



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: 2nd 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 01.09.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 1st September 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53512	43923	41233	20903	2708	162279
Peak Shortage (MW)	762	0	0	294	123	1179
Energy Met (MU)	1193	1005	928	438	53	3615
Hydro Gen (MU)	356	42	200	116	25	740
Wind Gen (MU)	30	77	135	-----	-----	242
Solar Gen (MU)*	19.04	11.4	54.07	0.54	0.02	85
Energy Shortage (MU)	9.1	0.0	0.0	0.9	1.6	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55410 19:47	44901 19:15	40998 19:37	21075 19:26	2724 19:48	164494 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	0.023	0.00	0.00	3.55	3.55	88.83	7.62

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	11291	0	258.5	142.7	-0.7	65	0.0	
	Haryana	8482	0	180.9	148.4	0.2	228	0.0	
	Rajasthan	9953	0	222.5	66.4	0.1	313	0.0	
	Delhi	5346	0	104.0	81.3	0.4	263	0.0	
	UP	15605	270	314.5	159.4	0.7	489	0.0	
	Uttarakhand	1810	0	39.1	16.6	0.2	223	0.0	
	HP	1409	0	29.7	0.4	2.0	141	0.0	
	J&K	1969	492	38.0	20.8	-7.1	5	9.0	
	Chandigarh	258	0	5.5	6.2	-0.7	4	0.0	
	WR	Chhattisgarh	3625	0	79.8	16.4	-2.5	279	0.0
Gujarat		13385	0	300.2	81.6	4.9	231	0.0	
MP		7197	0	155.4	54.0	-1.0	726	0.0	
Maharashtra		19364	0	421.8	129.7	-0.7	532	0.0	
Goa		403	0	11.3	8.8	1.9	43	0.0	
DD		337	0	7.6	6.5	1.1	84	0.0	
DNH		770	0	18.0	16.9	1.1	99	0.0	
Essar steel		549	0	10.5	10.2	0.2	191	0.0	
SR		Andhra Pradesh	8134	0	181.9	26.2	1.0	623	0.0
		Telangana	9631	0	205.9	59.6	-0.8	552	0.0
	Karnataka	8100	0	178.0	39.0	-1.6	654	0.0	
	Kerala	3293	0	65.7	30.7	0.9	312	0.0	
	Tamil Nadu	13592	0	289.0	85.7	0.1	561	0.0	
	Pondy	327	0	7.0	7.0	-0.1	56	0.0	
ER	Bihar	4727	0	90.9	91.7	-0.8	70	0.0	
	DVC	2987	0	67.5	-24.5	3.9	440	0.9	
	Jharkhand	1020	0	22.5	17.9	-1.2	0	0.0	
	Odisha	4723	0	88.7	28.3	0.2	200	0.0	
	West Bengal	8109	0	167.0	61.8	4.6	130	0.0	
	Sikkim	92	0	1.2	1.4	-0.3	0	0.0	
NER	Arunachal Pradesh	122	11	2.4	2.4	0.0	6	0.0	
	Assam	1750	110	33.9	28.6	0.7	209	1.5	
	Manipur	173	9	2.2	2.2	0.0	34	0.0	
	Meghalaya	295	10	5.8	-0.3	0.4	8	0.0	
	Mizoram	76	3	1.4	0.8	0.3	4	0.0	
	Nagaland	112	3	2.3	1.7	0.2	24	0.0	
	Tripura	265	15	4.7	4.2	0.5	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.2	-6.7	-15.1
Day peak (MW)	1568.5	-363.0	-676.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	250.7	-265.2	48.8	-41.6	5.8	-1.5
Actual(MU)	235.6	-252.3	46.9	-35.9	7.4	1.7
O/D/U/D(MU)	-15.1	12.9	-1.9	5.7	1.6	3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5041	13574	11082	2145	505	32348
State Sector	9230	17899	9223	7465	50	43867
Total	14271	31473	20305	9610	555	76214

