



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: 11th 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 10.09.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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

11-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	50229	47731	42453	20513	2564	163490
Peak Shortage (MW)	809	34	270	770	118	2001
Energy Met (MU)	1078	1110	997	441	48	3673
Hydro Gen (MU)	333	75	148	123	27	705
Wind Gen (MU)	23	38	29	-----	-----	90
Solar Gen (MU)*	18.95	12.14	52.27	0.58	0.01	84
Energy Shortage (MU)	11.9	0.1	0.6	2.3	1.7	16.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50934 19:19	50344 11:03	44492 17:08	20930 20:00	2589 19:33	164377 19:46

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	0.072	0.00	3.03	20.89	23.92	73.44	2.64

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	8996	0	199.9	119.5	-0.7	92	0.0	
	Haryana	8056	0	157.2	136.2	0.6	247	0.6	
	Rajasthan	8352	0	182.3	45.5	0.7	592	0.0	
	Delhi	4669	0	98.1	77.0	-0.8	109	0.0	
	UP	15712	190	336.7	144.9	-0.1	240	0.2	
	Uttarakhand	1816	75	39.9	16.9	0.6	115	1.4	
	HP	1324	0	18.8	-3.3	2.8	215	0.1	
	J&K	1962	490	40.1	19.3	-3.3	75	9.5	
	Chandigarh	270	0	5.2	5.3	-0.1	39	0.0	
	WR	Chhattisgarh	3883	34	88.9	17.1	-0.7	209	0.1
Gujarat		15276	0	336.1	93.2	5.9	1236	0.0	
MP		7932	0	166.9	62.1	2.0	930	0.0	
Maharashtra		21977	0	467.7	156.3	-0.9	692	0.0	
Goa		472	0	12.6	9.0	0.3	68	0.0	
DD		356	0	7.7	6.2	1.4	88	0.0	
DNH		812	0	18.7	17.6	1.2	91	0.0	
Essar steel		525	0	11.3	11.2	0.1	255	0.0	
SR		Andhra Pradesh	9416	0	196.8	62.8	2.4	680	0.0
		Telangana	10749	0	230.6	106.3	2.0	554	0.0
	Karnataka	9314	0	201.3	52.0	1.1	570	0.0	
	Kerala	3262	0	63.1	31.6	0.6	197	0.6	
	Tamil Nadu	13573	0	297.7	134.3	6.5	1083	0.0	
	Pondy	344	0	7.4	7.4	-0.1	44	0.1	
	ER	Bihar	4792	0	93.1	92.7	0.1	50	0.2
DVC		2897	-2	57.9	-29.8	5.3	510	1.6	
Jharkhand		995	0	22.2	16.9	-1.8	20	0.0	
Odisha		4739	-1	99.2	34.7	1.6	480	0.6	
West Bengal		8159	0	161.9	63.6	3.6	250	0.0	
Sikkim		82	0	1.1	1.1	0.0	10	0.0	
NER	Arunachal Pradesh	120	3	2.3	2.9	-0.6	0	0.0	
	Assam	1607	61	29.2	22.9	0.6	234	1.5	
	Manipur	170	2	2.2	2.5	-0.4	38	0.0	
	Meghalaya	298	0	5.3	-0.1	-0.2	22	0.0	
	Mizoram	78	2	1.5	1.2	0.0	5	0.0	
	Nagaland	117	3	2.3	2.1	-0.2	0	0.1	
	Tripura	267	5	4.6	4.1	-0.1	78	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.2	-5.7	-21.9
Day peak (MW)	1456.5	-322.0	-971.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	185.2	-231.7	100.1	-54.7	2.5	1.4
Actual(MU)	156.1	-208.8	97.8	-46.3	-2.9	-4.1
O/D/U/D(MU)	-29.1	22.9	-2.3	8.4	-5.4	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4756	14597	9082	1120	755	30311
State Sector	11285	15809	6413	6195	50	39752
Total	16041	30406	15495	7315	805	70062

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	519	586	585	386	7	2084
Hydro	333	75	148	123	27	705
Nuclear	22	0	19	0	0	42
Gas, Naptha & Diesel	24	17	21	0	19	81
RES (Wind, Solar, Biomass & Others)	46	50	123	1	0	220
Total	945	728	896	509	53	3131

Share of RES in total generation (%)	4.86	6.88	13.77	0.12	0.03	7.03
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.45	17.15	32.38	24.19	50.98	30.87

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 11-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	275	130	2.4	0.0	2.4	
2		SASARAM-FATEHPUR	S/C	369	0	6.0	0.0	6.0	
3		GAYA-BALIA	S/C	70	172	0.0	1.3	-1.3	
4		ALIPURDUAR-AGRA	-	0	1998	0.0	40.9	-40.9	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.8	-3.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	184	0.0	3.9	-3.9	
7		PUSAULI -ALLAHABAD	S/C	24	24	0.3	0.0	0.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	58	403	0.0	4.4	-4.4	
9		PATNA-BALIA	Q/C	0	630	0.0	12.1	-12.1	
10		BIHARSHARIFF-BALIA	D/C	59	148	0.0	2.1	-2.1	
11		MOTIHARI-GORAKHPUR	D/C	0	0	5.1	0.0	5.1	
12		BIHARSHARIFF-VARANASI	D/C	279	0	3.9	0.0	3.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	159	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	0.4	0.0	0.4	
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						18.0	71.5	-53.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1371	0	25.9	0.0	25.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	914	93	11.7	0.0	11.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1122	0	18.5	0.0	18.5	
21		RANCHI-SIPAT	D/C	458	0	6.5	0.0	6.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	348	0	6.5	0.0	6.5	
ER-WR						69.2	0.0	69.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1630.0	0.0	26.8	-26.8	
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	1897.0	0.0	43.1	-43.1	
27	400 kV	TALCHER-I/C	D/C	0.0	934.0	0.0	13.4	-13.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	83.6	-83.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	768	0.0	10.3	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	474	125	3.2	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	143	0.0	2.1	-2	
ER-NER						3.2	12.3	-9.1	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.9	-16.9	
NER-NR						0.0	16.9	-16.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	18.5	0.0	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	34.5	-34.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	22.0	-22.0	
38		JABALPUR-ORAI	D/C	0	0	0.0	8.0	-8.0	
39		GWALIOR-ORAI	S/C	0	0	6.3	0.0	6.3	
40		SATNA-ORAI	S/C	0	0	0.0	41.1	-41.1	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	4.8	0.0	4.8
42			ZERDA -BHINMAL	S/C	0	0	3.3	0.0	3.3
43	V'CHAL -RIHAND		S/C	0	0	22.2	0.0	22.2	
44	RAPP-SHUJALPUR		D/C	0	0	0	0	0	
45	220 kV	BADOD-KOTA	S/C	0	0	0.9	0.0	0.9	
46		BADOD-MORAK	S/C	0	0	0.3	0.1	0.2	
47		MEHGAON-AURAIYA	S/C	0	0	0.2	0.1	0.2	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.1	0.4	-0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						62.6	121.0	-58.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	19.5	0.0	19.5	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	8.3	0.0	8.3	
53		WARDHA-NIZAMABAD	D/C	0	0	35.1	0.0	35.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	0.0	0.0	0.0	
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						64.8	0.0	64.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						36.2	
59		NEPAL						-5.7	
60		BANGLADESH						-21.9	