National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 27th 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., डोंगतिएह, 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 26.08.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-अगस्त-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 26th 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** **27-Aug-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	48860	38766	36720	19818	2568	146732
Peak Shortage (MW)	1154	0	0	160	103	1417
Energy Met (MU)	1120	923	893	431	50	3417
Hydro Gen (MU)	336	35	172	112	25	679
Wind Gen (MU)	29	100	165	----------	----------	294
Solar Gen (MU)*	17.86	12.1	46.35	0.88	0.02	77
Energy Shortage (MU)	10.7	0.0	0.0	0.5	1.4	12.6
Maximum Demand Met during the day	52984	41775	39007	20426	2608	151715
(MW) & time (from NLDC SCADA)	00:11	07:21	11:30	20:57	19:42	00:00

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	0.025	0.00	0.00	1.06	1.06	76.96	21.98

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	10169	0	233.8	136.6	0.1	116	0.0
	Haryana	8140	0	169.7	134.1	0.9	220	0.0
	Rajasthan	9687	0	207.7	53.7	1.1	346	0.0
	Delhi	5122	0	98.0	76.4	-0.7	175	0.0
	UP	15989	0	315.2	160.2	0.1	377	0.0
	Uttarakhand	1496	0	32.1	14.2	-1.2	115	0.0
	HP	1297	0	17.5	-3.6	2.5	185	0.0
	J&K	2295	574	41.4	18.4	-1.6	264	10.7
	Chandigarh	249	0	4.8	5.3	-0.5	2	0.0
WR	Chhattisgarh	3430	0	79.9	36.1	-2.1	153	0.0
	Gujarat	12084	0	251.1	57.2	-1.1	773	0.0
	MP	7126	0	156.4	66.2	-1.9	379	0.0
	Maharashtra	17363	0	377.6	109.1	-3.4	422	0.0
	Goa	412	0	8.7	8.0	0.0	43	0.0
	DD	304	0	5.8	5.3	0.5	67	0.0
	DNH	757	0	17.1	16.6	0.5	88	0.0
	Essar steel	571	0	11.1	10.4	0.7	295	0.0
SR	Andhra Pradesh	7784	0	175.5	13.7	2.3	521	0.0
	Telangana	9391	0	190.1	81.0	0.2	466	0.0
	Karnataka	9066	0	179.7	45.9	0.2	494	0.0
	Kerala	2870	0	55.9	23.1	-0.3	282	0.0
	Tamil Nadu	12607	0	285.3	85.9	-1.7	549	0.0
	Pondy	331	0	6.9	7.1	-0.1	22	0.0
ER	Bihar	4587	0	91.1	89.9	1.2	210	0.0
	DVC	2605	0	55.3	-21.1	5.8	560	0.5
	Jharkhand	1126	0	23.1	15.7	0.3	60	0.0
	Odisha	5656	0	98.3	36.9	1.6	290	0.0
	West Bengal	7992	0	162.0	44.6	2.6	250	0.0
	Sikkim	72	0	0.9	0.8	0.1	15	0.0
NER	Arunachal Pradesh	114	5	2.3	2.5	-0.2	6	0.0
	Assam	1718	26	31.2	26.5	1.1	209	1.2
	Manipur	180	2	2.1	2.4	-0.4	34	0.0
	Meghalaya	261	4	5.4	0.9	-0.1	8	0.0
	Mizoram	68	5	1.3	1.2	-0.2	4	0.0
	Nagaland	107	8	2.3	1.7	0.2	24	0.0
	Tripura	266	4	5.0	3.6	0.5	61	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.8	-4.3	-14.5
Day peak (MW)	1481.0	-348.0	-654.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.6	-235.0	39.2	-28.5	5.4	1.7
Actual(MU)	211.1	-241.0	36.8	-15.5	4.7	-3.9
O/D/U/D(MU)	-9.5	-6.1	-2.4	13.0	-0.7	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4391	14185	9762	2970	504	31812
State Sector	8295	20008	11193	7085	50	46631
Total	12686	34193	20955	10055	553	78443

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	509	956	398	353	8	2223
Hydro	336	35	172	112	25	680
Nuclear	27	27	24	0	0	78
Gas, Naptha & Diesel	21	39	23	0	16	98
RES (Wind, Solar, Biomass & Others)	49	112	249	1	0	411
Total	941	1170	865	466	48	3490

Share of RES in total generation (%)	5.16	9.57	28.78	0.19	0.09	11.76
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.69	14.94	51.43	24.17	52.08	33.48

H. Diversity Factor

All India Demand Diversity Factor	1.034

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.

