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: 14th Oct 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 13.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-अक्टूबर-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 13th October 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** **14-Oct-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46779	53352	42005	19448	2426	164010
Peak Shortage (MW)	872	0	10	0	127	1009
Energy Met (MU)	996	1284	1010	394	42	3727
Hydro Gen (MU)	189	25	137	77	19	447
Wind Gen (MU)	16	25	22	----------	----------	64
Solar Gen (MU)*	21.85	18.47	63.48	0.89	0.03	105
Energy Shortage (MU)	9.3	6.7	0.1	0.0	1.2	17.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49044 18:52	56666 11:24	43966 14:46	19918 18:42	2504 17:48	167525 18:50

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	0.035	0.00	0.00	7.52	7.52	79.33	13.15

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	6570	0	146.4	44.8	-0.9	81	0.0
	Haryana	6648	0	139.4	94.2	1.6	304	0.0
	Rajasthan	10518	0	218.1	50.7	-1.2	625	0.0
	Delhi	3746	0	75.3	53.1	-1.5	83	0.1
	UP	16153	410	312.3	122.7	-0.7	178	0.0
	Uttarakhand	1791	0	35.1	11.5	-0.4	126	0.0
	HP	1401	0	27.6	10.8	1.0	220	0.0
	J&K	1904	476	38.6	37.7	-9.4	-157	9.2
	Chandigarh	180	0	3.3	3.6	-0.3	26	0.0
WR	Chhattisgarh	4382	0	100.6	28.7	-0.7	110	0.0
	Gujarat	17259	0	387.2	147.7	8.8	750	0.0
	MP	11009	0	239.2	133.2	-1.2	515	0.0
	Maharashtra	24359	621	514.6	205.0	-0.3	628	6.6
	Goa	470	0	11.1	10.7	0.0	41	0.0
	DD	324	0	7.2	6.5	0.6	94	0.0
	DNH	776	0	17.6	17.2	0.4	81	0.0
	Essar steel	325	0	6.0	6.2	-0.2	263	0.0
SR	Andhra Pradesh	8790	0	192.2	64.2	8.9	1008	0.0
	Telangana	10291	0	218.1	96.9	2.7	523	0.0
	Karnataka	10177	0	215.1	40.8	3.3	867	0.0
	Kerala	3138	0	69.9	35.0	1.5	201	0.0
	Tamil Nadu	13686	0	307.2	132.9	3.6	638	0.0
	Pondy	350	10	7.7	7.1	0.6	64	0.1
ER	Bihar	4802	0	81.1	81.0	-2.8	400	0.0
	DVC	2957	0	62.2	-24.3	2.5	300	0.0
	Jharkhand	1031	0	23.3	13.8	-1.2	0	0.0
	Odisha	4637	0	93.3	37.2	2.9	250	0.0
	West Bengal	6693	0	133.1	16.6	-1.8	250	0.0
	Sikkim	91	0	1.2	1.2	0.0	30	0.0
NER	Arunachal Pradesh	120	3	2.0	2.4	-0.5	7	0.0
	Assam	1534	77	24.8	19.5	0.4	84	1.1
	Manipur	163	4	2.0	2.4	-0.4	14	0.0
	Meghalaya	312	0	5.3	2.3	-0.2	123	0.0
	Mizoram	83	2	1.8	0.9	0.5	9	0.0
	Nagaland	99	3	2.0	1.7	-0.1	32	0.0
	Tripura	231	2	4.6	2.2	0.0	50	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.1	-2.8	-12.2
Day peak (MW)	770.0	-162.0	-893.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	146.8	-119.9	71.9	-85.4	-3.8	9.6
Actual(MU)	120.2	-120.5	93.0	-85.3	-6.5	0.8
O/D/U/D(MU)	-26.6	-0.6	21.1	0.1	-2.8	-8.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3750	13023	6372	1010	426	24581
State Sector	8885	12993	6180	4785	21	32864
Total	12635	26016	12552	5795	447	57445

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	588	1269	597	416	0	2869
Hydro	189	25	137	77	0	429
Nuclear	28	25	34	0	0	87
Gas, Naptha & Diesel	41	50	24	0	5	119
RES (Wind, Solar, Biomass & Others)	56	44	130	1	19	249
Total	901	1413	922	494	23	3753

