



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: 28th 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., 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 27.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-अक्टूबर-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 27th Oct 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

28-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)	36869	34586	29524	18246	2196	121421
Peak Shortage (MW)	483	0	0	0	85	568
Energy Met (MU)	820	810	679	352	41	2702
Hydro Gen (MU)	141	31	143	82	19	416
Wind Gen (MU)	9	57	11	-----	-----	77
Solar Gen (MU)*	29.12	13.04	53.75	2.02	0.04	98
Energy Shortage (MU)	10.3	0.0	0.0	0.0	1.8	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	39431 06:40	38134 07:07	31110 08:14	18394 18:31	2305 17:42	124786 18:34

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	0.033	0.00	0.00	2.58	2.58	73.72	23.70

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	4594	0	90.7	49.7	-1.5	85	0.0	
	Haryana	5309	0	104.3	99.0	-0.7	152	0.0	
	Rajasthan	9855	0	185.3	54.5	-0.6	418	0.0	
	Delhi	3006	0	60.8	45.2	-0.8	103	0.0	
	UP	14083	0	290.0	126.1	0.5	665	0.0	
	Uttarakhand	1328	0	26.1	13.9	0.0	73	0.0	
	HP	1041	0	17.0	9.0	-0.5	151	0.0	
	J&K	2194	549	43.1	37.1	-1.5	126	10.2	
WR	Chandigarh	156	0	2.9	3.4	-0.5	3	0.0	
	Chhattisgarh	2972	0	68.5	23.9	-1.2	183	0.0	
	Gujarat	10552	0	233.3	77.0	-0.9	725	0.0	
	MP	7857	0	162.8	113.4	-0.7	300	0.0	
	Maharashtra	14584	0	313.9	109.5	-2.2	474	0.0	
	Goa	541	0	8.9	8.5	-0.2	54	0.0	
	DD	246	0	4.0	3.4	0.5	68	0.0	
	DNH	701	0	12.0	12.3	-0.3	102	0.0	
SR	Essar steel	358	0	6.8	7.2	-0.5	288	0.0	
	Andhra Pradesh	6576	0	146.1	57.2	-0.6	395	0.0	
	Telangana	6553	0	141.9	39.2	-4.0	232	0.0	
	Karnataka	6988	0	132.6	37.1	-4.7	710	0.0	
	Kerala	2950	0	57.2	44.3	0.7	170	0.0	
	Tamil Nadu	9968	0	195.7	117.8	-2.7	644	0.0	
	Pondy	272	0	5.3	6.4	-1.2	47	0.0	
	ER	Bihar	4536	0	77.9	76.7	-0.8	100	0.0
DVC		2826	0	58.8	-17.0	0.5	217	0.0	
Jharkhand		1265	0	24.5	14.7	-0.9	0	0.0	
Odisha		3695	0	76.1	10.0	0.4	220	0.0	
West Bengal		6408	0	113.9	37.0	3.6	350	0.0	
Sikkim		84	0	0.8	1.3	-0.5	0	0.0	
NER		Arunachal Pradesh	109	1	2.2	2.1	-0.1	95	0.0
		Assam	1318	70	22.7	16.3	1.0	182	1.8
	Manipur	156	2	2.5	2.3	0.2	38	0.0	
	Meghalaya	301	0	5.6	0.6	-0.4	16	0.0	
	Mizoram	94	1	1.7	0.9	0.3	42	0.0	
	Nagaland	119	2	2.4	1.9	0.3	16	0.0	
	Tripura	248	1	4.1	3.3	-0.5	15	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	19.3	-1.4	-23.3
Day peak (MW)	852.8	-130.0	-1103.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.6	-203.1	74.0	-56.9	-4.6	0.0
Actual(MU)	171.3	-195.4	63.9	-41.7	-2.4	-4.3
O/D/U/D(MU)	-19.3	7.7	-10.1	15.2	2.1	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2367	15311	9212	2030	660	29580
State Sector	12441	25670	13693	6180	11	57995
Total	14808	40981	22905	8210	672	87575

