



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 August 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 29.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-अगस्त-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 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

30-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53442	44311	40974	21634	2655	163016
Peak Shortage (MW)	1048	133	20	270	192	1663
Energy Met (MU)	1194	988	925	458	51	3617
Hydro Gen (MU)	347	35	187	120	25	713
Wind Gen (MU)	18	55	146	-----	-----	220
Solar Gen (MU)*	12.96	10.5	50.99	0.65	0.02	75
Energy Shortage (MU)	10.1	0.5	0.1	0.8	1.6	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54598 20:40	45346 19:43	41838 19:40	22192 19:56	2726 18:47	166084 19:43

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	0.056	0.23	1.19	14.51	15.94	75.42	8.65

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	10975	0	252.4	143.1	-0.3	104	0.0	
	Haryana	8006	0	167.1	137.0	0.3	160	0.0	
	Rajasthan	9556	0	214.8	68.9	0.7	466	0.0	
	Delhi	5049	0	106.4	84.6	-0.6	189	0.1	
	UP	16239	0	336.5	175.4	-0.6	206	0.0	
	Uttarakhand	1803	0	39.1	16.5	0.8	109	0.0	
	HP	1413	0	30.2	-0.9	3.0	279	0.0	
	J&K	2086	522	42.0	20.5	-2.6	117	10.0	
	Chandigarh	299	0	5.9	6.3	-0.4	8	0.0	
	WR	Chhattisgarh	3338	133	76.2	19.5	0.1	299	0.5
Gujarat		13474	0	307.5	86.2	1.4	514	0.0	
MP		7449	0	163.0	82.9	0.9	554	0.0	
Maharashtra		18477	0	408.2	128.4	1.5	407	0.0	
Goa		403	0	8.6	8.8	-0.8	26	0.0	
DD		318	0	5.8	5.0	0.8	180	0.0	
DNH		791	0	18.6	17.2	1.4	86	0.0	
Essar steel		562	0	0.0	11.6	-11.6	248	0.0	
SR		Andhra Pradesh	7986	0	177.2	21.3	-0.3	536	0.0
		Telangana	9525	0	200.0	63.9	-0.8	389	0.0
	Karnataka	8410	0	176.5	48.4	-2.0	547	0.0	
	Kerala	3195	0	62.0	28.0	-0.1	534	0.0	
	Tamil Nadu	14211	0	302.4	90.3	1.6	497	0.0	
	Pondy	348	20	7.2	7.4	-0.2	41	0.1	
ER	Bihar	4939	0	96.6	95.5	1.1	200	0.0	
	DVC	2822	0	63.6	-27.5	6.8	250	0.8	
	Jharkhand	1245	0	25.0	17.0	-0.2	85	0.0	
	Odisha	4851	0	92.6	29.0	1.3	225	0.0	
	West Bengal	8842	0	179.7	63.2	3.3	220	0.0	
	Sikkim	95	0	1.1	1.4	-0.3	12	0.0	
NER	Arunachal Pradesh	125	1	2.2	2.6	-0.3	6	0.0	
	Assam	1703	150	33.0	27.7	1.2	209	1.5	
	Manipur	181	1	2.3	2.4	-0.1	34	0.0	
	Meghalaya	307	0	5.4	0.0	-0.1	8	0.0	
	Mizoram	77	1	1.4	1.0	0.1	4	0.0	
	Nagaland	118	1	2.3	1.8	0.1	24	0.0	
	Tripura	272	4	4.6	3.7	0.5	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	31.8	-6.2	-14.9
Day peak (MW)	1666.3	-294.0	-667.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.5	-251.9	24.7	-39.9	5.6	0.0
Actual(MU)	257.6	-252.0	15.8	-25.0	5.1	1.6
O/D/U/D(MU)	-3.8	-0.1	-8.9	14.9	-0.5	1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4711	14435	10762	2130	470	32509
State Sector	9355	17759	10123	6615	50	43902
Total	14066	32194	20885	8745	520	76410