Share of RES in total generation (%)	6.17	3.12	14.13	0.18	80.31	6.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.23	6.71	32.71	15.81	80.31	20.39

H. Diversity Factor

All India Demand Diversity Factor	1.027

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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **14-Oct-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	106	298	0.0	3.8	-3.8
2		SASARAM-FATEHPUR	S/C	306	10	3.0	0.0	3.0
3		GAYA-BALIA	S/C	0	211	0.0	3.5	-3.5
4	**HVDC**	ALIPURDUAR-AGRA	-	0	701	0.0	17.0	-17.0
5		PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6
6	**400 kV**	PUSAULI-VARANASI	S/C	0	317	0.0	6.6	-6.6
7		PUSAULI -ALLAHABAD	S/C	0	155	0.0	2.8	-2.8
8		MUZAFFARPUR-GORAKHPUR	D/C	54	480	0.0	6.0	-6.0
9		PATNA-BALIA	Q/C	0	744	0.0	12.7	-12.7
10		BIHARSHARIFF-BALIA	D/C	0	209	0.0	3.0	-3.0
11		MOTIHARI-GORAKHPUR	D/C	0	347	0.0	6.4	-6.4
12		BIHARSHARIFF-VARANASI	D/C	200	85	0.7	0.0	0.7
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	177	0.0	3.5	-3.5
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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	**4.3**	**75.0**	**-70.6**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	717	0.0	11.9	-11.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	89	627	0.0	7.0	-7.0
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	0	639	0.0	9.1	-9.1
21		RANCHI-SIPAT	D/C	105	219	0.0	1.1	-1.1
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	99	27	0.9	0.0	0.9
					ER-WR	**0.9**	**29.1**	**-28.2**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	0.0	0.0
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	15.0	-15.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	362.0	0.0	0.0	0.0
27	**400 kV**	TALCHER-I/C	D/C	266.0	29.0	29.6	0.0	29.6
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**15.0**	**-15.0**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	495	0.0	7.7	-8
30		ALIPURDUAR-BONGAIGAON	D/C	91	156	0.0	0.6	-1
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	99	0.0	1.2	-1
					ER-NER	**0.0**	**9.4**	**-9.4**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.9	-16.9
					NER-NR	**0.0**	**16.9**	**-16.9**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	701	0.0	16.7	-16.7
34		V'CHAL B/B	D/C	241	0	5.8	0.0	5.8
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6
36	**765 kV**	GWALIOR-AGRA	D/C	0	643	0.0	17.2	-17.2
37		PHAGI-GWALIOR	D/C	0	1204	0.0	19.0	-19.0
38		JABALPUR-ORAI	D/C	180	121	0.0	0.9	-0.9
39		GWALIOR-ORAI	S/C	631	0	11.1	0.0	11.1
40		SATNA-ORAI	S/C	0	1518	0.0	33.5	-33.5
41	**400 kV**	ZERDA-KANKROLI	S/C	586	0	10.7	0.0	10.7
42		ZERDA -BHINMAL	S/C	454	0	8.4	0.0	8.4
43		V'CHAL -RIHAND	S/C	490	0	11.0	0.0	11.0
44		RAPP-SHUJALPUR	D/C	510	0	3	0	3
45	**220 kV**	BADOD-KOTA	S/C	132	0	2.7	0.0	2.7
46		BADOD-MORAK	S/C	119	0	2.1	0.0	2.1
47		MEHGAON-AURAIYA	S/C	147	0	2.6	0.0	2.6
48		MALANPUR-AURAIYA	S/C	103	0	1.7	0.0	1.7
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**59.6**	**101.9**	**-42.3**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	24.0	-24.0
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	0	2296	0.0	34.9	-34.9
53		WARDHA-NIZAMABAD	D/C	0	3159	0.0	60.4	-60.4
54	**400 kV**	KOLHAPUR-KUDGI	D/C	707	0	11.4	0.0	11.4
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	61	1.2	0.0	1.2
					WR-SR	**12.5**	**119.3**	**-106.8**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**15.1**
59		NEPAL						**-2.8**
60		BANGLADESH						**-12.2**