



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: 15th Oct 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 14.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-अक्टूबर-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 14th October 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42601	51314	40736	20068	2360	157079
Peak Shortage (MW)	1027	0	0	550	100	1677
Energy Met (MU)	939	1264	971	399	41	3614
Hydro Gen (MU)	180	22	117	78	19	416
Wind Gen (MU)	10	40	20	-----	-----	69
Solar Gen (MU)*	22.77	19.25	52.46	1.22	0.03	96
Energy Shortage (MU)	9.3	0.0	0.0	1.7	0.1	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44545 18:48	56122 11:02	42577 11:37	20211 19:07	2402 17:53	159949 18:48

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	0.038	0.00	0.31	9.58	9.90	83.92	6.18

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	6062	0	135.4	47.5	-0.4	117	0.0
	Haryana	5930	0	129.1	93.5	-0.4	127	0.0
	Rajasthan	10492	0	214.4	43.6	3.0	310	0.0
	Delhi	3450	0	70.7	46.9	-0.9	114	0.0
	UP	15315	590	289.9	115.4	-0.2	192	0.0
	Uttarakhand	1637	0	32.9	10.9	-0.1	152	0.0
	HP	1302	0	25.1	9.9	0.4	113	0.1
	J&K	1872	468	38.1	37.1	-7.8	-85	9.3
WR	Chhattisgarh	161	0	3.0	3.3	-0.3	10	0.0
	Gujarat	4367	0	101.3	27.2	0.3	102	0.0
	MP	16593	0	374.8	135.8	8.5	998	0.0
	Maharashtra	11002	0	240.1	131.5	-1.3	392	0.0
	Goa	23181	0	504.5	203.9	-3.2	431	0.0
	DD	470	0	11.1	9.3	1.4	24	0.0
	DNH	318	0	7.1	6.5	0.6	63	0.0
	Essar steel	753	0	17.4	16.8	0.6	162	0.0
SR	Andhra Pradesh	425	0	7.5	7.4	0.1	318	0.0
	Telangana	9453	0	191.2	77.4	7.2	498	0.0
	Karnataka	10273	0	214.8	85.9	5.7	496	0.0
	Kerala	10015	0	205.5	45.0	2.3	475	0.0
	Tamil Nadu	3133	0	63.6	37.6	0.7	169	0.0
	Pondy	12635	0	289.0	129.9	1.8	490	0.0
	Bihar	318	0	7.1	7.3	-0.2	17	0.0
	DVC	4738	0	87.2	82.6	1.6	200	0.0
ER	Jharkhand	2967	200	63.2	-25.9	2.2	300	0.6
	Odisha	1061	0	23.5	13.7	-0.7	0	0.0
	West Bengal	4670	350	93.7	37.0	1.8	500	1.1
	Sikkim	7016	0	130.3	12.5	-1.9	250	0.0
	Arunachal Pradesh	80	0	1.0	1.1	-0.2	30	0.0
	Assam	85	2	2.2	2.5	-0.2	-	0.0
	Manipur	1567	90	24.1	18.9	0.1	109	0.0
	Meghalaya	158	3	2.1	2.6	-0.5	28	0.0
NER	Mizoram	273	0	5.0	1.6	-0.6	48	0.0
	Nagaland	80	3	1.6	1.0	0.3	6	0.0
	Tripura	104	2	2.0	1.8	-0.2	4	0.0
		239	1	4.1	3.1	-0.4	22	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.7	-2.8	-19.3
Day peak (MW)	616.0	-130.0	-899.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	133.2	-114.6	71.6	-84.2	-3.3	2.7
Actual(MU)	121.7	-121.6	88.6	-85.0	-7.6	-3.9
O/D/U/D(MU)	-11.5	-7.0	17.0	-0.9	-4.3	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4180	13023	6972	1010	271	25456
State Sector	9795	12663	5920	5085	50	33513
Total	13975	25686	12892	6095	321	58969

