



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: 30th 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 29.09.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-सितंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 29th 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

30-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	48516	51610	42175	21274	2617	166192
Peak Shortage (MW)	920	233	0	700	155	2008
Energy Met (MU)	1042	1216	938	483	51	3730
Hydro Gen (MU)	264	46	93	110	24	537
Wind Gen (MU)	8	15	17	-----	-----	40
Solar Gen (MU)*	17.29	20.8	55.62	0.96	0.02	95
Energy Shortage (MU)	10.4	2.3	0.0	-2.1	1.1	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50207 19:03	53554 12:09	41764 18:59	22155 21:02	2719 18:29	167996 19:00

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	0.065	0.76	1.78	14.11	16.66	79.87	3.47

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	6427	0	139.4	17.0	-1.4	42	0.0	
	Haryana	7096	174	135.9	109.3	0.3	161	0.5	
	Rajasthan	9338	0	207.1	55.3	2.0	531	0.0	
	Delhi	4393	0	93.2	68.0	-0.6	197	0.0	
	UP	17003	280	365.4	156.8	-2.0	228	0.0	
	Uttarakhand	1768	150	38.0	16.8	0.7	238	1.8	
	HP	1347	0	26.3	6.7	1.0	152	0.1	
	J&K	1748	437	32.2	24.8	-8.1	159	8.1	
	Chandigarh	215	0	4.2	4.6	-0.5	9	0.0	
	WR	Chhattisgarh	4319	54	102.7	30.4	4.9	449	2.3
Gujarat		17466	0	388.2	118.0	4.0	641	0.0	
MP		9367	0	204.8	87.5	4.1	568	0.0	
Maharashtra		21748	0	479.6	174.7	2.2	615	0.0	
Goa		460	0	12.1	10.6	-1.5	98	0.0	
DD		313	0	6.8	5.8	1.0	77	0.0	
DNH		781	0	18.0	17.3	0.7	155	0.0	
Essar steel		261	0	4.1	4.0	0.1	284	0.0	
SR		Andhra Pradesh	7982	0	179.5	53.7	1.3	492	0.0
		Telangana	9934	0	216.5	98.3	0.9	496	0.0
	Karnataka	8021	0	164.3	39.2	-1.4	493	0.0	
	Kerala	3426	0	69.5	43.0	1.1	198	0.0	
	Tamil Nadu	13886	0	300.6	171.5	0.2	490	0.0	
	Pondy	346	0	7.5	7.3	0.2	61	0.0	
	ER	Bihar	5090	0	102.5	100.8	-0.8	10	0.0
		DVC	2911	1	58.2	-17.8	6.6	500	-0.9
		Jharkhand	1183	0	25.0	18.2	0.7	50	0.0
		Odisha	4970	1	105.2	35.5	7.9	600	-1.2
West Bengal		8782	0	191.3	76.3	3.4	300	0.0	
Sikkim	97	0	1.2	1.3	-0.1	20	0.0		
NER	Arunachal Pradesh	120	5	2.4	2.3	0.1	49	0.0	
	Assam	1750	65	32.0	25.1	1.9	193	1.0	
	Manipur	189	6	2.4	2.5	0.0	31	0.0	
	Meghalaya	286	0	5.0	0.9	0.4	58	0.0	
	Mizoram	87	2	1.6	0.9	0.3	25	0.0	
	Nagaland	125	3	2.2	1.7	0.3	47	0.0	
	Tripura	282	5	5.0	4.1	1.6	115	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	22.5	-4.7	-22.2
Day peak (MW)	1063.3	-204.0	-966.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	92.0	-158.1	77.3	-10.4	-1.4	-0.6
Actual(MU)	67.6	-158.1	77.6	7.6	2.3	-3.0
O/D/U/D(MU)	-24.4	0.0	0.3	18.0	3.7	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2754	16533	5952	1560	404	27202
State Sector	7525	13605	7550	6685	50	35415
Total	10279	30138	13502	8245	454	62617

