



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: 20th Sept 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 19.09.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th 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

20-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54747	51822	42823	21397	2596	173385
Peak Shortage (MW)	837	49	0	611	230	1727
Energy Met (MU)	1258	1239	930	447	52	3925
Hydro Gen (MU)	241	41	91	127	26	525
Wind Gen (MU)	26	40	136	-----	-----	202
Solar Gen (MU)*	20.60	18.6	47.01	0.95	0.02	87
Energy Shortage (MU)	9.9	1.5	0.0	0.0	1.9	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55529 19:44	53984 13:48	42492 19:07	21847 19:32	2815 18:24	172093 19:24

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	0.071	0.00	2.47	20.79	23.25	72.21	4.54

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	9821	0	226.3	90.9	-1.0	66	0.0	
	Haryana	8911	0	188.9	120.4	0.7	240	0.0	
	Rajasthan	10319	0	229.0	55.5	-1.3	316	0.0	
	Delhi	5047	0	108.6	83.6	-0.2	160	0.0	
	UP	18121	0	392.2	173.3	0.2	246	0.0	
	Uttarakhand	1910	110	39.0	18.2	1.8	181	1.8	
	HP	1466	0	30.4	7.5	1.8	292	0.0	
	J&K	2074	518	38.5	30.0	-4.3	43	8.0	
	Chandigarh	254	0	4.9	5.3	-0.3	38	0.0	
	WR	Chhattisgarh	4157	49	98.9	29.4	4.0	566	1.5
Gujarat		17767	0	395.7	123.3	5.8	718	0.0	
MP		9497	0	210.6	93.5	0.4	786	0.0	
Maharashtra		22252	0	484.5	153.5	-1.9	493	0.0	
Goa		460	0	12.7	8.8	0.8	87	0.0	
DD		331	0	7.3	5.7	1.5	102	0.0	
DNH		794	0	18.5	16.9	1.6	144	0.0	
Essar steel		553	0	10.5	10.1	0.4	290	0.0	
SR		Andhra Pradesh	7309	0	165.1	20.8	1.3	636	0.0
		Telangana	9198	0	195.1	91.4	-1.2	454	0.0
	Karnataka	9122	0	200.3	43.5	-1.6	364	0.0	
	Kerala	3541	0	70.3	46.6	0.5	211	0.0	
	Tamil Nadu	14002	0	292.6	104.5	-1.8	565	0.0	
	Pondy	352	0	7.0	7.2	-0.3	16	0.0	
ER	Bihar	4945	0	97.9	96.7	0.8	50	0.0	
	DVC	2453	0	50.5	-31.3	10.3	800	0.0	
	Jharkhand	1000	0	24.7	17.1	-0.5	100	0.0	
	Odisha	4904	0	96.5	21.9	3.7	200	0.0	
	West Bengal	8994	0	177.3	77.5	7.2	500	0.0	
	Sikkim	99	0	0.0	1.2	-1.2	15	0.0	
NER	Arunachal Pradesh	116	4	2.4	2.4	-0.1	42	0.0	
	Assam	1742	63	33.0	24.3	3.6	206	1.7	
	Manipur	188	3	2.2	2.4	-0.2	54	0.0	
	Meghalaya	312	8	4.8	-0.6	0.5	88	0.0	
	Mizoram	76	2	1.8	1.0	0.1	16	0.0	
	Nagaland	148	4	2.4	1.7	-0.4	37	0.0	
	Tripura	293	3	4.9	4.1	0.8	150	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.3	-5.7	-22.6
Day peak (MW)	1407.8	-196.0	-945.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	233.7	-191.0	8.1	-49.5	-1.0	0.3
Actual(MU)	231.6	-195.9	-10.6	-28.1	2.1	-0.9
O/D/U/D(MU)	-2.2	-4.9	-18.7	21.4	3.1	-1.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2739	14707	5992	1620	413	25471
State Sector	6020	12426	6810	7115	50	32421
Total	8759	27133	12802	8735	463	57892

