



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: 03rd August 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
- महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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
- महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 02.08.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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

3-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54572	46993	41675	18692	2633	164564
Peak Shortage (MW)	1314	0	40	0	145	1499
Energy Met (MU)	1240	1083	962	410	46	3740
Hydro Gen (MU)	348	26	110	85	30	598
Wind Gen (MU)	50	151	206	-----	-----	407
Solar Gen (MU)*	16.16	15.43	50.77	0.25	0.01	83
Energy Shortage (MU)	10.2	0.2	0.2	0.0	2.0	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57073 22:35	48594 19:39	43569 07:42	19923 19:59	2632 18:53	168262 19:57

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	0.074	0.45	2.21	19.41	22.07	72.72	5.21

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	11207	0	262.4	142.1	-0.3	106	0.0	
	Haryana	9361	0	197.3	150.8	1.5	317	0.0	
	Rajasthan	10834	0	227.9	67.7	0.8	472	0.0	
	Delhi	5893	0	118.1	99.9	-0.6	176	0.0	
	UP	15651	130	320.2	162.2	-0.4	252	0.0	
	Uttarakhand	1796	150	37.9	19.9	-0.1	226	0.3	
	HP	1344	0	28.3	-1.6	2.6	285	0.1	
	J&K	2097	524	41.3	18.4	-2.7	228	9.8	
	Chandigarh	330	0	6.3	6.5	-0.2	25	0.0	
	WR	Chhattisgarh	3960	0	86.5	20.1	-1.8	234	0.0
Gujarat		14715	0	333.5	68.2	4.1	779	0.1	
MP		8194	0	176.3	70.7	-0.4	507	0.0	
Maharashtra		19757	0	440.6	117.8	3.2	528	0.0	
Goa		444	0	11.6	10.5	0.4	52	0.0	
DD		332	0	7.5	6.3	1.1	116	0.0	
DNH		712	0	16.7	15.6	1.1	100	0.0	
Essar steel		482	0	10.0	8.6	1.4	295	0.0	
SR		Andhra Pradesh	8356	0	178.6	10.8	-0.6	496	0.0
		Telangana	9387	0	201.3	107.5	4.2	385	0.0
	Karnataka	9065	0	189.0	48.2	0.3	356	0.0	
	Kerala	3327	0	65.6	25.0	0.4	255	0.0	
	Tamil Nadu	14322	0	320.2	95.6	-1.4	649	0.0	
	Pondy	336	40	7.5	7.5	0.0	67	0.2	
	ER	Bihar	4426	0	85.0	82.4	2.4	250	0.0
		DVC	2941	0	68.0	-36.2	-0.9	200	0.0
		Jharkhand	924	0	20.8	18.4	0.2	160	0.0
		Odisha	4598	0	94.4	47.0	1.3	250	0.0
West Bengal		7503	0	140.7	38.8	1.2	400	0.0	
Sikkim		94	0	1.3	1.0	0.3	20	0.0	
NER	Arunachal Pradesh	102	7	2.2	3.6	-1.4	0	0.0	
	Assam	1698	137	28.5	23.9	-0.1	222	1.8	
	Manipur	167	2	1.9	2.4	-0.5	15	0.0	
	Meghalaya	324	7	5.6	1.4	-0.4	64	0.0	
	Mizoram	79	3	1.4	1.3	-0.3	6	0.0	
	Nagaland	112	3	2.2	2.4	-0.5	9	0.0	
	Tripura	234	4	3.8	6.0	-0.7	43	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.4	-5.2	-14.6
Day peak (MW)	1526.3	-380.6	-632.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.3	-264.6	56.0	-47.8	-4.5	0.5
Actual(MU)	254.7	-267.4	58.6	-40.7	-12.2	-7.0
O/D/U/D(MU)	-6.6	-2.8	2.6	7.1	-7.7	-7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4702	15061	10472	2090	179	32504
State Sector	9925	15709	8610	5235	50	39529
Total	14627	30770	19082	7325	229	72033

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	538	1101	467	388	8	2503
Hydro	348	26	110	85	30	599
Nuclear	28	27	24	0	0	79
Gas, Naptha & Diesel	17	39	24	0	24	103
RES (Wind, Solar, Biomass & Others)	79	166	309	0	0	555
Total	1011	1359	933	474	62	3839

Share of RES in total generation (%)	7.86	12.24	33.05	0.08	0.04	14.45
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.02	16.15	47.40	17.99	49.08	32.11

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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-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	0	427	0.0	7.2	-7.2	
2		SASARAM-FATEHPUR	S/C	126	69	1.9	0.0	1.9	
3		GAYA-BALIA	S/C	0	366	0.0	3.7	-3.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	396	0.0	9.3	-9.3	
5		PUSAULI B/B	S/C	0	146	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	134	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	77	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	665	0.0	13.0	-13.0	
9		PATNA-BALIA	Q/C	0	855	0.0	17.3	-17.3	
10		BIHARSHARIFF-BALIA	D/C	0	270	0.0	5.9	-5.9	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.5	0.0	4.5	
12		BIHARSHARIFF-VARANASI	D/C	749	0	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	0.0	2.4	-2.4	
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						6.8	64.6	-57.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	984	7	19.5	0.0	19.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	631	0	8.5	0.0	8.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	935	0	16.1	0.0	16.1	
21		RANCHI-SIPAT	D/C	327	0	5.5	0.0	5.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	109	23	1.0	0.0	1.0	
23		BUDHIPADAR-KORBA	D/C	169	0	3.1	0.0	3.1	
ER-WR						53.8	0.0	53.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1150.8	0.0	20.8	-20.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	482.3	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2170.6	0.0	41.1	-41.1	
27	400 kV	TALCHER-I/C	D/C	685.2	0.8	3.4	5.3	-1.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	71.8	-71.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	177	345	0.0	1.2	-1	
30		ALIPURDUAR-BONGAIGAON	D/C	395	169	3.4	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	29	110	0.0	2.0	-2	
ER-NER						3.4	3.2	0.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	601	0.0	12.7	-12.7	
NER-NR						0.0	12.7	-12.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2004	0.0	38.4	-38.4	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	2098	0.0	44.1	-44.1	
36	765 kV	GWALIOR-AGRA	D/C	0	1327	0.0	51.9	-51.9	
37		PHAGI-GWALIOR	D/C	0	1324	0.0	26.7	-26.7	
38		JABALPUR-ORAI	D/C	0	637	0.0	20.5	-20.5	
39		GWALIOR-ORAI	S/C	444	0	9.1	0.0	9.1	
40		SATNA-ORAI	S/C	0	1823	0.0	39.3	-39.3	
41		400 kV	ZERDA-KANKROLI	S/C	188	63	1.6	0.0	1.6
42			ZERDA -BHINMAL	S/C	142	50	1.1	0.0	1.1
43	V'CHAL -RIHAND		S/C	972	0	21.9	0.0	21.9	
44	RAPP-SHUJALPUR		D/C	64	264	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	41	33	0.1	1.0	-0.9	
46		BADOD-MORAK	S/C	0	119	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	40	18	0.2	0.1	0.1	
48	132kV	MALANPUR-AURAIYA	S/C	16	31	0.0	0.2	-0.1	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.0	225.4	-185.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	617	0.0	13.6	-13.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	756	486	2.8	0.0	2.8	
53		WARDHA-NIZAMABAD	D/C	0	1664	0.0	27.4	-27.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	771	0	10.6	0.0	10.6	
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						13.5	41.0	-27.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						32.4	
59		NEPAL						-5.2	
60		BANGLADESH						-14.6	