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	514	1092	418	380	8	2411
Hydro	356	42	200	116	25	740
Nuclear	27	27	19	0	0	74
Gas, Naptha & Diesel	21	31	23	0	16	91
RES (Wind, Solar, Biomass & Others)	63	89	230	1	0	382
Total	982	1281	890	497	49	3698

Share of RES in total generation (%)	6.40	6.94	25.80	0.11	0.10	10.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.51	12.33	50.44	23.51	51.82	32.33

H. Diversity Factor

All India Demand Diversity Factor	1.004
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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 : 2-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	181	198	0.0	0.2	-0.2	
2		SASARAM-FATEHPUR	S/C	20	0	5.8	0.0	5.8	
3		GAYA-BALIA	S/C	1	278	0.0	3.2	-3.2	
4		ALIPURDUAR-AGRA	-	0	1876	0.0	35.9	-35.9	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	111	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	50	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	86	335	0.0	1.8	-1.8	
9		PATNA-BALIA	Q/C	0	1127	0.0	12.0	-12.0	
10		BIHARSHARIFF-BALIA	D/C	26	191	0.0	0.4	-0.4	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.1	0.0	4.1	
12		BIHARSHARIFF-VARANASI	D/C	224	0	3.5	0.0	3.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	1	0	0.0	3.2	-3.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.5	0.0	0.5	
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						13.9	60.4	-46.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1095	2	16.7	0.0	16.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1016	0	16.2	0.0	16.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1169	0	18.1	0.0	18.1	
21		RANCHI-SIPAT	D/C	458	0	8.4	0.0	8.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	309	0	5.2	0.0	5.2	
ER-WR						64.5	0.0	64.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1561.8	0.0	20.2	-20.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	465.9	0.0	10.9	-10.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	993.4	0.0	23.8	-23.8	
27	400 kV	TALCHER-I/C	D/C	1254.8	0.8	0.0	16.0	-16.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	54.9	-54.9	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	755	0.0	11.0	-11	
30		ALIPURDUAR-BONGAIGAON	D/C	490	353	0.0	0.2	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	162	0.0	2.1	-2	
ER-NER						0.0	13.3	-13.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	512	0.0	6.7	-6.7	
NER-NR						0.0	6.7	-6.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2409	0.0	52.7	-52.7	
34		V'CHAL B/B	D/C	241	253	3.9	1.7	2.2	
35		APL -MHG	D/C	0	1918	0.0	44.5	-44.5	
36		GWALIOR-AGRA	D/C	0	1308	0.0	43.2	-43.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1240	0.0	23.5	-23.5	
38		JABALPUR-ORAI	D/C	122	547	0.0	14.5	-14.5	
39		GWALIOR-ORAI	S/C	382	0	7.1	0.0	7.1	
40		SATNA-ORAI	S/C	0	1985	0.0	40.0	-40.0	
41		400 kV	ZERDA-KANKROLI	S/C	458	0	4.9	0.0	4.9
42			ZERDA -BHINMAL	S/C	289	39	2.6	0.0	2.6
43	V'CHAL -RIHAND		S/C	960	0	19.6	0.0	19.6	
44	RAPP-SHUJALPUR		D/C	152	285	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	28	23	0.3	0.3	0.0	
46		BADOD-MORAK	S/C	9	51	0.0	0.7	-0.6	
47		MEHGAON-AURAIYA	S/C	0	42	0.1	0.3	-0.3	
48	132kV	MALANPUR-AURAIYA	S/C	15	55	0.0	0.7	-0.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.5	223.4	-185.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	613	0.0	8.8	-8.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	805	271	5.9	0.0	5.9	
53		WARDHA-NIZAMABAD	D/C	0	1784	0.0	21.7	-21.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	950	0	13.5	0.0	13.5	
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	95	1.8	0.0	1.8	
WR-SR						21.1	30.5	-9.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.2	
59		NEPAL						-6.7	
60		BANGLADESH						-15.1	