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	701	1263	583	384	4	2934
Hydro	241	41	91	127	26	525
Nuclear	23	25	32	0	0	81
Gas, Naptha & Diesel	38	52	25	0	24	139
RES (Wind, Solar, Biomass & Others)	67	59	225	1	0	352
Total	1069	1440	957	511	53	4031

Share of RES in total generation (%)	6.24	4.09	23.57	0.19	0.07	8.74
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.90	8.69	36.45	25.01	48.70	23.77

H. Diversity Factor

All India Demand Diversity Factor	1.027
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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 : 20-Sep-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	222	286	0.0	2.1	-2.1	
2		SASARAM-FATEHPUR	S/C	572	0	9.2	0.0	9.2	
3		GAYA-BALIA	S/C	0	334	0.0	6.3	-6.3	
4		ALIPURDUAR-AGRA	-	0	1302	0.0	31.6	-31.6	
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.4	-9.4	
6		PUSAULI-VARANASI	S/C	0	324	0.0	7.6	-7.6	
7		PUSAULI -ALLAHABAD	S/C	0	146	0.0	2.6	-2.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	175	557	0.0	6.0	-6.0	
9		PATNA-BALIA	Q/C	0	596	0.0	10.5	-10.5	
10		BIHARSHARIFF-BALIA	D/C	117	136	0.0	0.5	-0.5	
11		MOTIHARI-GORAKHPUR	D/C	294	0	4.1	0.0	4.1	
12		BIHARSHARIFF-VARANASI	D/C	385	0	4.5	0.0	4.5	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	168	0.0	3.4	-3.4
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	0	0.3	0.0	0.3	
16	132 kV	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						18.1	80.0	-61.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	765	24	7.1	0.0	7.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1406	0	20.3	0.0	20.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	965	0	14.2	0.0	14.2	
21		RANCHI-SIPAT	D/C	697	0	10.3	0.0	10.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	181	0	2.6	0.0	2.6	
ER-WR						54.5	0.0	54.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	144.0	1202.0	0.0	16.8	-16.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	478.0	0.0	11.2	-11.2	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1275.0	0.0	22.6	-22.6	
27	400 kV	TALCHER-I/C	D/C	17.0	392.0	17.5	0.0	17.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	50.6	-50.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	809	0.0	15.0	-15	
30		ALIPURDUAR-BONGAIGAON	D/C	170	256	0.0	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	162	0.0	2.3	-2	
ER-NER						0.0	17.2	-17.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.6	-16.6	
NER-NR						0.0	16.6	-16.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	28.3	-28.3	
34		V'CHAL B/B	D/C	243	253	5.6	0.2	5.4	
35		APL -MHG	D/C	0	1219	0.0	30.3	-30.3	
36		GWALIOR-AGRA	D/C	0	1477	0.0	54.9	-54.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1393	0.0	25.2	-25.2	
38		JABALPUR-ORAI	D/C	0	720	0.0	22.1	-22.1	
39		GWALIOR-ORAI	S/C	371	0	7.5	0.0	7.5	
40		SATNA-ORAI	S/C	0	2010	0.0	43.7	-43.7	
41		400 kV	ZERDA-KANKROLI	S/C	295	28	4.1	0.0	4.1
42			ZERDA -BHINMAL	S/C	257	64	2.2	0.0	2.2
43	V'CHAL -RIHAND		S/C	969	0	22.6	0.0	22.6	
44	RAPP-SHUJALPUR		D/C	39	368	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	49	28	0.5	0.1	0.4	
46		BADOD-MORAK	S/C	32	45	0.1	0.3	-0.3	
47		MEHGAON-AURAIYA	S/C	75	9	0.7	0.0	0.7	
48	132kV	MALANPUR-AURAIYA	S/C	43	27	0.2	0.2	0.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						43.3	206.8	-163.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	309	0.0	7.1	-7.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	2344	329	22.6	0.0	22.6	
53		WARDHA-NIZAMABAD	D/C	337	1388	0.0	13.3	-13.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1271	0	21.0	0.0	21.0	
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	106	2.1	0.0	2.1	
WR-SR						45.7	20.4	25.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						35.3	
59		NEPAL						-5.7	
60		BANGLADESH						-22.6	