



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: 1st Oct 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 30.09.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-सितंबर-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 30th September 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

1-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47097	50160	40038	20778	2553	160626
Peak Shortage (MW)	486	25	0	935	117	1563
Energy Met (MU)	1022	1206	916	472	46	3663
Hydro Gen (MU)	257	52	98	106	23	535
Wind Gen (MU)	8	17	16	-----	-----	40
Solar Gen (MU)*	21.82	21.38	58.53	1.01	0.02	103
Energy Shortage (MU)	9.8	2.6	0.0	2.9	1.8	17.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48274 19:21	51676 11:42	39731 19:03	21578 00:00	2547 18:13	161870 19:01

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	0.056	0.00	0.64	18.32	18.96	78.56	2.48

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	6151	0	140.1	6.6	-1.2	24	0.0	
	Haryana	6642	0	129.5	106.4	-0.6	179	0.0	
	Rajasthan	9712	0	209.4	51.0	-0.5	624	0.0	
	Delhi	4121	0	89.1	65.3	-1.1	181	0.0	
	UP	16972	0	350.4	148.8	-0.3	264	0.0	
	Uttarakhand	1829	0	37.5	16.9	-0.5	55	0.2	
	HP	1213	0	24.4	4.3	1.4	128	0.0	
	J&K	2020	505	38.5	27.3	-4.2	160	9.6	
WR	Chhattisgarh	190	0	3.5	4.3	-0.8	17	0.0	
	Gujarat	4384	0	100.1	37.7	1.9	460	2.2	
	MP	16422	0	378.8	109.2	4.8	494	0.1	
	Maharashtra	9343	0	206.5	91.8	1.9	590	0.0	
	Goa	21629	0	478.9	176.5	2.9	563	0.0	
	DD	500	25	13.1	9.9	0.0	111	0.4	
	DNH	309	0	6.8	5.9	0.9	129	0.0	
	Essar steel	743	0	17.4	16.9	0.5	74	0.0	
SR	Andhra Pradesh	278	0	4.4	4.6	-0.2	254	0.0	
	Telangana	8443	0	182.3	53.6	4.6	770	0.0	
	Karnataka	9967	0	216.7	94.6	2.2	629	0.0	
	Kerala	7671	0	162.2	37.1	-1.0	380	0.0	
	Tamil Nadu	3323	0	64.6	41.2	0.8	186	0.0	
	Pondy	12446	0	283.4	154.4	1.4	593	0.0	
	Bihar	321	0	7.2	6.8	0.3	62	0.0	
	ER	Bihar	4964	1	98.5	92.9	2.9	100	0.6
DVC		2820	1	61.1	-11.2	4.8	500	1.0	
Jharkhand		1000	0	24.6	16.2	1.6	130	0.4	
Odisha		5210	1	109.9	40.9	7.1	450	0.9	
West Bengal		8746	0	177.0	64.5	4.6	400	0.0	
Sikkim		85	0	1.1	0.9	0.2	20	0.0	
NER		Arunachal Pradesh	125	4	2.3	2.6	-0.3	49	0.0
		Assam	1632	91	28.1	22.2	1.3	193	1.7
	Manipur	188	2	2.2	2.5	-0.3	31	0.0	
	Meghalaya	264	0	5.1	1.8	-0.1	58	0.0	
	Mizoram	80	2	1.4	0.8	0.2	25	0.0	
	Nagaland	115	3	2.3	1.6	0.3	47	0.0	
	Tripura	282	2	5.1	4.2	0.7	115	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.2	-4.5	-18.4
Day peak (MW)	1497.5	-214.0	-966.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	82.6	-147.1	67.9	-3.5	-0.5	-0.5
Actual(MU)	53.3	-146.9	73.4	25.3	-0.8	4.3
O/D/U/D(MU)	-29.4	0.2	5.5	28.8	-0.3	4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3587	15697	6152	2260	415	28110
State Sector	7525	13723	6610	6475	50	34383
Total	11112	29420	12762	8735	464	62493

