



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: 15th 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 14.09.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53847	49910	44967	20951	2681	172356
Peak Shortage (MW)	1333	500	15	300	112	2260
Energy Met (MU)	1169	1199	1005	452	49	3874
Hydro Gen (MU)	301	54	100	122	31	608
Wind Gen (MU)	31	46	41	-----	-----	119
Solar Gen (MU)*	21.67	18.29	60.47	0.94	0.02	101
Energy Shortage (MU)	10.2	3.2	0.1	0.0	1.3	14.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54649 19:46	53045 11:07	44850 15:30	21465 20:15	2639 18:43	173170 19:20

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	0.057	0.09	1.01	17.41	18.51	76.35	5.14

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	9687	0	206.7	111.8	-0.9	178	0.0	
	Haryana	8309	130	176.3	124.4	1.1	301	0.8	
	Rajasthan	9854	0	213.0	54.6	-0.1	381	0.0	
	Delhi	5010	0	106.9	85.4	-0.9	133	0.0	
	UP	17284	420	356.0	155.5	1.4	461	0.2	
	Uttarakhand	1981	0	39.3	17.9	0.2	235	0.1	
	HP	1354	0	28.2	0.6	3.8	229	0.0	
	J&K	2012	503	37.9	17.4	-3.5	64	9.0	
	Chandigarh	256	0	5.1	5.6	-0.5	19	0.0	
	WR	Chhattisgarh	3992	0	96.8	23.6	0.5	460	3.1
Gujarat		17029	0	374.0	96.4	7.1	670	0.0	
MP		8865	0	193.7	78.4	-0.4	771	0.0	
Maharashtra		22602	0	487.3	149.7	4.5	2168	0.1	
Goa		425	0	11.5	6.9	2.2	64	0.0	
DD		343	0	7.1	6.0	1.2	126	0.0	
DNH		774	0	17.9	16.9	1.0	92	0.0	
Essar steel		500	0	10.6	10.5	0.1	248	0.0	
SR		Andhra Pradesh	8497	0	182.5	56.3	1.1	625	0.0
		Telangana	10438	0	228.1	111.4	-0.2	295	0.0
	Karnataka	9551	0	203.3	53.0	-1.8	385	0.0	
	Kerala	3496	0	69.9	44.5	0.4	186	0.0	
	Tamil Nadu	14441	0	313.7	151.7	-1.8	400	0.0	
	Pondy	357	15	7.7	7.6	0.1	46	0.1	
	ER	Bihar	5073	0	93.7	93.0	0.2	220	0.0
DVC		2914	0	61.9	-30.4	7.3	225	0.0	
Jharkhand		1000	0	24.6	17.5	-0.2	56	0.0	
Odisha		4671	0	102.8	26.6	1.9	220	0.0	
West Bengal		8455	0	168.1	61.0	2.1	225	0.0	
Sikkim		84	0	1.0	1.1	-0.1	12	0.0	
NER	Arunachal Pradesh	128	2	2.3	2.9	-0.6	8	0.0	
	Assam	1712	89	30.4	23.0	1.4	234	1.2	
	Manipur	188	2	2.4	2.4	0.0	59	0.0	
	Meghalaya	279	0	4.7	-0.8	0.6	18	0.0	
	Mizoram	82	1	1.6	0.9	0.3	10	0.0	
	Nagaland	116	6	2.4	1.8	0.2	0	0.0	
	Tripura	261	0	4.8	3.9	0.0	57	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.2	-4.4	-22.1
Day peak (MW)	1583.1	-396.2	-960.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	201.1	-230.7	87.0	-45.7	-10.8	0.9
Actual(MU)	183.9	-222.3	82.7	-30.8	-12.8	0.8
O/D/U/D(MU)	-17.2	8.4	-4.3	15.0	-2.0	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4596	15187	6742	0	153	26679
State Sector	10335	13299	5143	0	50	28827
Total	14931	28486	11885	0	203	55505

