



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 Nov 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., डोंगतेह, 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 14.11.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-नवम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 Nov 2019, 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 15-Nov-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)	41686	46014	39167	17957	2410	147234
Peak Shortage (MW)	782	0	0	0	55	837
Energy Met (MU)	859	1056	907	334	42	3198
Hydro Gen (MU)	134	47	101	50	11	343
Wind Gen (MU)	13	31	39	-----	-----	83
Solar Gen (MU)*	8.34	20.3	61.35	1.91	0.05	92
Energy Shortage (MU)	10.5	0.0	0.0	0.0	0.8	11.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42820 18:37	48711 10:44	41285 18:41	17995 17:58	2433 17:34	151116 18:37

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	0.030	0.00	0.00	4.26	4.26	75.68	20.06

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	5169	0	104.0	48.5	-1.8	200	0.0
	Haryana	5941	0	114.0	102.6	0.4	175	0.0
	Rajasthan	10445	0	196.9	57.4	-2.0	551	0.0
	Delhi	3423	0	63.2	46.6	-0.4	135	0.0
	UP	14407	0	276.1	116.6	0.5	903	1.1
	Uttarakhand	1717	0	34.0	18.8	0.6	169	0.0
	HP	1546	0	28.5	19.2	0.4	84	0.2
	J&K	2203	551	39.2	31.9	-0.2	201	9.3
	Chandigarh	194	0	3.4	3.3	0.1	34	0.0
WR	Chhattisgarh	3397	0	71.2	23.9	-0.2	245	0.0
	Gujarat	14486	0	309.8	87.9	0.5	706	0.0
	MP	11097	0	221.1	147.8	-3.1	231	0.0
	Maharashtra	18807	0	409.9	130.4	-2.2	456	0.0
	Goa	541	0	12.4	12.0	-0.2	34	0.0
	DD	319	0	7.2	6.8	0.4	41	0.0
	DNH	769	0	18.0	18.1	-0.1	37	0.0
	Essar steel	313	0	6.0	5.7	0.3	0	0.0
	Andhra Pradesh	8018	0	171.9	72.9	1.2	685	0.0
SR	Telangana	8398	0	183.5	69.3	1.3	543	0.0
	Karnataka	9052	0	175.6	37.7	0.6	921	0.0
	Kerala	3590	0	71.4	54.1	1.5	186	0.0
	Tamil Nadu	14078	0	297.1	148.3	-0.2	611	0.0
	Pondy	389	0	7.6	8.0	-0.4	27	0.0
	Bihar	4212	0	69.7	69.5	-0.7	210	0.0
ER	DVC	3023	0	61.4	-40.1	0.0	245	0.0
	Jharkhand	1113	0	24.7	16.6	-0.9	70	0.0
	Odisha	3516	0	65.0	3.5	-0.3	205	0.0
	West Bengal	6331	0	112.3	36.1	1.7	315	0.0
	Sikkim	100	0	1.4	1.6	-0.2	20	0.0
	Arunachal Pradesh	105	2	2.1	1.6	0.3	57	0.0
NER	Assam	1472	24	23.5	19.2	-1.1	99	0.8
	Manipur	165	3	2.4	2.3	0.1	25	0.0
	Meghalaya	333	0	5.7	3.0	0.1	50	0.0
	Mizoram	93	1	1.7	0.4	0.5	22	0.0
	Nagaland	108	2	2.2	2.0	0.0	37	0.0
	Tripura	232	1	4.1	2.6	0.0	47	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.8	-1.1	-19.9
Day peak (MW)	618.3	-230.0	-1071.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	193.6	-177.9	82.5	-97.2	-0.9	0.0
Actual(MU)	188.8	-187.4	99.7	-107.6	0.6	-5.9
O/D/U/D(MU)	-4.7	-9.5	17.2	-10.3	1.5	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4822	16758	7432	1580	584	31176
State Sector	13431	18313	8000	4870	11	44625
Total	18253	35071	15432	6450	596	75801

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	439	1052	459	405	11	2366
Lignite	17	15	55	0	0	88
Hydro	134	47	101	50	11	343
Nuclear	28	28	55	0	0	111
Gas, Naptha & Diesel	30	53	16	0	24	122
RES (Wind, Solar, Biomass & Others)	43	59	134	2	0	239
Total	691	1255	820	457	46	3270

