Haryana	6276	100	119.0	68.1	1.2	343	1.5
	Rajasthan	11103	0	227.1	54.4	4.8	715	0.0
	Delhi	3450	0	68.5	45.9	-0.3	207	0.0
	UP	13858	0	289.3	109.8	2.4	540	0.0
	Uttarakhand	1793	0	34.7	24.3	-0.6	125	0.0
	HP	1320	54	25.8	15.2	0.2	107	0.5
	J&K	1915	479	26.1	34.7	-17.1	263	6.0
Chandigarh	169	0	3.2	3.2	-0.1	22	0.0	
WR	Chhattisgarh	3978	0	86.4	21.5	-1.0	204	0.0
	Gujarat	15837	0	346.7	128.9	8.5	930	0.0
	MP	12499	0	266.4	160.1	-1.0	506	0.0
	Maharashtra	23341	0	491.6	156.2	3.3	626	0.0
	Goa	468	0	10.6	9.6	0.5	103	0.0
	DD	329	0	7.3	6.5	0.8	101	0.0
	DNH	689	0	5.4	14.9	-9.5	95	0.0
	Essar steel	562	0	10.7	11.2	-0.5	294	0.0
SR	Andhra Pradesh	8340	0	185.2	66.8	0.1	725	0.0
	Telangana	9298	0	201.5	100.3	1.5	514	0.0
	Karnataka	10542	0	205.2	49.9	-0.4	503	0.0
	Kerala	3407	0	69.8	46.2	0.4	198	0.0
	Tamil Nadu	12541	0	272.4	134.3	-0.4	553	0.0
	Pondy	331	0	6.8	6.8	0.0	62	0.0
ER	Bihar	4494	0	80.2	78.4	-0.5	402	0.0
	DVC	2956	0	62.8	-28.7	4.3	456	0.5
	Jharkhand	1079	-218	23.4	16.4	0.4	185	0.7
	Odisha	4438	0	90.7	32.1	5.4	385	0.0
	West Bengal	7473	0	137.2	36.7	3.8	445	0.0
	Sikkim	95	0	1.3	1.2	0.1	20	0.0
NER	Arunachal Pradesh	105	3	2.1	1.6	0.5	321	0.0
	Assam	1474	47	25.5	19.4	1.5	111	0.3
	Manipur	160	2	2.2	2.4	-0.2	31	0.0
	Meghalaya	310	0	5.2	2.5	0.0	85	0.0
	Mizoram	88	3	1.9	0.8	0.5	19	0.0
	Nagaland	117	2	2.1	1.5	0.3	39	0.0
	Tripura	235	3	3.7	2.1	0.3	35	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.2	-2.0	-18.2
Day peak (MW)	400.3	-136.0	-854.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	100.7	-157.2	129.8	-75.3	1.7	-0.2
Actual(MU)	78.1	-157.8	130.9	-49.6	2.7	4.2
O/D/U/D(MU)	-22.6	-0.7	1.1	25.7	1.0	4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5859	12924	7762	600	331	27476
State Sector	9560	14505	6800	5325	50	36240
Total	15419	27429	14562	5925	381	63716

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	593	1257	533	422	5	2810
Hydro	149	42	78	54	9	333
Nuclear	24	29	41	0	0	94
Gas, Naptha & Diesel	47	52	24	0	29	152
RES (Wind, Solar, Biomass & Others)	42	34	142	1	0	219
Total	855	1414	819	477	44	3608

Share of RES in total generation (%)	4.96	2.43	17.31	0.14	0.09	6.08
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.25	7.42	31.88	11.53	21.48	17.91

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 : **4-Nov-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	351	179	0.1	0.0	0.1
2		SASARAM-FATEHPUR	S/C	404	0	4.8	0.0	4.8
3		GAYA-BALIA	S/C	18	112	0.0	1.6	-1.6
4	HVDC	ALIPURDUAR-AGRA	-	0	306	0.0	7.0	-7.0
5		PUSAULI B/B	S/C	0	397	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	S/C	0	311	0.0	6.8	-6.8
7		PUSAULI -ALLAHABAD	S/C	0	158	0.0	2.8	-2.8
8		MUZAFFARPUR-GORAKHPUR	D/C	346	196	0.9	0.0	0.9
9		PATNA-BALIA	Q/C	0	605	0.0	10.5	-10.5
10		BIHARSHARIFF-BALIA	D/C	93	21	0.5	0.0	0.5
11		MOTIHARI-GORAKHPUR	D/C	0	327	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	363	6	3.2	0.0	3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	2	168	0.0	2.6	-2.6
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						10.1	46.6	-36.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	610	0	37.8	0.0	37.8
19	400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	422	312	2.5	0.0	2.5
20		JHARSUGUDA-RAIGARH	Q/C	212	111	1.5	0.0	1.5
21		RANCHI-SIPAT	D/C	240	9	3.8	0.0	3.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	222	0	3.9	0.0	3.9
ER-WR						49.5	0.0	49.5
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1755.0	0.0	31.5	-31.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	661.0	0.0	14.9	-14.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2450.0	0.0	47.1	-47.1
27	400 kV	TALCHER-I/C	D/C	0.0	944.0	0.0	8.6	-8.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	93.4	-93.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	605	0.0	8.9	-9
30		ALIPURDUAR-BONGAIGAON	D/C	15	457	0.0	6.3	-6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	126	0.0	1.9	-2
ER-NER						0.0	17.1	-17.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	653	0.0	14.6	-14.6
NER-NR						0.0	14.6	-14.6
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	654	0.0	15.6	-15.6
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	691	0.0	14.3	-14.3
36	765 kV	GWALIOR-AGRA	D/C	29	689	0.0	18.5	-18.5
37		PHAGI-GWALIOR	D/C	0	1185	0.0	13.4	-13.4
38		JABALPUR-ORAI	D/C	310	154	0.0	2.1	-2.1
39		GWALIOR-ORAI	S/C	466	0	7.7	0.0	7.7
40		SATNA-ORAI	S/C	0	1454	0.0	31.8	-31.8
41	400 kV	ZERDA-KANKROLI	S/C	464	0	18.5	0.0	18.5
42		ZERDA -BHINMAL	S/C	436	0	6.1	0.0	6.1
43		V'CHAL -RIHAND	S/C	485	0	11.2	0.0	11.2
44		RAPP-SHUJALPUR	D/C	463	0	0	4	-4
45	220 kV	BADOD-KOTA	S/C	103	0	3.2	0.0	3.2
46		BADOD-MORAK	S/C	104	0	1.4	0.0	1.4
47		MEHGAON-AURAIYA	S/C	142	0	2.1	0.0	2.1
48		MALANPUR-AURAIYA	S/C	104	0	1.4	0.0	1.4
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						57.7	99.4	-41.7
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	157	1821	0.0	25.0	-25.0
53		WARDHA-NIZAMABAD	D/C	0	2327	0.0	40.5	-40.5
54	400 kV	KOLHAPUR-KUDGI	D/C	889	0	11.5	0.0	11.5
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	68	1.3	0.0	1.3
WR-SR						12.8	89.4	-76.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						8.2
59		NEPAL						-2.0
60		BANGLADESH						-18.2