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	625	1176	584	344	4	2734
Hydro	257	52	98	106	23	535
Nuclear	23	27	29	0	0	80
Gas, Naptha & Diesel	38	73	24	0	24	159
RES (Wind, Solar, Biomass & Others)	48	39	114	1	0	203
Total	992	1368	849	451	51	3711

Share of RES in total generation (%)	4.87	2.87	13.47	0.24	0.08	5.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.10	8.68	28.37	23.77	44.93	22.05

H. Diversity Factor

All India Demand Diversity Factor	1.012
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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 : 1-Oct-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	546	0	9.1	0.0	9.1	
2		SASARAM-FATEHPUR	S/C	543	0	10.5	0.0	10.5	
3		GAYA-BALIA	S/C	41	164	0.0	0.7	-0.7	
4		ALIPURDUAR-AGRA	-	0	400	0.0	9.3	-9.3	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.8	-9.8	
6		PUSAULI-VARANASI	S/C	0	353	0.0	7.8	-7.8	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	112	0.0	1.7	-1.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	283	324	0.0	0.6	-0.6	
9		PATNA-BALIA	Q/C	158	501	0.0	5.0	-5.0	
10		BIHARSHARIFF-BALIA	D/C	140	80	1.5	0.0	1.5	
11		MOTIHARI-GORAKHPUR	D/C	203	0	4.2	0.0	4.2	
12		BIHARSHARIFF-VARANASI	D/C	496	0	7.6	0.0	7.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	33	234	0.0	4.4	-4.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	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						33.5	39.3	-5.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1690	0	32.2	0.0	32.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1021	0	15.0	0.0	15.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1223	0	21.5	0.0	21.5	
21		RANCHI-SIPAT	D/C	572	0	9.6	0.0	9.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	251	0	4.4	0.0	4.4	
ER-WR						82.6	0.0	82.6	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1499.0	0.0	24.6	-24.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	360.0	0.0	8.6	-8.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1601.0	0.0	34.7	-34.7	
27	400 kV	TALCHER-I/C	D/C	0.0	966.0	0.0	15.3	-15.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	67.8	-67.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	772	518	0.0	8.6	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	338	0.0	4.4	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	101	0.0	1.6	-2	
ER-NER						0.0	14.6	-14.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	800	0.0	17.1	-17.1	
NER-NR						0.0	17.1	-17.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	15.5	-15.5	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1267	0.0	30.8	-30.8	
36		GWALIOR-AGRA	D/C	5	583	0.0	13.6	-13.6	
37	765 kV	PHAGI-GWALIOR	D/C	8	595	0.0	5.5	-5.5	
38		JABALPUR-ORAI	D/C	277	204	2.2	0.0	2.2	
39		GWALIOR-ORAI	S/C	325	213	5.1	0.0	5.1	
40		SATNA-ORAI	S/C	0	1319	0.0	25.0	-25.0	
41		400 kV	ZERDA-KANKROLI	S/C	464	0	8.9	0.0	8.9
42			ZERDA -BHINMAL	S/C	358	0	5.8	0.0	5.8
43	V'CHAL -RIHAND		S/C	481	0	11.4	0.0	11.4	
44	RAPP-SHUJALPUR		D/C	390	45	3	0	3	
45	220 kV	BADOD-KOTA	S/C	95	0	2.1	0.0	2.1	
46		BADOD-MORAK	S/C	87	0	1.0	0.0	1.0	
47		MEHGAON-AURAIYA	S/C	125	0	2.0	0.0	2.0	
48	132kV	MALANPUR-AURAIYA	S/C	88	0	1.3	0.0	1.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						48.5	90.5	-41.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	21.5	-21.5	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	767	459	2.5	0.0	2.5	
53		WARDHA-NIZAMABAD	D/C	0	1547	0.0	23.8	-23.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	982	0	19.2	0.0	19.2	
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	1	0	0.0	0.0	0.0	
WR-SR						21.7	45.3	-23.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						20.2	
59		NEPAL						-4.5	
60		BANGLADESH						-18.4	