



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: 14th Sept 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 13.09.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-सितंबर-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 13th 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

14-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52421	48009	42064	20728	2574	165796
Peak Shortage (MW)	747	248	0	100	92	1187
Energy Met (MU)	1133	1159	981	448	46	3768
Hydro Gen (MU)	308	37	96	127	30	597
Wind Gen (MU)	37	73	51	-----	-----	161
Solar Gen (MU)*	21.43	17.38	59.74	0.84	0.02	99
Energy Shortage (MU)	9.4	0.9	0.0	0.0	1.3	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53809 19:30	50323 14:31	42762 12:29	20925 19:41	2652 18:37	166958 19:11

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	1.54	14.51	16.05	78.23	5.72

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	9648	0	205.3	111.1	-0.5	82	0.0	
	Haryana	8352	38	170.2	122.0	1.0	277	0.1	
	Rajasthan	9137	0	203.3	38.4	0.0	378	0.0	
	Delhi	5113	0	106.5	85.2	-1.2	204	0.0	
	UP	16733	0	339.6	155.1	1.0	319	0.0	
	Uttarakhand	1856	0	38.2	18.1	-0.8	121	0.3	
	HP	1328	14	27.9	-0.9	2.8	291	0.2	
	J&K	1880	470	37.3	17.7	-4.4	71	8.9	
	Chandigarh	255	0	5.0	5.4	-0.3	27	0.0	
	WR	Chhattisgarh	4220	60	96.8	23.4	0.0	592	0.9
Gujarat		16165	0	362.5	80.0	5.9	530	0.0	
MP		8547	0	188.1	80.7	-0.5	513	0.0	
Maharashtra		20789	0	466.1	156.8	3.1	461	0.0	
Goa		425	0	12.1	6.7	2.4	118	0.0	
DD		317	0	6.6	6.2	0.5	64	0.0	
DNH		765	0	16.2	17.0	-0.8	58	0.0	
Essar steel		558	0	10.9	11.1	-0.3	244	0.0	
SR		Andhra Pradesh	8329	0	180.4	61.6	-0.5	498	0.0
		Telangana	9839	0	217.0	108.4	-1.2	456	0.0
	Karnataka	9170	0	193.8	50.8	-2.1	360	0.0	
	Kerala	3496	0	69.5	43.3	0.6	306	0.0	
	Tamil Nadu	14131	0	313.3	149.4	-0.2	489	0.0	
	Pondy	343	0	7.4	7.6	-0.2	30	0.0	
ER	Bihar	4839	0	95.3	90.3	4.2	315	0.0	
	DVC	2936	0	62.6	-29.5	5.0	553	0.0	
	Jharkhand	998	0	25.4	17.3	0.7	36	0.0	
	Odisha	4620	0	95.5	28.2	1.6	400	0.0	
	West Bengal	8443	0	168.3	60.7	2.9	400	0.0	
	Sikkim	85	0	1.1	0.7	0.3	63	0.0	
NER	Arunachal Pradesh	121	2	2.4	3.3	-0.9	8	0.0	
	Assam	1641	44	30.4	23.3	1.3	234	1.2	
	Manipur	170	3	2.2	2.3	-0.1	59	0.0	
	Meghalaya	298	0	4.2	-1.0	1.0	18	0.0	
	Mizoram	78	2	1.5	1.3	-0.1	10	0.0	
	Nagaland	110	8	2.2	1.9	-0.1	0	0.0	
	Tripura	267	3	3.7	3.6	-0.1	57	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.6	-0.9	-22.0
Day peak (MW)	1548.1	3.7	623.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	191.7	-242.3	109.4	-49.8	-8.7	0.3
Actual(MU)	169.5	-223.0	110.5	-27.3	-10.6	19.1
O/D/U/D(MU)	-22.2	19.3	1.1	22.5	-1.9	18.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5096	14797	7542	1120	176	28731
State Sector	10135	14353	5943	5715	50	36196
Total	15231	29150	13485	6835	225	64926

