



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: 01st 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 31.08.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-अगस्त-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 31th August 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

1-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55210	44361	42618	21407	2669	166265
Peak Shortage (MW)	609	0	0	270	231	1110
Energy Met (MU)	1249	1017	952	447	53	3717
Hydro Gen (MU)	350	42	208	117	24	741
Wind Gen (MU)	52	105	135	-----	-----	293
Solar Gen (MU)*	18.56	10.5	51.97	0.53	0.03	82
Energy Shortage (MU)	10.0	0.0	0.0	0.8	1.6	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56550 19:28	44819 19:24	42260 10:25	21573 19:46	2783 19:08	167002 19:28

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	0.039	0.00	0.86	7.66	8.52	81.94	9.54

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	11102	0	258.4	141.4	-0.4	116	0.0	
	Haryana	8917	0	193.2	159.6	0.5	128	0.0	
	Rajasthan	10267	0	230.8	48.6	1.1	399	0.0	
	Delhi	5556	0	116.4	91.9	0.4	172	0.1	
	UP	16069	120	334.2	173.1	-1.1	195	0.0	
	Uttarakhand	1811	0	37.2	16.0	-0.4	115	0.0	
	HP	1422	0	30.5	0.0	3.0	326	0.0	
	J&K	2108	527	42.0	21.6	-4.2	23	10.0	
	Chandigarh	298	0	5.9	6.4	-0.5	11	0.0	
	WR	Chhattisgarh	3477	0	80.5	21.5	-2.8	418	0.0
Gujarat		13726	0	310.2	68.4	4.6	889	0.0	
MP		7314	0	160.3	57.7	-0.6	315	0.0	
Maharashtra		19008	0	419.7	131.9	0.3	854	0.0	
Goa		403	0	10.2	9.0	0.6	74	0.0	
DD		347	0	7.9	6.9	1.0	59	0.0	
DNH		777	0	16.7	15.8	0.9	134	0.0	
Essar steel		544	0	11.3	12.4	-1.1	191	0.0	
SR		Andhra Pradesh	8322	0	181.4	19.7	1.4	692	0.0
		Telangana	10198	0	213.3	79.5	-0.8	596	0.0
	Karnataka	9417	0	184.9	37.5	-1.2	600	0.0	
	Kerala	3316	0	65.1	29.7	1.0	286	0.0	
	Tamil Nadu	14490	0	300.3	97.1	3.1	650	0.0	
	Pondy	333	0	7.1	7.1	0.0	52	0.0	
	ER	Bihar	4805	0	90.7	94.5	-3.8	385	0.0
		DVC	2924	0	66.5	-24.0	5.0	345	0.8
		Jharkhand	1042	0	22.8	16.6	-1.1	165	0.0
		Odisha	4951	0	96.9	34.6	1.6	398	0.0
West Bengal		8213	0	168.6	63.6	1.9	478	0.0	
Sikkim		88	0	1.2	1.5	-0.3	20	0.0	
NER	Arunachal Pradesh	133	0	2.5	2.4	0.1	6	0.0	
	Assam	1706	154	34.0	28.6	1.6	209	1.4	
	Manipur	180	2	2.1	2.2	-0.2	34	0.0	
	Meghalaya	306	2	5.3	-0.3	-0.1	8	0.0	
	Mizoram	78	0	1.4	0.8	0.3	4	0.0	
	Nagaland	115	1	2.3	1.7	0.2	24	0.0	
	Tripura	292	4	5.4	3.7	1.3	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.8	-5.6	-14.9
Day peak (MW)	1562.3	-345.0	-672.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	259.3	-272.5	41.4	-34.5	5.8	-0.5
Actual(MU)	250.9	-280.9	47.8	-28.2	7.9	-2.5
O/D/U/D(MU)	-8.4	-8.5	6.4	6.4	2.1	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4831	13860	11682	1120	530	32024
State Sector	9095	18074	9823	7115	50	44157
Total	13926	31934	21505	8235	580	76180

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	542	1092	434	385	9	2461
Hydro	350	43	208	117	24	742
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	22	33	23	0	16	94
RES (Wind, Solar, Biomass & Others)	86	116	228	1	0	430
Total	1026	1310	917	503	49	3805

