



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: 24th 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 23.09.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-सितंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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 23rd 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 24-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	40319	44826	40552	21177	2605	149479
Peak Shortage (MW)	451	0	0	664	98	1213
Energy Met (MU)	854	1076	924	438	50	3342
Hydro Gen (MU)	277	59	100	118	24	578
Wind Gen (MU)	15	64	29	-----	-----	108
Solar Gen (MU)*	18.82	12.67	61.12	0.13	0.02	93
Energy Shortage (MU)	7.8	0.0	0.0	0.0	0.7	8.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41179 19:35	47323 07:25	40411 19:30	21706 20:57	2636 19:02	151251 19:28

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	0.033	0.14	0.94	4.25	5.32	85.29	9.39

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	4343	0	106.9	85.4	-4.4	134	0.0	
	Haryana	5007	0	100.4	90.7	0.0	337	0.0	
	Rajasthan	8649	0	176.9	35.6	1.0	484	0.0	
	Delhi	3930	0	83.9	63.5	-2.0	61	0.0	
	UP	14792	0	292.1	144.5	0.5	403	0.0	
	Uttarakhand	1752	0	32.9	16.4	-2.2	135	0.0	
	HP	1166	0	24.3	4.2	-0.5	87	0.0	
	J&K	1843	461	33.1	25.0	-12.2	0	7.8	
	Chandigarh	170	0	3.4	5.2	-1.8	0	0.0	
	WR	Chhattisgarh	3874	0	86.5	22.7	-2.7	329	0.0
Gujarat		14378	0	332.1	112.6	2.6	757	0.0	
MP		8058	0	170.9	46.9	-0.6	422	0.0	
Maharashtra		19915	0	436.1	128.9	-1.3	755	0.0	
Goa		460	0	12.3	7.5	2.1	52	0.0	
DD		319	0	7.3	6.1	1.2	73	0.0	
DNH		771	0	18.2	17.2	1.0	109	0.0	
Essar steel		617	0	12.7	11.9	0.8	327	0.0	
SR		Andhra Pradesh	7616	0	169.4	38.8	3.2	551	0.0
		Telangana	8814	0	194.1	88.6	4.6	454	0.0
	Karnataka	9243	0	196.2	44.1	1.0	547	0.0	
	Kerala	3430	0	66.3	44.6	1.0	231	0.0	
	Tamil Nadu	12953	0	290.8	157.2	0.7	607	0.0	
	Pondy	323	0	7.1	7.0	0.1	37	0.0	
ER	Bihar	4916	0	94.0	90.6	3.3	395	0.0	
	DVC	2882	0	64.4	-19.1	5.3	402	0.0	
	Jharkhand	1152	-104	24.6	17.3	-0.4	185	0.0	
	Odisha	5026	0	106.4	40.1	2.6	358	0.0	
	West Bengal	8071	0	147.9	46.4	3.3	425	0.0	
	Sikkim	78	0	1.0	1.2	-0.3	15	0.0	
NER	Arunachal Pradesh	112	3	2.2	2.8	-0.5	42	0.0	
	Assam	1660	72	31.5	25.2	1.3	206	0.6	
	Manipur	180	3	2.4	2.4	0.0	54	0.0	
	Meghalaya	272	0	5.3	1.6	-0.1	88	0.0	
	Mizoram	76	2	1.6	1.0	0.2	16	0.0	
	Nagaland	118	2	2.1	1.8	0.0	37	0.0	
	Tripura	282	1	5.0	4.5	0.7	150	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	28.2	-4.2	-22.4
Day peak (MW)	1269.0	-198.0	-966.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	143.0	-179.5	59.4	-30.0	3.1	-4.0
Actual(MU)	105.5	-176.0	78.8	-12.4	3.2	-0.9
O/D/U/D(MU)	-37.5	3.6	19.4	17.6	0.1	3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4670	16057	6942	1620	465	29755
State Sector	13185	14891	6910	6515	50	41551
Total	17855	30948	13852	8135	515	71305