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	556	1257	596	391	8	2808
Hydro	308	37	96	127	30	597
Nuclear	23	27	20	0	0	70
Gas, Naptha & Diesel	25	68	25	0	22	140
RES (Wind, Solar, Biomass & Others)	71	91	153	1	0	316
Total	983	1481	888	518	60	3931

Share of RES in total generation (%)	7.24	6.17	17.18	0.17	0.06	8.04
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.92	10.52	30.14	24.58	49.69	25.01

H. Diversity Factor

All India Demand Diversity Factor	1.021
-----------------------------------	-------

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 : 14-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	138	171	0.3	0.0	0.3
2		SASARAM-FATEHPUR	S/C	361	0	5.1	0.0	5.1
3		GAYA-BALIA	S/C	0	272	0.0	3.3	-3.3
4		ALIPURDUAR-AGRA	-	0	1300	0.0	31.1	-31.1
5	HVDC	PUSAULI B/B	S/C	2	148	0.0	3.4	-3.4
6	400 kV	PUSAULI-VARANASI	S/C	0	175	0.0	3.4	-3.4
7		PUSAULI -ALLAHABAD	S/C	40	35	0.1	0.0	0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	499	0.0	6.8	-6.8
9		PATNA-BALIA	Q/C	0	578	0.0	9.7	-9.7
10		BIHARSHARIFF-BALIA	D/C	50	132	0.0	1.4	-1.4
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.9	0.0	4.9
12		BIHARSHARIFF-VARANASI	D/C	281	2	2.5	0.0	2.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	162	0.0	3.7	-3.7
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						13.4	62.7	-49.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1391	0	26.6	0.0	26.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	944	0	14.9	0.0	14.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1151	0	17.7	0.0	17.7
21		RANCHI-SIPAT	D/C	568	0	8.8	0.0	8.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	305	0	5.2	0.0	5.2
ER-WR						73.2	0.0	73.2
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1681.0	0.0	28.1	-28.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	579.0	0.0	13.8	-13.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1884.0	0.0	47.8	-47.8
27	400 kV	TALCHER-I/C	D/C	0.0	759.0	0.0	7.4	-7.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	89.7	-89.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	628	0.0	8.3	-8
30		ALIPURDUAR-BONGAIGAON	D/C	397	47	3.4	0.0	3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	121	0.0	1.3	-1
ER-NER						3.4	9.5	-6.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.0	-17.0
NER-NR						0.0	17.0	-17.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	15.9	-15.9
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1169	0.0	23.2	-23.2
36		GWALIOR-AGRA	D/C	0	1188	0.0	40.6	-40.6
37	765 kV	PHAGI-GWALIOR	D/C	0	1023	0.0	19.7	-19.7
38		JABALPUR-ORAI	D/C	22	542	0.0	13.4	-13.4
39		GWALIOR-ORAI	S/C	318	0	6.3	0.0	6.3
40		SATNA-ORAI	S/C	0	1789	0.0	40.7	-40.7
41		ZERDA-KANKROLI	S/C	331	0	4.2	0.0	4.2
42	400 kV	ZERDA -BHINMAL	S/C	261	39	2.9	0.0	2.9
43		V'CHAL -RIHAND	S/C	969	0	22.1	0.0	22.1
44		RAPP-SHUJALPUR	D/C	200	224	0	0	0
45	220 kV	BADOD-KOTA	S/C	76	10	0.7	0.0	0.7
46		BADOD-MORAK	S/C	48	44	0.2	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	47	24	0.2	0.1	0.1
48	132kV	MALANPUR-AURAIYA	S/C	20	41	0.0	0.5	-0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.6	154.3	-111.7
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	992	0.0	22.2	-22.2
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	512	1447	9.9	0.0	9.9
53		WARDHA-NIZAMABAD	D/C	0	2229	0.0	35.4	-35.4
54	400 kV	KOLHAPUR-KUDGI	D/C	594	0	9.5	0.0	9.5
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	96	1.8	0.0	1.8
WR-SR						21.2	57.6	-36.4
TRANSNATIONAL EXCHANGE								
58		BHUTAN						37.6
59		NEPAL						-0.9
60		BANGLADESH						-22.0