



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: 02nd Nov 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 01.11.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-नवंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 01st 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

2-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42538	51290	42713	20430	2413	159384
Peak Shortage (MW)	337	0	200	414	125	1076
Energy Met (MU)	928	1215	975	410	43	3571
Hydro Gen (MU)	138	26	89	55	12	320
Wind Gen (MU)	5	32	32	-----	-----	69
Solar Gen (MU)*	19.63	20.17	55.57	0.93	0.06	96
Energy Shortage (MU)	8.6	0.0	0.4	1.2	1.0	11.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44099 18:16	56024 11:28	42967 07:38	20363 18:41	2486 17:21	161662 18:29

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	0.035	0.00	0.00	8.67	8.67	81.89	9.44

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	5546	0	118.0	26.1	-0.5	140	0.0	
	Haryana	6301	0	123.0	76.9	0.5	217	0.0	
	Rajasthan	11259	0	229.0	54.9	1.5	348	0.0	
	Delhi	3660	0	71.3	47.6	0.3	178	0.0	
	UP	13436	0	283.9	108.0	1.8	282	0.0	
	Uttarakhand	1817	0	35.7	23.2	1.6	261	0.0	
	HP	1521	0	27.9	16.8	1.2	186	0.0	
	J&K	1926	482	36.3	37.4	-8.3	210	8.6	
	Chandigarh	178	0	3.3	3.4	0.0	28	0.0	
	WR	Chhattisgarh	4029	0	86.4	22.2	-1.4	250	0.0
Gujarat		15673	0	345.5	115.3	7.1	610	0.0	
MP		12419	0	261.4	150.3	-1.2	616	0.0	
Maharashtra		22673	0	477.9	152.6	0.6	890	0.0	
Goa		468	0	9.7	9.1	0.1	70	0.0	
DD		319	0	7.2	6.1	1.0	100	0.0	
DNH		673	0	15.6	14.9	0.7	101	0.0	
Essar steel		532	0	11.1	11.2	-0.2	263	0.0	
SR		Andhra Pradesh	8761	0	186.9	71.0	1.2	609	0.0
		Telangana	9452	0	205.3	91.6	4.2	840	0.0
	Karnataka	10005	0	206.2	49.2	2.2	558	0.0	
	Kerala	3584	200	71.6	45.0	1.1	243	0.4	
	Tamil Nadu	14336	0	297.8	150.5	0.1	465	0.0	
	Pondy	320	0	6.7	6.9	-0.2	26	0.0	
	ER	Bihar	4641	0	80.9	79.2	-0.7	410	0.0
DVC		2989	0	64.1	-33.0	-0.2	180	0.0	
Jharkhand		1050	164	24.2	16.1	0.9	110	0.5	
Odisha		4518	250	89.4	35.3	3.8	200	0.8	
West Bengal		7382	0	150.3	34.7	5.4	250	0.0	
Sikkim		91	0	1.2	1.7	-0.5	10	0.0	
NER		Arumachal Pradesh	107	3	2.2	1.8	0.4	2	0.0
	Assam	1510	48	25.6	19.4	2.2	114	0.9	
	Manipur	176	2	2.3	2.2	0.1	20	0.0	
	Meghalaya	293	0	5.1	2.7	-0.1	37	0.0	
	Mizoram	85	2	1.8	0.9	0.5	8	0.0	
	Nagaland	116	3	2.1	1.8	0.0	10	0.0	
	Tripura	240	1	4.0	1.8	0.6	128	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.7	-2.4	-19.3
Day peak (MW)	446.6	-136.0	-858.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	125.3	-171.5	117.4	-67.6	-2.8	0.8
Actual(MU)	103.4	-174.5	127.7	-57.3	-1.1	-1.8
O/D/U/D(MU)	-21.9	-3.0	10.3	10.3	1.7	-2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4168	13303	7882	1335	331	27019
State Sector	9020	14039	6360	4905	50	34374
Total	13188	27342	14242	6240	381	61392