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	624	1198	607	365	5	2798
Hydro	264	46	93	110	24	537
Nuclear	23	27	29	0	0	80
Gas, Naptha & Diesel	53	75	24	0	23	176
RES (Wind, Solar, Biomass & Others)	43	37	113	1	0	195
Total	1007	1384	866	476	52	3785

Share of RES in total generation (%)	4.29	2.67	13.10	0.21	0.06	5.14
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.82	8.01	27.18	23.34	45.52	21.44

H. Diversity Factor

All India Demand Diversity Factor	1.014
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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 : 30-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	655	0	10.5	0.0	10.5	
2		SASARAM-FATEHPUR	S/C	646	0	11.4	0.0	11.4	
3		GAYA-BALIA	S/C	67	140	0.0	0.3	-0.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	401	0.0	9.1	-9.1	
5		PUSAULI B/B	S/C	0	398	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	360	0.0	8.0	-8.0	
7		PUSAULI -ALLAHABAD	S/C	0	97	0.0	1.5	-1.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	416	204	0.0	2.8	-2.8	
9		PATNA-BALIA	Q/C	42	338	0.0	3.1	-3.1	
10		BIHARSHARIFF-BALIA	D/C	217	0	2.9	0.0	2.9	
11		MOTIHARI-GORAKHPUR	D/C	203	0	4.5	0.0	4.5	
12		BIHARSHARIFF-VARANASI	D/C	523	0	9.0	0.0	9.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	225	0.0	4.3	-4.3	
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						38.9	38.8	0.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1500	0	31.2	0.0	31.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1047	0	14.9	0.0	14.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1119	0	19.8	0.0	19.8	
21		RANCHI-SIPAT	D/C	540	0	8.9	0.0	8.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	245	0	4.5	0.0	4.5	
ER-WR						79.2	0.0	79.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1667.0	0.0	29.5	-29.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	360.0	0.0	8.6	-8.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1745.0	0.0	27.4	-27.4	
27	400 kV	TALCHER-I/C	D/C	0.0	964.0	0.0	6.7	-6.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	65.4	-65.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1065	0.0	16.9	-17	
30		ALIPURDUAR-BONGAIGAON	D/C	0	915	0.0	14.0	-14	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	251	0.0	3.8	-4	
ER-NER						0.0	34.6	-34.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	2000	0.0	34.2	-34.2	
NER-NR						0.0	34.2	-34.2	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	601	0.0	14.2	-14.2	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1829	0.0	37.5	-37.5	
36	765 kV	GWALIOR-AGRA	D/C	131	628	0.0	13.2	-13.2	
37		PHAGI-GWALIOR	D/C	14	688	0.0	8.1	-8.1	
38		JABALPUR-ORAI	D/C	386	320	3.8	0.0	3.8	
39		GWALIOR-ORAI	S/C	354	206	6.3	0.0	6.3	
40		SATNA-ORAI	S/C	0	1387	0.0	29.2	-29.2	
41		400 kV	ZERDA-KANKROLI	S/C	602	0	11.0	0.0	11.0
42			ZERDA -BHINMAL	S/C	404	0	7.8	0.0	7.8
43	V'CHAL -RIHAND		S/C	480	0	11.2	0.0	11.2	
44	RAPP-SHUJALPUR		D/C	481	6	3	0	3	
45	220 kV	BADOD-KOTA	S/C	94	0	2.5	0.0	2.5	
46		BADOD-MORAK	S/C	142	59	1.0	0.2	0.9	
47		MEHGAON-AURAIYA	S/C	150	0	2.6	0.0	2.6	
48	132kV	MALANPUR-AURAIYA	S/C	115	0	1.8	0.0	1.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						56.9	102.4	-45.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	985	0.0	18.2	-18.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	634	738	0.0	2.1	-2.1	
53		WARDHA-NIZAMABAD	D/C	0	1974	0.0	32.4	-32.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	1016	0	17.5	0.0	17.5	
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	1	0	0.0	0.0	0.0	
WR-SR						17.5	52.6	-35.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						22.5	
59		NEPAL						-4.7	
60		BANGLADESH						-22.2	