



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: 06th 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, 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 05.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 5th 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

6-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45082	49868	41149	20024	2357	158480
Peak Shortage (MW)	485	0	0	585	108	1178
Energy Met (MU)	927	1211	936	400	40	3515
Hydro Gen (MU)	158	24	88	53	11	335
Wind Gen (MU)	11	27	33	-----	-----	70
Solar Gen (MU)*	23.28	17.82	68.82	0.85	0.03	111
Energy Shortage (MU)	10.2	0.0	0.0	1.8	0.9	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45971 18:06	55973 11:04	41203 18:29	20451 19:34	2405 18:01	160639 18:30

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	0.054	0.00	1.28	14.19	15.47	79.38	5.15

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	5444	0	117.6	20.4	0.1	96	0.0	
	Haryana	6190	0	115.0	61.6	1.4	199	0.9	
	Rajasthan	10690	0	219.7	66.0	-2.0	338	0.0	
	Delhi	3389	0	65.4	52.4	-1.5	113	0.0	
	UP	15627	0	304.0	117.7	-2.1	189	0.0	
	Uttarakhand	1801	0	35.1	23.9	-0.5	119	0.0	
	HP	1506	0	27.8	16.7	0.6	151	0.0	
	J&K	2038	510	39.4	30.8	-0.7	324	9.3	
	Chandigarh	171	0	3.2	3.3	-0.2	16	0.0	
	WR	Chhattisgarh	3910	0	85.8	23.9	-0.9	446	0.0
Gujarat		15281	0	334.4	129.4	6.4	547	0.0	
MP		12632	0	269.6	161.6	-1.4	687	0.0	
Maharashtra		23019	0	477.2	177.6	-0.6	816	0.0	
Goa		468	0	10.7	10.2	0.0	49	0.0	
DD		326	0	7.2	6.4	0.8	63	0.0	
DNH		683	0	15.7	15.0	0.8	79	0.0	
Essar steel		534	0	10.3	10.6	-0.3	236	0.0	
SR		Andhra Pradesh	8751	0	192.2	69.7	1.8	670	0.0
		Telangana	9167	0	202.5	86.2	2.2	666	0.0
	Karnataka	10427	0	210.3	46.3	0.9	696	0.0	
	Kerala	3481	0	70.6	40.5	1.3	228	0.0	
	Tamil Nadu	12333	0	254.2	130.1	0.6	608	0.0	
	Pondy	311	0	6.6	6.9	-0.3	17	0.0	
ER	Bihar	4322	0	79.3	77.5	0.3	50	0.0	
	DVC	2916	385	60.7	-23.2	6.8	650	1.2	
	Jharkhand	1043	0	23.8	16.7	-0.1	130	0.0	
	Odisha	4551	200	90.1	35.3	3.8	320	0.6	
	West Bengal	7836	0	145.0	37.9	1.6	280	0.0	
	Sikkim	93	0	1.2	1.6	-0.4	0	0.0	
NER	Arumachal Pradesh	108	4	2.0	1.8	0.2	23	0.0	
	Assam	1424	67	22.7	17.0	0.8	130	0.7	
	Manipur	176	3	2.4	2.5	-0.1	44	0.0	
	Meghalaya	311	0	5.3	2.8	-0.1	32	0.0	
	Mizoram	86	3	1.9	0.9	0.5	8	0.0	
	Nagaland	130	4	2.1	1.8	-0.1	21	0.0	
	Tripura	223	3	3.6	2.5	-0.3	1	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-2.0	-19.3
Day peak (MW)	398.9	-126.0	-906.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	110.9	-135.4	79.8	-56.1	0.7	0.0
Actual(MU)	91.2	-139.0	84.2	-39.1	-0.6	-3.3
O/D/U/D(MU)	-19.7	-3.6	4.4	17.1	-1.4	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2808	12712	6532	1460	331	23843
State Sector	6750	14625	6210	6315	50	33950
Total	9558	27337	12742	7775	381	57793