Share of RES in total generation (%)	6.27	4.74	16.37	0.43	0.11	7.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.68	10.75	35.39	11.35	24.88	21.22

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.014
Based on State Max Demands	1.053

Diversity factor = Sum of regional or state-wise 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-Nov-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	951	0.0	14.4	-14.4	
2		SASARAM-FATEHPUR	S/C	0	516	0.0	7.4	-7.4	
3		GAYA-BALIA	S/C	0	474	0.0	8.3	-8.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	147	0.0	2.9	-2.9	
7		PUSAULI -ALLAHABAD	S/C	0	128	0.0	1.9	-1.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1095	0.0	15.9	-15.9	
9		PATNA-BALIA	Q/C	0	1180	0.0	22.0	-22.0	
10		BIHARSHARIFF-BALIA	D/C	0	391	0.0	6.5	-6.5	
11		MOTIHARI-GORAKHPUR	D/C	3	6	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	0	376	0.0	4.3	-4.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	82	0.0	1.3	-1.3	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
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	0.4	89.8	-89.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1003	0	17.3	0.0	17.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	453	395	2.2	0.0	2.2	
20		JHARSUGUDA-DURG	D/C	41	160	0.0	0.9	-0.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	100	275	0.0	2.4	-2.4	
22		RANCHI-SIPAT	D/C	146	42	1.0	0.0	1.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	83	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	97	0	1.3	0.0	1.3	
						ER-WR	21.8	4.3	17.5
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2009.0	0.0	35.3	-35.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	422.0	0.0	9.8	-9.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1491.0	0.0	29.2	-29.2	
28	400 kV	TALCHER-I/C	D/C	77.0	490.0	0.0	4.0	-4.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	74.3	-74.3
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	283	39	4.3	0.0	4	
31		ALIPURDUAR-BONGAIGAON	D/C	303	44	4.0	0.0	4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	56	31	0.5	0.0	1	
						ER-NER	8.8	0.0	8.8
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	373	0	9.3	0.0	9.3	
						NER-NR	9.3	0.0	9.3
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	474	0.0	11.2	-11.2	
35		V'CHAL B/B	D/C	452	0	10.7	0.0	10.7	
36		APL -MHG	D/C	0	1315	0.0	31.5	-31.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2244	0.0	39.6	-39.6	
38		PHAGI-GWALIOR	D/C	0	1539	0.0	22.9	-22.9	
39		JABALPUR-ORAI	D/C	0	916	0.0	30.0	-30.0	
40		GWALIOR-ORAI	S/C	629	0	11.4	0.0	11.4	
41		SATNA-ORAI	S/C	0	1362	0.0	28.3	-28.3	
42		CHITTORGARH-BANASKANTHA	D/C	222	530	0.0	2.2	-2.2	
43		ZERDA-KANKROLI	S/C	144	69	1.3	0.1	1.2	
44	400 kV	ZERDA -BHINMAL	S/C	246	192	1.8	0.7	1.0	
45		V'CHAL -RIHAND	S/C	982	0	22.0	0.0	22.0	
46		RAPP-SHUJALPUR	D/C	133	238	0	0	0	
47	220 kV	BHANPURA-RANPUR	S/C	10	33	0.0	0.2	-0.2	
48		BHANPURA-MORAK	S/C	14	105	0.0	0.8	-0.7	
49		MEHGAON-AURAIYA	S/C	108	0	1.4	0.0	1.4	
50		MALANPUR-AURAIYA	S/C	53	11	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	48.9	167.7	-118.8
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	12.1	-12.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1121	1494	2.0	15.4	-13.4	
55		WARDHA-NIZAMABAD	D/C	137	1986	0.0	30.5	-30.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	1006	0	10.7	0.0	10.7	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	67	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	75	1.5	0.0	1.5	
						WR-SR	14.2	59.2	-45.0
TRANSNATIONAL EXCHANGE									
60		BHUTAN						11.8	
61		NEPAL						-1.1	
62		BANGLADESH						-19.9	