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	414	836	266	325	10	1850
Lignite	17	11	42	0	0	70
Hydro	141	31	143	82	19	416
Nuclear	24	29	60	0	0	113
Gas, Naptha & Diesel	23	34	16	0	21	94
RES (Wind, Solar, Biomass & Others)	45	82	93	2	0	222
Total	663	1023	621	409	49	2765

Share of RES in total generation (%)	6.72	8.04	15.03	0.50	0.08	8.04
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.58	13.89	47.81	20.57	38.39	27.17

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 28-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	150	312	0.0	3.6	-3.6	
2		SASARAM-FATEHPUR	S/C	126	134	0.0	0.4	-0.4	
3		GAYA-BALIA	S/C	0	256	0.0	4.9	-4.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	600	0.0	11.6	-11.6	
5		PUSAULI B/B	S/C	0	199	0.0	5.1	-5.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	13	502	0.0	7.3	-7.3	
9		PATNA-BALIA	Q/C	0	569	0.0	11.6	-11.6	
10		BIHARSHARIFF-BALIA	D/C	26	164	0.0	2.0	-2.0	
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	217	49	1.5	0.0	1.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	17	102	0.0	1.1	-1.1	
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	1.8	52.5	-50.6
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1522	0	21.1	0.0	21.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	799	0	13.2	0.0	13.2	
20		JHARSUGUDA-DURG	D/C	135	21	1.4	0.0	1.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	218	0	2.1	0.0	2.1	
22		RANCHI-SIPAT	D/C	284	0	4.5	0.0	4.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	57	0.0	0.7	-0.7	
24		BUDHIPADAR-KORBA	D/C	89	0	1.3	0.0	1.3	
						ER-WR	43.6	0.7	42.9
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1794.0	0.0	24.2	-24.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	424.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1488.0	0.0	29.5	-29.5	
28	400 kV	TALCHER-I/C	D/C	612.0	506.0	0.0	3.6	-3.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	63.6	-63.6
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	45	310	0.0	1.3	-1	
31		ALIPURDUAR-BONGAIGAON	D/C	166	175	1.4	0.0	1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	6	72	0.0	0.4	0	
						ER-NER	1.4	1.7	-0.3
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	6.6	-6.6	
						NER-NR	0.0	6.6	-6.6
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	491	0.0	14.4	-14.4	
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1076	0.0	21.0	-21.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2112	0.0	41.0	-41.0	
38		PHAGI-GWALIOR	D/C	0	1157	0.0	21.7	-21.7	
39		JABALPUR-ORAI	D/C	0	734	0.0	28.5	-28.5	
40		GWALIOR-ORAI	S/C	394	0	7.9	0.0	7.9	
41		SATNA-ORAI	S/C	0	1329	0.0	28.5	-28.5	
42		CHITTORGARH-BANASKANTHA	D/C	208	929	0.0	7.2	-7.2	
43		ZERDA-KANKROLI	S/C	121	114	0.7	0.5	0.1	
44	400 kV	ZERDA -BHINMAL	S/C	55	261	0.1	2.2	-2.0	
45		V'CHAL -RIHAND	S/C	971	0	22.2	0.0	22.2	
46	220 kV	RAPP-SHUJALPUR	D/C	69	195	0	1	-1	
47		BHANPURA-RANPUR	S/C	21	34	0.0	0.3	-0.3	
48		BHANPURA-MORAK	S/C	14	61	0.0	0.5	-0.5	
49		MEHGAON-AURAIYA	S/C	54	3	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	18	30	0.0	0.2	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.6	167.5	-123.9
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	195	522	0.0	6.5	-6.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	991	1183	0.0	5.1	-5.1	
55		WARDHA-NIZAMABAD	D/C	0	1846	0.0	23.6	-23.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	636	0	7.6	0.0	7.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	44	0.0	0.8	-0.8	
59		XELDEM-AMBEWADI	S/C	1	26	0.5	0.0	0.5	
						WR-SR	8.1	35.9	-27.9
TRANSNATIONAL EXCHANGE									
60		BHUTAN						19.3	
61		NEPAL						-1.4	
62		BANGLADESH						-23.3	