



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: 16th Oct 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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., डोंगतिह, 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 15.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-अक्टूबर-2019 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 15th Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

16-Oct-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48419	49193	38764	20513	2660	159549
Peak Shortage (MW)	499	0	0	0	126	625
Energy Met (MU)	1040	1111	874	413	48	3486
Hydro Gen (MU)	171	76	154	110	14	525
Wind Gen (MU)	5	25	25	-----	-----	56
Solar Gen (MU)*	26.13	24.3	64.07	2.06	0.05	117
Energy Shortage (MU)	14.0	0.0	0.0	0.0	1.6	15.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50489 19:17	50117 18:53	40745 18:43	21517 18:35	2866 18:01	163897 19:15

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	0.029	0.00	0.00	5.12	5.12	77.91	16.98

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	6543	0	151.2	64.1	-1.2	90	0.0
	Haryana	7389	0	157.7	118.4	0.5	126	0.0
	Rajasthan	9742	0	211.2	60.2	-0.8	266	0.0
	Delhi	4268	0	86.0	69.4	-0.1	206	0.0
	UP	17347	0	326.3	129.8	1.2	611	4.0
	Uttarakhand	1783	0	36.1	17.1	0.7	255	0.0
	HP	1477	0	26.8	13.1	0.6	117	0.4
	J&K	2044	511	40.3	31.5	-0.1	254	9.6
	Chandigarh	223	0	4.3	4.0	0.3	30	0.0
	WR	Chhattisgarh	3919	0	87.1	37.3	-0.4	196
Gujarat		15882	0	348.0	68.8	3.6	533	0.0
MP		8581	0	184.5	115.0	-2.3	637	0.0
Maharashtra		20089	0	446.6	151.3	-2.1	523	0.0
Goa		541	0	12.8	11.7	0.5	114	0.0
DD		342	0	7.6	7.0	0.6	55	0.0
DNH		765	0	18.2	18.2	0.0	31	0.0
Essar steel		346	0	6.3	6.0	0.3	314	0.0
Andhra Pradesh		7288	0	164.4	58.5	-0.8	547	0.0
Telangana		8348	0	179.7	46.7	-0.2	356	0.0
SR	Karnataka	8282	0	160.7	26.2	-1.5	667	0.0
	Kerala	3473	0	69.6	44.8	1.3	184	0.0
	Tamil Nadu	13826	0	292.1	163.3	0.5	725	0.0
	Pondy	383	0	7.7	8.1	-0.4	45	0.0
	Bihar	5062	0	92.2	88.8	1.2	75	0.0
ER	DVC	2934	0	62.9	-19.1	1.0	200	0.0
	Jharkhand	1144	0	24.1	16.0	-1.5	100	0.0
	Odisha	4442	0	84.4	11.6	9.1	550	0.0
	West Bengal	7850	0	148.2	43.7	1.3	250	0.0
	Sikkim	97	0	0.9	1.3	-0.4	20	0.0
NER	Arunachal Pradesh	125	1	2.1	1.9	-0.5	33	0.0
	Assam	1763	108	29.4	23.0	0.8	128	1.5
	Manipur	178	4	2.5	2.3	0.2	37	0.0
	Meghalaya	328	0	5.6	1.6	0.1	56	0.0
	Mizoram	96	1	1.6	0.4	0.8	26	0.0
	Nagaland	132	2	2.3	2.0	0.0	32	0.0
	Tripura	284	6	4.8	3.2	1.1	74	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	29.6	-1.5	-25.4
Day peak (MW)	1340.3	-250.7	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	226.2	-213.8	80.1	-96.0	3.6	0.0
Actual(MU)	198.2	-194.6	74.8	-96.8	13.7	-4.7
O/D/U/D(MU)	-28.1	19.2	-5.3	-0.7	10.1	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2832	17005	8902	1400	910	31049
State Sector	8331	17851	8670	6130	11	40993
Total	11163	34855	17572	7530	922	72042