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **27-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	94	275	0.0	3.0	-3.0
2		SASARAM-FATEHPUR	S/C	238	0	3.7	0.0	3.7
3		GAYA-BALIA	S/C	0	260	0.0	3.9	-3.9
4	**HVDC**	ALIPURDUAR-AGRA	-	0	399	0.0	8.0	-8.0
5		PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6
6	**400 kV**	PUSAULI-VARANASI	S/C	0	142	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	507	0.0	11.0	-11.0
9		PATNA-BALIA	Q/C	0	1069	0.0	20.6	-20.6
10		BIHARSHARIFF-BALIA	D/C	18	179	0.0	1.8	-1.8
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.8	0.0	4.8
12		BIHARSHARIFF-VARANASI	D/C	219	88	0.7	0.0	0.7
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	128	0.0	2.5	-2.5
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	35	0	0.5	0.0	0.5
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	**9.7**	**54.3**	**-44.6**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1433	1	26.2	0.0	26.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	987	0	18.0	0.0	18.0
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	1442	0	23.6	0.0	23.6
21		RANCHI-SIPAT	D/C	445	0	9.0	0.0	9.0
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	280	0	5.1	0.0	5.1
					ER-WR	**81.9**	**0.0**	**81.9**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1002.9	0.0	11.8	-11.8
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	467.3	0.0	11.1	-11.1
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1388.1	0.0	25.0	-25.0
27	**400 kV**	TALCHER-I/C	D/C	1065.4	0.9	0.0	23.2	-23.2
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**47.9**	**-47.9**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	508	0.0	9.9	-10
30		ALIPURDUAR-BONGAIGAON	D/C	0	410	0.0	6.8	-7
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	149	0.0	4.0	-4
					ER-NER	**0.0**	**20.7**	**-20.7**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	701	0.0	14.5	-14.5
					NER-NR	**0.0**	**14.5**	**-14.5**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	2001	0.0	24.1	-24.1
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1170	0.0	22.1	-22.1
36	**765 kV**	GWALIOR-AGRA	D/C	0	1369	0.0	48.7	-48.7
37		PHAGI-GWALIOR	D/C	0	1361	0.0	22.7	-22.7
38		JABALPUR-ORAI	D/C	0	644	0.0	21.4	-21.4
39		GWALIOR-ORAI	S/C	355	0	6.7	0.0	6.7
40		SATNA-ORAI	S/C	0	1928	0.0	37.4	-37.4
41	**400 kV**	ZERDA-KANKROLI	S/C	202	133	0.1	0.0	0.1
42		ZERDA -BHINMAL	S/C	106	230	1.7	0.0	1.7
43		V'CHAL -RIHAND	S/C	955	0	18.4	0.0	18.4
44		RAPP-SHUJALPUR	D/C	20	357	0	2	-2
45	**220 kV**	BADOD-KOTA	S/C	34	40	0.1	0.7	-0.6
46		BADOD-MORAK	S/C	2	85	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	32	25	0.1	0.2	-0.1
48		MALANPUR-AURAIYA	S/C	4	47	0.0	0.7	-0.7
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**33.1**	**180.9**	**-147.9**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	309	0.0	7.2	-7.2
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	831	836	6.0	0.0	6.0
53		WARDHA-NIZAMABAD	D/C	0	1752	0.0	18.4	-18.4
54	**400 kV**	KOLHAPUR-KUDGI	D/C	634	0	10.9	0.0	10.9
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
					WR-SR	**18.6**	**25.6**	**-7.0**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**33.8**
59		NEPAL						**-4.3**
60		BANGLADESH						**-14.5**