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	552	1256	594	418	4	2825
Hydro	180	24	117	78	19	418
Nuclear	26	26	34	0	0	86
Gas, Naptha & Diesel	36	43	24	0	29	131
RES (Wind, Solar, Biomass & Others)	51	44	119	1	0	215
Total	845	1394	887	497	52	3675

Share of RES in total generation (%)	5.99	3.19	13.36	0.25	0.06	5.85
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.43	6.78	30.34	15.92	37.03	19.57

H. Diversity Factor

All India Demand Diversity Factor	1.037
-----------------------------------	-------

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 : **15-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	95	410	0.0	5.3	-5.3
2		SASARAM-FATEHPUR	S/C	278	74	2.4	0.0	2.4
3	HVDC	GAYA-BALIA	S/C	0	249	0.0	4.1	-4.1
4		ALIPURDUAR-AGRA	-	0	500	0.0	9.8	-9.8
5		PUSAULI B/B	S/C	2	399	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	S/C	0	302	0.0	6.2	-6.2
7		PUSAULI -ALLAHABAD	S/C	9	176	0.0	3.3	-3.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	595	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	814	0.0	14.5	-14.5
10		BIHARSHARIFF-BALIA	D/C	0	238	0.0	4.1	-4.1
11		MOTIHARI-GORAKHPUR	D/C	0	362	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	191	149	0.0	0.7	-0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	159	0.0	3.3	-3.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.7	0.0	0.7
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						3.1	75.7	-72.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	929	0.0	15.0	-15.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	148	725	0.0	8.3	-8.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	82	530	0.0	6.3	-6.3
21		RANCHI-SIPAT	D/C	166	235	0.0	1.2	-1.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	137	36	0.9	0.0	0.9
ER-WR						0.9	30.7	-29.9
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	681.0	0.0	15.4	-15.4
26		TALCHER-KOLAR BIPOLE	D/C	0.0	390.0	0.0	0.0	0.0
27	400 kV	TALCHER-I/C	D/C	235.0	0.0	32.9	0.0	32.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	15.4	-15.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	466	0.0	5.9	-6
30		ALIPURDUAR-BONGAIGAON	D/C	84	280	0.0	1.4	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	102	0.0	1.0	-1
ER-NER						0.0	8.3	-8.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	703	0	0.0	17.0	-17.0
NER-NR						0.0	17.0	-17.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	702	0.0	16.0	-16.0
34		VCHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	596	0.0	14.6	-14.6
36	765 kV	GWALIOR-AGRA	D/C	0	533	0.0	13.9	-13.9
37		PHAGI-GWALIOR	D/C	0	1016	0.0	16.2	-16.2
38		JABALPUR-ORAI	D/C	266	85	0.0	3.5	-3.5
39		GWALIOR-ORAI	S/C	427	0	8.5	0.0	8.5
40		SATNA-ORAI	S/C	0	1508	0.0	32.6	-32.6
41	400 kV	ZERDA-KANKROLI	S/C	527	0	9.3	0.0	9.3
42		ZERDA -BHINMAL	S/C	420	0	6.9	0.0	6.9
43		VCHAL -RIHAND	S/C	487	0	11.1	0.0	11.1
44	220 kV	RAPP-SHUJALPUR	D/C	503	0	4	0	4
45		BADOD-KOTA	S/C	112	0	2.6	0.0	2.6
46		BADOD-MORAK	S/C	110	0	2.1	0.0	2.1
47		MEHGAON-AURAIYA	S/C	128	0	2.3	0.0	2.3
48		MALANPUR-AURAIYA	S/C	85	0	1.6	0.0	1.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						54.1	96.8	-42.7
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2542	0.0	37.7	-37.7
53		WARDHA-NIZAMABAD	D/C	0	2938	0.0	56.2	-56.2
54	400 kV	KOLHAPUR-KUDGI	D/C	638	0	10.3	0.0	10.3
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	68	1.2	0.0	1.2
WR-SR						11.5	117.7	-106.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						12.7
59		NEPAL						-2.8
60		BANGLADESH						-19.3