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	541	1066	440	423	9	2479
Lignite	20	14	47	0	0	81
Hydro	171	76	154	110	14	525
Nuclear	28	29	37	0	0	93
Gas, Naptha & Diesel	31	77	13	0	23	144
RES (Wind, Solar, Biomass & Others)	39	54	118	2	0	213
Total	830	1316	809	534	46	3536

Share of RES in total generation (%)	4.75	4.10	14.56	0.39	0.11	6.03
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.73	12.09	38.15	20.91	29.86	23.52

H. Diversity Factor

All India Demand Diversity Factor	1.011
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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 : 16-Oct-19

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	152	495	0.0	6.2	-6.2	
2		SASARAM-FATEHPUR	S/C	147	162	0.0	0.7	-0.7	
3		GAYA-BALIA	S/C	0	332	0.0	6.0	-6.0	
4		ALIPURDUAR-AGRA	-	0	700	0.0	15.0	-15.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	187	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	741	0.0	9.7	-9.7	
9		PATNA-BALIA	Q/C	0	962	0.0	19.5	-19.5	
10		BIHARSHARIFF-BALIA	D/C	0	260	0.0	4.1	-4.1	
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	202	155	0.3	0.0	0.3	
13		PUSAULI-SAHUPURI	S/C	0	157	0.0	2.9	-2.9	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	30	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						0.8	73.2	-72.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1449	0	24.7	0.0	24.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	572	133	7.8	0.0	7.8	
20		JHARSUGUDA-DURG	D/C	157	39	1.9	0.0	1.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	130	204	0.0	0.6	-0.6	
22		RANCHI-SIPAT	D/C	208	31	3.0	0.0	3.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	3	81	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	150	0	2.1	0.0	2.1	
ER-WR						39.5	1.5	38.0	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1359.0	0.0	24.3	-24.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	477.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	38.2	-38.2	
28	400 kV	TALCHER-I/C	D/C	217.0	991.0	0.0	10.5	-10.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	73.6	-73.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	610	0.0	9.3	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	566	0.0	7.8	-8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	145	0.0	2.4	-2	
ER-NER						0.0	19.4	-19.4	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	12.6	-12.6	
NER-NR						0.0	12.6	-12.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1886	0.0	35.7	-35.7	
35		V'CHAL B/B	D/C	361	0	0.0	22.6	-22.6	
36		APL -MHG	D/C	0	1923	0.0	40.3	-40.3	
37	765 kV	GWALIOR-AGRA	D/C	0	1970	0.0	33.8	-33.8	
38		PHAGI-GWALIOR	D/C	0	905	0.0	14.4	-14.4	
39		JABALPUR-ORAI	D/C	0	654	0.0	11.8	-11.8	
40		GWALIOR-ORAI	S/C	333	0	5.3	0.0	5.3	
41		SATNA-ORAI	S/C	0	1243	0.0	26.9	-26.9	
42		CHITTORGARH-BANASKANTHA	D/C	1	669	0.0	7.9	-7.9	
43	400 kV	ZERDA-KANKROLI	S/C	82	89	0.4	0.5	-0.1	
44		ZERDA -BHINMAL	S/C	14	194	0.0	2.1	-2.1	
45		V'CHAL -RIHAND	S/C	978	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	97	244	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	20	52	0.1	0.6	-0.5	
48		BHANPURA-MORAK	S/C	0	89	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	92	4	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	65	36	0.1	0.3	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						29.0	201.0	-171.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	10.6	-10.6	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	868	1370	3.2	10.5	-7.3	
55		WARDHA-NIZAMABAD	D/C	0	1656	0.0	22.7	-22.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	829	0	10.2	0.0	10.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	67	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	1	39	0.6	0.0	0.6	
WR-SR						14.0	44.9	-30.9	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						29.6	
61		NEPAL						-1.5	
62		BANGLADESH						-25.4	