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	591	1218	633	386	9	2838
Hydro	301	54	100	122	31	608
Nuclear	23	27	34	0	0	84
Gas, Naptha & Diesel	25	84	24	0	24	157
RES (Wind, Solar, Biomass & Others)	66	65	143	1	0	276
Total	1007	1449	933	509	64	3963

Share of RES in total generation (%)	6.56	4.51	15.33	0.19	0.05	6.95
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.78	10.13	29.63	24.16	48.15	24.42

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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 : 15-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	109	211	0.0	1.0	-1.0	
2		SASARAM-FATEHPUR	S/C	393	0	4.7	0.0	4.7	
3		GAYA-BALIA	S/C	0	276	0.0	3.5	-3.5	
4		ALIPURDUAR-AGRA	-	0	1307	0.0	30.3	-30.3	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.4	-3.4	
6		PUSAULI-VARANASI	S/C	0	180	0.0	3.3	-3.3	
7		PUSAULI -ALLAHABAD	S/C	19	45	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	651	0.0	9.3	-9.3	
9		PATNA-BALIA	Q/C	0	631	0.0	10.5	-10.5	
10		BIHARSHARIFF-BALIA	D/C	59	138	0.0	1.6	-1.6	
11		MOTIHARI-GORAKHPUR	D/C	296	0	4.3	0.0	4.3	
12		BIHARSHARIFF-VARANASI	D/C	303	6	2.3	0.0	2.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	165	0.0	3.3	-3.3
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						11.9	66.3	-54.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	999	0	19.1	0.0	19.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	976	0	13.5	0.0	13.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	939	0	14.2	0.0	14.2	
21		RANCHI-SIPAT	D/C	556	0	9.2	0.0	9.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	277	0	4.4	0.0	4.4	
ER-WR						60.3	0.0	60.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1606.0	0.0	26.1	-26.1	
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	1879.0	0.0	37.8	-37.8	
27	400 kV	TALCHER-I/C	D/C	0.0	686.0	3.8	0.0	3.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	77.7	-77.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	628	0.0	7.3	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	453	52	6.7	0.0	7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	4	123	0.0	0.9	-1	
ER-NER						6.7	8.3	-1.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.4	-16.4	
NER-NR						0.0	16.4	-16.4	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	15.0	-15.0	
34		V'CHAL B/B	D/C	242	0	6.5	0.0	6.5	
35		APL -MHG	D/C	0	980	0.0	22.1	-22.1	
36		GWALIOR-AGRA	D/C	0	1226	0.0	43.8	-43.8	
37	765 kV	PHAGI-GWALIOR	D/C	0	1235	0.0	24.0	-24.0	
38		JABALPUR-ORAI	D/C	14	542	0.0	14.1	-14.1	
39		GWALIOR-ORAI	S/C	386	0	7.9	0.0	7.9	
40		SATNA-ORAI	S/C	0	1868	0.0	41.3	-41.3	
41		400 kV	ZERDA-KANKROLI	S/C	350	22	4.4	0.0	4.4
42			ZERDA -BHINMAL	S/C	236	59	2.6	0.0	2.6
43	V'CHAL -RIHAND		S/C	961	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	133	303	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	75	10	0.8	0.0	0.8	
46		BADOD-MORAK	S/C	51	28	0.2	0.1	0.1	
47		MEHGAON-AURAIYA	S/C	44	11	0.3	0.0	0.3	
48	132kV	MALANPUR-AURAIYA	S/C	19	40	0.0	0.4	-0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						45.1	161.4	-116.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	792	0.0	17.1	-17.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	426	827	0.0	7.6	-7.6	
53		WARDHA-NIZAMABAD	D/C	0	1990	0.0	34.1	-34.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	742	0	11.0	0.0	11.0	
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	99	1.9	0.0	1.9	
WR-SR						12.9	58.8	-45.9	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						37.2	
59		NEPAL						-4.4	
60		BANGLADESH						-22.1	