



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: 10th 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 09.09.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 9th 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

10-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	46329	43636	41730	20746	2412	154853
Peak Shortage (MW)	466	125	225	404	247	1467
Energy Met (MU)	1030	1054	980	440	50	3553
Hydro Gen (MU)	345	64	162	116	24	711
Wind Gen (MU)	13	52	41	-----	-----	106
Solar Gen (MU)*	17.20	11.9	59.29	0.46	0.02	89
Energy Shortage (MU)	9.4	0.3	0.9	1.2	1.9	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46925 19:44	47543 11:18	42717 11:55	21220 20:29	2442 18:35	155868 19:42

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	0.062	0.01	1.53	17.28	18.82	78.85	2.33

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	8489	0	193.3	122.1	-1.6	92	0.0	
	Haryana	6833	0	141.6	125.9	0.5	215	0.0	
	Rajasthan	8046	0	176.3	59.5	0.8	531	0.0	
	Delhi	4203	0	88.0	67.4	-1.6	73	0.0	
	UP	15655	0	322.6	141.6	0.2	234	0.0	
	Uttarakhand	1824	0	38.9	16.1	0.6	205	0.0	
	HP	1255	0	25.9	-4.3	2.2	215	0.0	
	J&K	1906	476	38.8	19.0	-3.9	147	9.4	
	Chandigarh	217	0	4.7	4.9	-0.2	19	0.0	
	WR	Chhattisgarh	3659	125	89.6	17.2	4.7	672	0.3
Gujarat		14164	0	318.7	111.4	2.3	405	0.0	
MP		7298	0	155.6	55.1	-0.2	323	0.0	
Maharashtra		20618	0	442.1	143.1	1.2	672	0.0	
Goa		403	0	11.6	7.6	0.7	71	0.0	
DD		316	0	7.3	6.2	1.1	98	0.0	
DNH		784	0	18.5	17.4	1.0	114	0.0	
Essar steel		568	0	10.4	10.6	-0.2	261	0.0	
SR		Andhra Pradesh	9346	0	193.3	47.7	4.1	872	0.0
		Telangana	10154	0	224.9	102.2	0.4	402	0.0
	Karnataka	9012	0	196.1	49.7	3.3	716	0.0	
	Kerala	3192	225	63.2	32.1	0.9	247	0.9	
	Tamil Nadu	13007	0	294.7	129.3	5.7	775	0.0	
	Pondy	339	0	7.5	7.3	0.2	48	0.0	
	ER	Bihar	4763	0	94.7	93.6	0.6	100	0.0
		DVC	2955	-1	61.5	-27.8	3.7	450	1.2
		Jharkhand	998	0	22.3	18.2	-0.5	70	0.0
		Odisha	5046	0	100.1	39.2	-0.1	250	0.0
West Bengal		7975	0	157.4	53.9	4.3	400	0.0	
Sikkim		76	0	0.9	1.1	-0.2	0	0.0	
NER	Arunachal Pradesh	92	2	2.1	2.3	-0.2	30	0.0	
	Assam	1540	6	31.5	26.9	0.2	92	1.8	
	Manipur	134	5	1.8	2.5	-0.8	40	0.0	
	Meghalaya	278	4	5.9	-0.4	0.4	38	0.0	
	Mizoram	73	2	1.6	1.0	0.2	19	0.0	
	Nagaland	95	1	2.4	1.8	0.2	24	0.0	
	Tripura	269	3	4.8	4.3	0.0	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	28.9	-6.1	-15.3
Day peak (MW)	1482.7	70.9	-829.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.4	-202.4	76.8	-61.2	5.7	3.2
Actual(MU)	164.0	-208.8	82.4	-55.5	3.5	-14.4
O/D/U/D(MU)	-20.4	-6.4	5.6	5.7	-2.2	-17.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5476	16502	9882	1620	505	33985
State Sector	11145	16904	7013	6905	50	42017
Total	16621	33406	16895	8525	555	76001

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	453	1069	553	391	9	2475
Hydro	345	66	162	116	24	714
Nuclear	18	27	19	0	0	65
Gas, Naptha & Diesel	24	49	20	0	18	110
RES (Wind, Solar, Biomass & Others)	48	64	143	1	0	256
Total	888	1276	898	508	50	3620

Share of RES in total generation (%)	5.43	5.03	15.94	0.10	0.09	7.08
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.38	12.39	36.14	23.01	47.20	28.59

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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 : 10-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	248	95	0.3	0.0	0.3
2		SASARAM-FATEHPUR	S/C	324	0	4.9	0.0	4.9
3		GAYA-BALIA	S/C	18	225	0.0	3.2	-3.2
4		ALIPURDUAR-AGRA	-	0	1504	0.0	28.2	-28.2
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	176	0.0	3.4	-3.4
7		PUSAULI -ALLAHABAD	S/C	17	35	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	65	331	0.0	4.0	-4.0
9		PATNA-BALIA	Q/C	0	727	0.0	15.2	-15.2
10		BIHARSHARIFF-BALIA	D/C	0	158	0.0	3.0	-3.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	5.9	0.0	5.9
12		BIHARSHARIFF-VARANASI	D/C	273	0	2.9	0.0	2.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	148	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	0.8	0.0	0.8
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						14.7	63.6	-48.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1444	0	22.1	0.0	22.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	837	46	10.0	0.0	10.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1225	0	17.0	0.0	17.0
21		RANCHI-SIPAT	D/C	421	0	5.8	0.0	5.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	309	0	4.9	0.0	4.9
ER-WR						59.9	0.0	59.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1658.0	0.0	34.7	-34.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	579.0	0.0	13.5	-13.5
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2276.0	0.0	36.9	-36.9
27	400 kV	TALCHER-I/C	D/C	0.0	1128.0	0.0	6.1	-6.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	85.1	-85.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	856	0.0	12.3	-12
30		ALIPURDUAR-BONGAIGAON	D/C	167	223	1.0	1.0	0
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	160	0.0	2.2	-2
ER-NER						1.0	15.4	-14.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	994	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	18.5	-18.5
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	0	0.0	14.6	-14.6
36		GWALIOR-AGRA	D/C	0	0	0.0	31.2	-31.2
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	23.5	-23.5
38		JABALPUR-ORAI	D/C	0	0	0.0	8.1	-8.1
39		GWALIOR-ORAI	S/C	0	0	6.4	0.0	6.4
40		SATNA-ORAI	S/C	0	0	0.0	39.2	-39.2
41		ZERDA-KANKROLI	S/C	0	0	5.2	0.0	5.2
42	400 kV	ZERDA -BHINMAL	S/C	0	0	2.1	0.0	2.1
43		V'CHAL -RIHAND	S/C	0	0	20.9	0.0	20.9
44		RAPP-SHUJALPUR	D/C	0	0	0	1	-1
45	220 kV	BADOD-KOTA	S/C	0	0	0.4	0.3	0.1
46		BADOD-MORAK	S/C	0	0	0.1	0.5	-0.4
47		MEHGAON-AURAIYA	S/C	0	0	0.2	0.2	0.0
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.5	-0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.3	137.9	-96.6
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	0.0	5.5	-5.5
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	28.5	-28.5
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	5.7	0.0	5.7
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	1.8	0.0	1.8
WR-SR						7.5	56.0	-48.5
TRANSNATIONAL EXCHANGE								
58		BHUTAN						28.9
59		NEPAL						-6.1
60		BANGLADESH						-15.3