



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: 9th 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 08.09.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8th 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)	49668	45575	43518	20707	2687	162155
Peak Shortage (MW)	734	0	335	775	119	1963
Energy Met (MU)	1056	1058	1015	430	51	3610
Hydro Gen (MU)	351	45	160	117	24	697
Wind Gen (MU)	12	82	125	-----	-----	219
Solar Gen (MU)*	15.85	11.6	57.95	0.92	0.01	86
Energy Shortage (MU)	9.1	0.0	1.1	2.3	1.3	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49871 19:33	46900 19:03	44286 15:24	20842 20:43	2719 19:05	163311 19:31

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	0.038	0.00	0.59	8.52	9.11	86.37	4.53

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	9242	0	199.0	119.0	-0.3	120	0.0	
	Haryana	7203	0	145.9	129.4	0.8	357	0.0	
	Rajasthan	9604	0	200.4	72.1	-0.5	455	0.0	
	Delhi	4314	0	92.9	71.6	-1.0	96	0.0	
	UP	15830	200	304.9	140.8	0.0	234	0.0	
	Uttarakhand	1904	0	41.5	18.9	2.8	274	0.0	
	HP	1370	0	27.8	-1.6	1.8	143	0.0	
	J&K	2137	534	38.2	18.8	-4.3	48	9.1	
	Chandigarh	249	0	5.1	5.9	-0.8	-1	0.0	
	WR	Chhattisgarh	3544	0	78.4	12.2	-2.9	345	0.0
Gujarat		15155	0	338.2	125.8	2.9	568	0.0	
MP		7035	0	142.6	44.6	-2.9	290	0.0	
Maharashtra		20496	0	449.7	148.1	-0.1	675	0.0	
Goa		403	0	12.7	9.3	-0.3	28	0.0	
DD		342	0	7.8	7.3	0.5	54	0.0	
DNH		801	0	18.7	17.8	0.9	87	0.0	
Essar steel		490	0	9.6	9.8	-0.2	238	0.0	
SR		Andhra Pradesh	8919	0	187.9	30.9	4.1	771	0.0
		Telangana	10464	0	224.5	102.5	1.7	500	0.0
	Karnataka	9844	0	201.8	46.6	3.0	756	0.0	
	Kerala	3295	325	68.3	35.0	0.8	316	1.0	
	Tamil Nadu	14521	0	325.0	113.9	4.3	868	0.0	
	Pondy	361	30	7.9	7.3	0.6	74	0.1	
ER	Bihar	4712	0	92.2	92.0	-0.2	370	0.0	
	DVC	2809	0	61.4	-29.0	4.4	400	1.4	
	Jharkhand	1078	100	22.8	17.9	1.9	190	0.3	
	Odisha	4931	100	102.4	43.3	2.3	425	0.6	
	West Bengal	7962	0	150.3	59.4	1.1	485	0.0	
	Sikkim	94	0	1.3	1.3	0.0	20	0.0	
NER	Arunachal Pradesh	96	2	2.1	2.3	-0.2	30	0.0	
	Assam	1799	51	32.9	26.9	1.8	92	1.2	
	Manipur	135	4	1.8	2.5	-0.7	40	0.0	
	Meghalaya	305	5	5.9	-0.4	0.4	38	0.0	
	Mizoram	75	3	1.5	1.0	0.1	19	0.0	
	Nagaland	99	1	2.4	1.8	0.2	24	0.0	
	Tripura	278	2	4.5	4.3	-0.3	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	34.3	-6.0	-14.1
Day peak (MW)	1490.6	-333.0	-641.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	194.6	-197.1	56.7	-57.9	5.7	2.1
Actual(MU)	172.8	-206.9	74.7	-45.1	3.4	-1.2
O/D/U/D(MU)	-21.9	-9.9	18.0	12.7	-2.3	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5476	15918	9882	1645	505	33426
State Sector	11145	17526	8523	6515	50	43759
Total	16621	33444	18405	8160	555	77184

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	467	1108	532	374	8	2489
Hydro	351	48	160	117	24	700
Nuclear	18	31	19	0	0	68
Gas, Naptha & Diesel	23	63	20	0	19	125
RES (Wind, Solar, Biomass & Others)	42	93	223	1	0	360
Total	902	1343	954	492	51	3742

Share of RES in total generation (%)	4.68	6.93	23.41	0.19	0.05	9.61
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.61	12.82	42.14	24.06	47.32	30.15

H. Diversity Factor

All India Demand Diversity Factor	1.008
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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 : 9-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	225	159	0.9	0.0	0.9	
2		SASARAM-FATEHPUR	S/C	294	0	4.0	0.0	4.0	
3		GAYA-BALIA	S/C	60	252	0.0	2.2	-2.2	
4		ALIPURDUAR-AGRA	-	0	1503	0.0	33.5	-33.5	
5	400 kV	PUSAULI B/B	S/C	3	147	0.0	3.5	-3.5	
6		PUSAULI-VARANASI	S/C	0	168	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	41	43	0.0	0.4	-0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	3	448	0.0	4.0	-4.0	
9		PATNA-BALIA	Q/C	0	777	0.0	14.8	-14.8	
10		BIHARSHARIFF-BALIA	D/C	0	181	0.0	0.7	-0.7	
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.4	0.0	4.4	
12		BIHARSHARIFF-VARANASI	D/C	249	0	2.6	0.0	2.6	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	153	0.0	3.0	-3.0
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						12.6	65.4	-52.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1246	0	23.1	0.0	23.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	901	0	12.6	0.0	12.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1126	0	18.8	0.0	18.8	
21		RANCHI-SIPAT	D/C	436	0	5.6	0.0	5.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	319	0	6.0	0.0	6.0	
ER-WR						66.2	0.0	66.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1315.0	0.0	22.5	-22.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	579.0	0.0	13.4	-13.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2272.0	0.0	37.5	-37.5	
27	400 kV	TALCHER-I/C	D/C	0.0	1173.0	0.0	8.1	-8.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	73.4	-73.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	703	0.0	13.7	-14	
30		ALIPURDUAR-BONGAIGAON	D/C	219	117	0.4	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	130	0.0	3.6	-4	
ER-NER						0.4	17.3	-16.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	13.9	-13.9	
NER-NR						0.0	13.9	-13.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	20.2	-20.2	
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	0	0.0	16.9	-16.9	
36		GWALIOR-AGRA	D/C	0	0	0.0	34.1	-34.1	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	26.5	-26.5	
38		JABALPUR-ORAI	D/C	0	0	0.0	11.4	-11.4	
39		GWALIOR-ORAI	S/C	0	0	6.7	0.0	6.7	
40		SATNA-ORAI	S/C	0	0	0.0	37.4	-37.4	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	5.3	0.0	5.3
42			ZERDA -BHINMAL	S/C	0	0	2.3	0.0	2.3
43	V'CHAL -RIHAND		S/C	0	0	21.9	0.0	21.9	
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	0.8	-0.8	
46		BADOD-MORAK	S/C	0	0	0.0	1.1	-1.1	
47		MEHGAON-AURAIYA	S/C	0	0	0.1	0.3	-0.2	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.5	151.7	-109.2	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	22.0	-22.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	3.8	0.0	3.8	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	24.0	-24.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	9.4	0.0	9.4	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	0	1.9	0.0	1.9	
WR-SR						15.1	46.0	-30.9	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						34.3	
59		NEPAL						-6.0	
60		BANGLADESH						-14.1	