



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: 22nd 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 21.10.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-अक्टूबर-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 21st 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 22-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41870	50989	39091	20237	2418	154605
Peak Shortage (MW)	1272	237	0	0	45	1554
Energy Met (MU)	939	1254	894	404	43	3535
Hydro Gen (MU)	160	33	85	72	16	365
Wind Gen (MU)	8	27	38	-----	-----	73
Solar Gen (MU)*	18.17	19.68	67.85	0.88	0.02	107
Energy Shortage (MU)	9.1	13.3	0.0	0.0	1.0	23.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42961 18:59	56093 11:00	39163 18:49	20347 19:21	2462 18:19	155515 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	0.084	0.00	2.55	23.75	26.30	70.49	3.22

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	5849	0	128.4	27.8	-0.4	37	0.0
	Haryana	5858	0	130.1	94.9	0.6	123	0.0
	Rajasthan	10613	0	215.4	37.3	3.3	596	0.0
	Delhi	3421	0	66.4	53.5	-0.9	85	0.0
	UP	13868	450	299.7	114.0	-1.5	220	0.0
	Uttarakhand	1677	0	33.7	11.3	1.3	244	0.0
	HP	1294	0	24.7	12.3	0.2	116	0.0
	J&K	2008	502	38.0	35.2	-6.3	-73	9.1
WR	Chhattisgarh	156	0	2.9	3.1	-0.2	3	0.0
	Chhattisgarh	4199	0	99.0	28.9	-0.3	165	0.0
	Gujarat	16219	0	363.1	121.2	6.6	629	0.0
	MP	11527	0	251.6	140.0	-1.1	518	0.0
	Maharashtra	23766	1073	498.2	182.9	1.6	513	13.3
	Goa	470	0	9.3	8.8	0.1	33	0.0
	DD	341	0	7.5	6.6	0.9	109	0.0
	DNH	744	0	17.4	16.9	0.5	70	0.0
SR	Essar steel	418	0	7.9	8.2	-0.3	304	0.0
	Andhra Pradesh	8089	0	181.1	56.2	1.9	689	0.0
	Telangana	9969	0	217.4	103.4	1.1	661	0.0
	Karnataka	8363	0	164.5	44.3	-1.6	488	0.0
	Kerala	3234	0	62.3	39.5	0.3	216	0.0
	Tamil Nadu	12063	0	262.4	127.0	-0.5	472	0.0
	Pondy	288	0	6.2	6.5	-0.3	25	0.0
	ER	Bihar	4466	0	80.8	79.4	-0.9	200
DVC		2587	0	60.2	-20.0	4.4	300	0.0
Jharkhand		1033	0	24.2	13.8	0.7	150	0.0
Odisha		4928	0	104.2	41.3	2.4	400	0.0
West Bengal		7164	0	134.2	27.7	5.5	500	0.0
Sikkim		59	0	0.9	1.0	-0.1	35	0.0
NER	Arunachal Pradesh	120	6	2.1	2.0	0.2	90	0.0
	Assam	1504	32	24.6	18.0	1.7	133	0.9
	Manipur	175	5	2.3	2.3	0.0	54	0.0
	Meghalaya	283	2	5.2	2.6	-0.2	28	0.0
	Mizoram	76	4	1.8	0.7	0.6	10	0.0
	Nagaland	113	4	2.2	1.7	0.1	9	0.0
	Tripura	238	2	5.0	2.6	1.0	21	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.1	-1.6	-20.0
Day peak (MW)	590.7	-104.0	-918.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.3	-142.0	96.4	-63.5	-8.7	-0.5
Actual(MU)	103.9	-149.1	94.9	-49.6	-8.5	-8.4
O/D/U/D(MU)	-13.5	-7.1	-1.5	13.9	0.2	-8.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5104	11157	7572	1010	56	24899
State Sector	9240	13176	8360	6580	50	37406
Total	14344	24333	15932	7590	106	62304

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	599	1244	531	400	11	2784
Hydro	160	33	85	72	16	365
Nuclear	24	27	23	0	0	75
Gas, Naptha & Diesel	28	64	25	0	27	143
RES (Wind, Solar, Biomass & Others)	44	48	143	1	0	236
Total	855	1415	806	473	54	3603

Share of RES in total generation (%)	5.19	3.36	17.72	0.20	0.07	6.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.75	7.62	31.06	15.45	28.95	18.75

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : 22-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	371	188	0.0	0.8	-0.8	
2		SASARAM-FATEHPUR	S/C	388	0	4.3	0.0	4.3	
3		GAYA-BALIA	S/C	16	157	0.0	2.4	-2.4	
4		ALIPURDUAR-AGRA	-	0	502	0.0	12.1	-12.1	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	311	0.0	6.4	-6.4	
7		PUSAULI -ALLAHABAD	S/C	0	167	0.0	3.2	-3.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	257	398	0.0	3.5	-3.5	
9		PATNA-BALIA	Q/C	0	683	0.0	12.2	-12.2	
10		BIHARSHARIFF-BALIA	D/C	113	138	0.0	1.4	-1.4	
11		MOTIHARI-GORAKHPUR	D/C	0	334	0.0	6.3	-6.3	
12		BIHARSHARIFF-VARANASI	D/C	332	39	2.0	0.0	2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	166	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						7.0	61.1	-54.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1028	1	8.4	0.0	8.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	643	0	8.3	0.0	8.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1609	0	23.0	0.0	23.0	
21		RANCHI-SIPAT	D/C	341	0	5.6	0.0	5.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	320	0	5.6	0.0	5.6	
ER-WR						51.0	0.0	51.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1268.0	0.0	22.8	-22.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	613.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1348.0	0.0	41.9	-41.9	
27	400 kV	TALCHER-I/C	D/C	0.0	886.0	0.0	11.6	-11.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	79.3	-79.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	384	0.0	5.2	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	200	143	0.1	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	1	86	0.0	1.0	-1	
ER-NER						0.1	6.3	-6.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.9	-15.9	
NER-NR						0.0	15.9	-15.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	450	0.0	10.5	-10.5	
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	0	656	0.0	22.1	-22.1	
37	765 kV	PHAGI-GWALIOR	D/C	0	1038	0.0	15.6	-15.6	
38		JABALPUR-ORAI	D/C	206	342	0.0	6.5	-6.5	
39		GWALIOR-ORAI	S/C	349	260	1.1	0.0	1.1	
40		SATNA-ORAI	S/C	0	1548	0.0	14.6	-14.6	
41		400 kV	ZERDA-KANKROLI	S/C	350	0	5.3	0.0	5.3
42			ZERDA -BHINMAL	S/C	301	111	3.4	0.0	3.4
43	V'CHAL -RIHAND		S/C	491	0	11.5	0.0	11.5	
44	RAPP-SHUJALPUR		D/C	197	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	57	36	2.3	0.0	2.3	
46		BADOD-MORAK	S/C	0	93	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	125	0	2.1	0.0	2.1	
48	132kV	MALANPUR-AURAIYA	S/C	86	0	1.4	0.0	1.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.4	85.2	-48.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	15.6	-15.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	645	1604	0.0	15.5	-15.5	
53		WARDHA-NIZAMABAD	D/C	0	2289	0.0	36.0	-36.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	1114	0	17.6	0.0	17.6	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	58	1.2	0.0	1.2	
WR-SR						18.8	67.1	-48.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						10.1	
59		NEPAL						-1.6	
60		BANGLADESH						-20.0	