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	596	1213	560	413	5	2786
Hydro	158	24	88	53	11	335
Nuclear	25	30	41	0	0	95
Gas, Naptha & Diesel	25	51	25	0	29	131
RES (Wind, Solar, Biomass & Others)	50	45	143	1	0	240
Total	854	1363	857	468	45	3586

Share of RES in total generation (%)	5.86	3.33	16.74	0.19	0.07	6.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.29	7.28	31.74	11.62	24.16	18.66

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 : 6-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	207	196	0.6	0.0	0.6
2		SASARAM-FATEHPUR	S/C	380	0	4.9	0.0	4.9
3		GAYA-BALIA	S/C	0	189	0.0	2.5	-2.5
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	5.0	-5.0
5		PUSAULI B/B	S/C	0	399	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	305	0.0	6.6	-6.6
7		PUSAULI -ALLAHABAD	S/C	0	171	0.0	3.0	-3.0
8		MUZAFFARPUR-GORAKHPUR	D/C	85	320	0.0	2.3	-2.3
9		PATNA-BALIA	Q/C	0	383	0.0	5.0	-5.0
10		BIHARSHARIFF-BALIA	D/C	18	65	0.0	0.6	-0.6
11		MOTIHARI-GORAKHPUR	D/C	0	189	0.0	3.5	-3.5
12		BIHARSHARIFF-VARANASI	D/C	205	0	3.2	0.0	3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	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	0.7	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						9.3	41.3	-32.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	707	0	23.7	0.0	23.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	543	212	3.6	0.0	3.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	176	119	0.7	0.0	0.7
21		RANCHI-SIPAT	D/C	279	0	2.5	0.0	2.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	182	0	2.6	0.0	2.6
ER-WR						33.1	0.0	33.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1979.0	0.0	36.9	-36.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	661.0	0.0	15.3	-15.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1183.0	0.0	25.2	-25.2
27	400 kV	TALCHER-I/C	D/C	15.0	332.0	13.7	0.0	13.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	77.3	-77.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	391	0.0	5.9	-6
30		ALIPURDUAR-BONGAIGAON	D/C	0	250	0.0	3.5	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	95	0.0	1.2	-1
ER-NER						0.0	10.7	-10.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	508	0.0	12.0	-12.0
NER-NR						0.0	12.0	-12.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	653	0.0	15.4	-15.4
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	934	0.0	21.5	-21.5
36		GWALIOR-AGRA	D/C	0	688	0.0	19.9	-19.9
37	765 kV	PHAGI-GWALIOR	D/C	0	1248	0.0	18.3	-18.3
38		JABALPUR-ORAI	D/C	341	141	1.9	0.0	1.9
39		GWALIOR-ORAI	S/C	489	0	8.5	0.0	8.5
40		SATNA-ORAI	S/C	0	1650	0.0	35.3	-35.3
41		ZERDA-KANKROLI	S/C	481	0	8.3	0.0	8.3
42	400 kV	ZERDA -BHINMAL	S/C	330	0	5.1	0.0	5.1
43		V'CHAL -RIHAND	S/C	736	0	11.4	0.0	11.4
44		RAPP-SHUJALPUR	D/C	491	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	86	0	2.6	0.0	2.6
46		BADOD-MORAK	S/C	92	6	1.0	0.0	1.0
47		MEHGAON-AURAIYA	S/C	107	0	1.9	0.0	1.9
48		MALANPUR-AURAIYA	S/C	74	0	1.2	0.0	1.2
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						51.3	110.4	-59.1
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	806	0.0	13.7	-13.7
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	464	1289	0.0	14.4	-14.4
53		WARDHA-NIZAMABAD	D/C	0	2021	0.0	33.7	-33.7
54	400 kV	KOLHAPUR-KUDGI	D/C	990	0	14.3	0.0	14.3
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	61	1.2	0.0	1.2
WR-SR						15.5	61.8	-46.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						7.2
59		NEPAL						-2.0
60		BANGLADESH						-19.3