



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: 3<sup>rd</sup> 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 02.09.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 2<sup>nd</sup> 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)	46687	40906	38735	19756	2537	148621
Peak Shortage (MW)	919	0	0	310	145	1374
Energy Met (MU)	1097	963	889	418	49	3415
Hydro Gen (MU)	354	36	186	114	26	716
Wind Gen (MU)	23	88	135	-----	-----	246
Solar Gen (MU)*	20.12	11.76	56.40	0.47	0.01	89
Energy Shortage (MU)	9.5	0.0	0.0	0.9	1.7	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52256 00:20	43336 07:24	38783 19:19	19823 20:52	2535 19:25	151125 19:39

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	0.018	0.00	0.00	0.74	0.74	82.77	16.49

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	10154	0	228.9	135.6	-0.5	90	0.0	
	Haryana	8035	0	145.6	126.6	-2.3	251	0.0	
	Rajasthan	9554	0	210.5	62.0	1.4	440	0.0	
	Delhi	4577	0	91.0	71.8	-1.4	106	0.0	
	UP	15591	0	315.5	166.3	-0.3	324	0.0	
	Uttarakhand	1628	0	34.4	13.8	-0.9	189	0.0	
	HP	1304	0	26.6	-0.1	-0.4	103	0.0	
	J&K	1951	488	39.8	20.7	-5.2	95	9.4	
	Chandigarh	228	0	4.6	5.6	-1.0	-17	0.0	
	WR	Chhattisgarh	3458	0	79.5	12.8	-2.2	367	0.0
Gujarat		12117	0	278.0	75.4	2.8	353	0.0	
MP		7168	0	153.3	63.3	-0.5	30	0.0	
Maharashtra		18679	0	407.2	120.7	-2.3	499	0.0	
Goa		403	0	8.6	7.6	0.3	22	0.0	
DD		309	0	7.2	6.2	1.0	78	0.0	
DNH		767	0	17.9	16.8	1.1	65	0.0	
Essar steel		533	0	11.2	10.7	0.5	257	0.0	
SR		Andhra Pradesh	8200	0	180.5	24.6	1.8	630	0.0
		Telangana	9366	0	204.7	63.3	-1.1	525	0.0
	Karnataka	8167	0	170.4	34.8	0.3	439	0.0	
	Kerala	3179	0	61.5	30.2	-0.3	217	0.0	
	Tamil Nadu	12599	0	265.1	82.0	-1.0	507	0.0	
	Pondy	293	0	6.4	6.5	-0.1	27	0.0	
	ER	Bihar	4487	0	88.6	89.5	-1.2	100	0.0
		DVC	2884	0	62.2	-21.6	3.2	350	0.9
		Jharkhand	955	0	20.3	17.1	-2.6	21	0.0
		Odisha	4918	0	98.4	34.5	2.8	300	0.0
West Bengal		7255	0	147.9	54.6	1.4	320	0.0	
Sikkim		77	0	0.8	1.4	-0.5	0	0.0	
NER	Arunachal Pradesh	110	5	2.5	2.9	-0.4	30	0.0	
	Assam	1623	107	31.1	26.5	0.0	92	1.6	
	Manipur	172	2	2.3	2.8	-0.4	40	0.0	
	Meghalaya	283	0	5.1	0.6	-0.2	38	0.0	
	Mizoram	69	4	1.4	0.9	0.1	19	0.0	
	Nagaland	119	2	2.2	2.2	-0.4	24	0.0	
	Tripura	253	1	3.9	3.9	0.0	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	34.4	-5.4	-14.8
Day peak (MW)	1584.6	-355.9	-664.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	221.2	-238.3	45.0	-32.8	5.8	0.9
Actual(MU)	230.5	-244.7	42.0	-27.3	3.1	3.7
O/D/U/D(MU)	9.4	-6.4	-3.0	5.5	-2.7	2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4921	16494	10382	2145	505	34448
State Sector	10540	17861	9513	7465	50	45429
Total	15461	34355	19895	9610	555	79876