Share of RES in total generation (%)	8.36	8.84	24.88	0.11	0.12	11.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.13	14.18	50.19	23.30	50.17	32.87

H. Diversity Factor

All India Demand Diversity Factor	1.006
-----------------------------------	-------

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 : 1-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	129	239	0.0	1.9	-1.9		
2		SASARAM-FATEHPUR	S/C	20	0	4.6	0.0	4.6		
3		GAYA-BALIA	S/C	15	245	0.0	4.1	-4.1		
4		ALIPURDUAR-AGRA	-	0	1490	0.0	20.4	-20.4		
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.5	-3.5		
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	0	555	0.0	6.9	-6.9		
9		PATNA-BALIA	Q/C	0	1003	0.0	14.7	-14.7		
10		BIHARSHARIFF-BALIA	D/C	14	168	0.0	1.3	-1.3		
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.7	0.0	4.7		
12		BIHARSHARIFF-VARANASI	D/C	219	46	1.5	0.0	1.5		
13		220 kV	PUSAULI-SAHUPURI	S/C	1	0	0.0	3.3	-3.3	
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15			132 kV	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						11.3	56.1	-44.8		
Import/Export of ER (With WR)										
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1207	4	22.7	0.0	22.7		
19		NEW RANCHI-DHARAMJAIGARH	D/C	932	111	16.7	0.0	16.7		
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1115	0	19.7	0.0	19.7		
21		RANCHI-SIPAT	D/C	462	0	8.3	0.0	8.3		
22		220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23	BUDHIPADAR-KORBA		D/C	324	1	4.9	0.0	4.9		
ER-WR						72.3	0.0	72.3		
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1446.8	0.0	15.4	-15.4		
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	463.2	0.0	11.0	-11.0		
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.4	0.0	30.0	-30.0		
27	400 kV	TALCHER-I/C	D/C	1283.6	0.8	0.0	16.6	-16.6		
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0		
ER-SR						0.0	56.5	-56.5		
Import/Export of ER (With NER)										
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	727	0.0	10.5	-11		
30		ALIPURDUAR-BONGAIGAON	D/C	214	381	0.0	1.6	-2		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	164	0.0	4.0	-4		
ER-NER						0.0	16.1	-16.1		
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	7.8	-7.8		
NER-NR						0.0	7.8	-7.8		
Import/Export of WR (With NR)										
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	57.3	-57.3		
34		V'CHAL B/B	D/C	0	0	6.1	0.0	6.1		
35		APL -MHG	D/C	0	0	0.0	35.6	-35.6		
36		765 kV	GWALIOR-AGRA	D/C	0	0	0.0	54.0	-54.0	
37	PHAGI-GWALIOR		D/C	0	0	0.0	23.7	-23.7		
38	JABALPUR-ORAI		D/C	0	0	0.0	20.0	-20.0		
39	GWALIOR-ORAI		S/C	0	0	7.3	0.0	7.3		
40	SATNA-ORAI		S/C	0	0	0.0	44.5	-44.5		
41	400 kV		ZERDA-KANKROLI	S/C	0	0	2.8	0.0	2.8	
42			ZERDA -BHINMAL	S/C	0	0	1.6	0.0	1.6	
43			V'CHAL -RIHAND	S/C	0	0	20.7	0.0	20.7	
44		RAPP-SHUJALPUR	D/C	0	0	0	1	-1		
45	220 kV	BADOD-KOTA	S/C	0	0	0.1	0.4	-0.3		
46		BADOD-MORAK	S/C	0	0	0.0	0.8	-0.8		
47		MEHGAON-AURAIYA	S/C	0	0	0.1	0.4	-0.3		
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.8	-0.8		
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
WR-NR						38.7	238.7	-200.0		
Import/Export of WR (With SR)										
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	7.2	-7.2		
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0		
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	5.0	0.0	5.0		
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	21.1	-21.1		
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	14.6	0.0	14.6		
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	0.0	0.0	0.0		
WR-SR						19.6	28.3	-8.8		
TRANSNATIONAL EXCHANGE										
58		BHUTAN						30.8		
59		NEPAL						-5.6		
60		BANGLADESH						-14.9		