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	396	1057	583	362	4	2402
Hydro	277	59	100	118	24	578
Nuclear	23	27	19	0	0	70
Gas, Naptha & Diesel	21	48	25	0	23	116
RES (Wind, Solar, Biomass & Others)	53	78	131	0	0	261
Total	769	1270	858	481	51	3428

Share of RES in total generation (%)	6.86	6.10	15.27	0.04	0.05	7.63
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.84	12.94	29.17	24.60	46.97	26.52

H. Diversity Factor

All India Demand Diversity Factor	1.013
-----------------------------------	-------

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 : 24-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	401	0	3.6	0.0	3.6	
2		SASARAM-FATEHPUR	S/C	560	0	9.1	0.0	9.1	
3		GAYA-BALIA	S/C	32	179	0.0	2.1	-2.1	
4		ALIPURDUAR-AGRA	-	0	1199	0.0	27.8	-27.8	
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6	
6		PUSAULI-VARANASI	S/C	0	344	0.0	7.3	-7.3	
7		PUSAULI -ALLAHABAD	S/C	0	128	0.0	2.2	-2.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	230	293	0.0	0.9	-0.9	
9		PATNA-BALIA	Q/C	0	448	0.0	6.9	-6.9	
10		BIHARSHARIFF-BALIA	D/C	164	19	1.1	0.0	1.1	
11		MOTIHARI-GORAKHPUR	D/C	337	0	5.4	0.0	5.4	
12		BIHARSHARIFF-VARANASI	D/C	457	0	5.7	0.0	5.7	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	198	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	0.7	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						25.5	60.5	-35.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1757	0	29.4	0.0	29.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1001	0	13.2	0.0	13.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1328	0	20.5	0.0	20.5	
21		RANCHI-SIPAT	D/C	542	0	8.6	0.0	8.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	272	0	4.7	0.0	4.7	
ER-WR						76.3	0.0	76.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1592.0	0.0	27.4	-27.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	469.0	0.0	11.2	-11.2	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1595.0	0.0	36.3	-36.3	
27	400 kV	TALCHER-I/C	D/C	0.0	804.0	0.0	5.4	-5.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	74.8	-74.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	749	0.0	13.8	-14	
30		ALIPURDUAR-BONGAIGAON	D/C	66	255	0.0	2.0	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	154	0.0	2.5	-3	
ER-NER						0.0	18.3	-18.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	500	0.0	5.0	-5.0	
34		V'CHAL B/B	D/C	242	53	0.8	0.6	0.2	
35		APL -MHG	D/C	0	784	0.0	18.9	-18.9	
36		GWALIOR-AGRA	D/C	0	839	0.0	23.8	-23.8	
37	765 kV	PHAGI-GWALIOR	D/C	0	946	0.0	13.4	-13.4	
38		JABALPUR-ORAI	D/C	174	334	0.0	7.0	-7.0	
39		GWALIOR-ORAI	S/C	355	0	7.8	0.0	7.8	
40		SATNA-ORAI	S/C	0	1604	0.0	31.1	-31.1	
41		400 kV	ZERDA-KANKROLI	S/C	556	0	8.5	0.0	8.5
42			ZERDA -BHINMAL	S/C	403	16	5.2	0.0	5.2
43			V'CHAL -RIHAND	S/C	802	0	10.1	0.0	10.1
44			RAPP-SHUJALPUR	D/C	221	216	0	0	0
45	220 kV	BADOD-KOTA	S/C	81	16	0.5	0.0	0.4	
46		BADOD-MORAK	S/C	29	33	0.1	0.2	-0.1	
47		MEHGAON-AURAIYA	S/C	68	0	0.6	0.0	0.6	
48	132kV	MALANPUR-AURAIYA	S/C	38	21	0.1	0.2	0.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						33.6	100.2	-66.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	502	0.0	11.9	-11.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	380	740	0.0	6.5	-6.5	
53		WARDHA-NIZAMABAD	D/C	0	1756	0.0	29.3	-29.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	929	0	14.1	0.0	14.1	
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	100	2.0	0.0	2.0	
WR-SR						16.1	47.8	-31.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						28.2	
59		NEPAL						-4.2	
60		BANGLADESH						-22.4	