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	533	1104	444	387	8	2477
Hydro	347	36	187	120	25	714
Nuclear	27	27	24	0	0	78
Gas, Naptha & Diesel	21	39	22	0	17	98
RES (Wind, Solar, Biomass & Others)	45	66	240	1	0	352
Total	973	1272	918	507	50	3720

Share of RES in total generation (%)	4.67	5.17	26.19	0.13	0.05	9.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.06	10.16	49.22	23.71	49.25	30.78

H. Diversity Factor

All India Demand Diversity Factor	1.004
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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-Aug-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	58	413	0.0	4.2	-4.2	
2		SASARAM-FATEHPUR	S/C	345	0	4.6	0.0	4.6	
3		GAYA-BALIA	S/C	0	353	0.0	6.3	-6.3	
4		ALIPURDUAR-AGRA	-	0	936	0.0	15.0	-15.0	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	156	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	69	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	1	687	0.0	7.9	-7.9	
9		PATNA-BALIA	Q/C	0	976	0.0	9.8	-9.8	
10		BIHARSHARIFF-BALIA	D/C	0	231	0.0	3.6	-3.6	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.4	0.0	5.4	
12		BIHARSHARIFF-VARANASI	D/C	257	160	1.1	0.0	1.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	169	0.0	3.4	-3.4
14			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		132 kV	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						11.8	53.7	-41.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1016	0	12.2	0.0	12.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1124	0	18.7	0.0	18.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1121	0	18.8	0.0	18.8	
21		RANCHI-SIPAT	D/C	494	0	8.4	0.0	8.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	2.4	0.0	2.4	
23		BUDHIPADAR-KORBA	D/C	276	0	2.3	0.0	2.3	
ER-WR						62.8	0.0	62.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	955.9	0.0	13.3	-13.3	
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	1484.2	0.0	23.2	-23.2	
27	400 kV	TALCHER-I/C	D/C	1991.2	0.4	0.0	24.4	-24.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	47.5	-47.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	46	849	0.0	12.6	-13	
30		ALIPURDUAR-BONGAIGAON	D/C	257	892	0.0	7.4	-7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	228	0.0	3.3	-3	
ER-NER						0.0	23.3	-23.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	1241	0.0	18.2	-18.2	
NER-NR						0.0	18.2	-18.2	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2008	0.0	38.1	-38.1	
34		V'CHAL B/B	D/C	241	2	5.1	0.0	5.1	
35		APL -MHG	D/C	0	1918	0.0	43.7	-43.7	
36		GWALIOR-AGRA	D/C	0	1334	0.0	53.4	-53.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1383	0.0	28.5	-28.5	
38		JABALPUR-ORAI	D/C	0	634	0.0	23.6	-23.6	
39		GWALIOR-ORAI	S/C	449	0	8.6	0.0	8.6	
40		SATNA-ORAI	S/C	0	1932	0.0	43.0	-43.0	
41		400 kV	ZERDA-KANKROLI	S/C	228	53	1.8	0.0	1.8
42			ZERDA -BHINMAL	S/C	106	147	0.0	0.0	0.0
43	V'CHAL -RIHAND		S/C	963	0	22.1	0.0	22.1	
44	RAPP-SHUJALPUR		D/C	13	366	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	30	37	0.2	0.3	0.0	
46		BADOD-MORAK	S/C	21	62	0.0	0.6	-0.5	
47		MEHGAON-AURAIYA	S/C	28	25	0.1	0.1	0.0	
48	132kV	MALANPUR-AURAIYA	S/C	1	43	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.9	233.9	-196.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	309	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	1215	531	10.9	0.0	10.9	
53		WARDHA-NIZAMABAD	D/C	102	1396	0.0	11.5	-11.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	852	0	13.6	0.0	13.6	
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	103	1.8	0.0	1.8	
WR-SR						26.4	18.7	7.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						31.8	
59		NEPAL						-6.2	
60		BANGLADESH						-14.9	