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	592	1236	569	411	9	2817
Hydro	138	26	89	55	12	320
Nuclear	24	27	42	0	0	94
Gas, Naptha & Diesel	55	56	24	0	28	162
RES (Wind, Solar, Biomass & Others)	41	53	131	1	0	227
Total	849	1399	856	467	49	3619

Share of RES in total generation (%)	4.81	3.81	15.36	0.21	0.12	6.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.88	7.64	30.68	11.89	24.96	17.68

H. Diversity Factor

All India Demand Diversity Factor	1.026
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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-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	250	125	0.8	0.0	0.8
2		SASARAM-FATEHPUR	S/C	322	0	4.5	0.0	4.5
3		GAYA-BALIA	S/C	18	114	0.0	1.3	-1.3
4	HVDC	ALIPURDUAR-AGRA	-	0	350	0.0	8.5	-8.5
5		PUSAULI B/B	S/C	0	397	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	302	0.0	6.5	-6.5
7		PUSAULI -ALLAHABAD	S/C	0	170	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	235	218	1.0	0.0	1.0
9		PATNA-BALIA	Q/C	0	578	0.0	10.3	-10.3
10		BIHARSHARIFF-BALIA	D/C	132	61	0.7	0.0	0.7
11		MOTIHARI-GORAKHPUR	D/C	0	297	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	307	0	3.7	0.0	3.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	202	0.0	3.2	-3.2
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						11.4	48.4	-37.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1000	0	21.3	0.0	21.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	456	182	4.0	0.0	4.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	578	0	10.6	0.0	10.6
21		RANCHI-SIPAT	D/C	265	0	3.9	0.0	3.9
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	235	0	4.1	0.0	4.1
ER-WR						43.9	0.0	43.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1435.0	0.0	26.6	-26.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	613.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1968.0	0.0	46.5	-46.5
27	400 kV	TALCHER-I/C	D/C	0.0	984.0	0.0	19.0	-19.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	87.6	-87.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	477	0.0	7.7	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	305	0.0	3.7	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	105	0.0	1.6	-2
ER-NER						0.0	13.0	-13.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	727	0.0	14.8	-14.8
NER-NR						0.0	14.8	-14.8
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	652	0.0	15.6	-15.6
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1171	0.0	18.4	-18.4
36		GWALIOR-AGRA	D/C	0	712	0.0	24.7	-24.7
37		PHAGI-GWALIOR	D/C	0	1032	0.0	17.0	-17.0
38		JABALPUR-ORAI	D/C	178	226	0.0	2.3	-2.3
39		GWALIOR-ORAI	S/C	460	0	8.3	0.0	8.3
40		SATNA-ORAI	S/C	0	1588	0.0	34.1	-34.1
41		400 kV	ZERDA-KANKROLI	S/C	513	0	8.6	0.0
42	ZERDA -BHINMAL		S/C	317	44	3.0	0.0	3.0
43	V'CHAL -RIHAND		S/C	487	0	11.3	0.0	11.3
44	RAPP-SHUJALPUR		D/C	485	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	112	0	2.6	0.0	2.6
46		BADOD-MORAK	S/C	81	24	0.6	0.0	0.6
47		MEHGAON-AURAIYA	S/C	153	0	2.3	0.0	2.3
48	132kV	MALANPUR-AURAIYA	S/C	115	0	1.7	0.0	1.7
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						47.8	112.1	-64.3
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1731	0.0	22.9	-22.9
53		WARDHA-NIZAMABAD	D/C	0	2131	0.0	36.2	-36.2
54	400 kV	KOLHAPUR-KUDGI	D/C	854	0	11.4	0.0	11.4
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	1.2	0.0	1.2
WR-SR						12.6	83.0	-70.4
TRANSNATIONAL EXCHANGE								
58		BHUTAN						7.7
59		NEPAL						-2.4
60		BANGLADESH						-19.3