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	407	1031	394	351	7	2190
Hydro	354	35	186	114	26	715
Nuclear	27	27	19	0	0	74
Gas, Naptha & Diesel	19	30	23	0	16	88
RES (Wind, Solar, Biomass & Others)	56	100	233	0	0	389
Total	864	1224	855	466	48	3457

Share of RES in total generation (%)	6.53	8.14	27.21	0.10	0.06	11.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	50.65	13.27	51.23	24.60	53.78	34.09

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 3-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	137	273	0.0	2.2	-2.2	
2		SASARAM-FATEHPUR	S/C	20	0	4.2	0.0	4.2	
3		GAYA-BALIA	S/C	0	302	0.0	4.8	-4.8	
4		ALIPURDUAR-AGRA	-	0	1680	0.0	22.0	-22.0	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.0	-3.0	
6		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	196	546	0.0	5.9	-5.9	
9		PATNA-BALIA	Q/C	0	929	0.0	15.6	-15.6	
10		BIHARSHARIFF-BALIA	D/C	36	209	0.0	4.0	-4.0	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.5	0.0	4.5	
12		BIHARSHARIFF-VARANASI	D/C	292	40	1.9	0.0	1.9	
13		220 kV	PUSAULI-SAHUPURI	S/C	1	0	0.0	3.1	-3.1
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV		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	
<b>ER-NR</b>						<b>11.0</b>	<b>60.6</b>	<b>-49.5</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1347	3	21.2	0.0	21.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1168	0	17.8	0.0	17.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1414	0	22.2	0.0	22.2	
21		RANCHI-SIPAT	D/C	406	0	6.4	0.0	6.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	300	0	5.5	0.0	5.5	
<b>ER-WR</b>						<b>73.1</b>	<b>0.0</b>	<b>73.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1113.8	0.0	16.8	-16.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	461.8	0.0	10.9	-10.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1188.3	0.0	26.6	-26.6	
27	400 kV	TALCHER-1/C	D/C	1175.5	0.8	1.7	14.6	-12.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>54.3</b>	<b>-54.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	816	0.0	9.9	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	382	316	1.7	0.0	2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	142	0.0	1.9	-2	
<b>ER-NER</b>						<b>1.7</b>	<b>11.8</b>	<b>-10.1</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	11.3	-11.3	
<b>NER-NR</b>						<b>0.0</b>	<b>11.3</b>	<b>-11.3</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2402	0.0	32.3	-32.3	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1453	0.0	23.0	-23.0	
36		765 kV	GWALIOR-AGRA	D/C	0	1222	0.0	45.1	-45.1
37	PHAGI-GWALIOR		D/C	0	1435	0.0	23.5	-23.5	
38	JABALPUR-ORAI		D/C	35	570	0.0	18.1	-18.1	
39	GWALIOR-ORAI		S/C	333	0	6.4	0.0	6.4	
40	SATNA-ORAI		S/C	0	1955	0.0	38.7	-38.7	
41	400 kV		ZERDA-KANKROLI	S/C	300	141	2.1	0.0	2.1
42			ZERDA -BHINMAL	S/C	123	223	0.0	0.5	-0.5
43			V'CHAL -RIHAND	S/C	952	0	18.0	0.0	18.0
44			RAPP-SHUJALPUR	D/C	41	436	0	9	-9
45	220 kV		BADOD-KOTA	S/C	19	44	0.2	0.3	-0.1
46		BADOD-MORAK	S/C	0	72	0.0	0.6	-0.6	
47		MEHGAON-AURAIYA	S/C	0	42	0.0	0.5	-0.4	
48		MALANPUR-AURAIYA	S/C	0	62	0.0	0.9	-0.9	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>32.8</b>	<b>192.8</b>	<b>-160.1</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	617	0.0	10.8	-10.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	687	0	9.5	0.0	9.5	
53		WARDHA-NIZAMABAD	D/C	0	1311	0.0	18.3	-18.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	902	0	14.1	0.0	14.1	
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	93	1.7	0.0	1.7	
<b>WR-SR</b>						<b>25.3</b>	<b>29.1</b>	<b>-3.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>34.4</b>	
59		NEPAL						<b>-5.4</b>	
60		BANGLADESH						<b>-14.8</b>	