



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: 02nd 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., डोंगतेिह, 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 02.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd Sep 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

3-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 2000 hrs; from RLDCs)	44806	43295	37446	20317	2692	148556
Peak Shortage (MW)	911	0	0	0	92	1003
Energy Met (MU)	919	956	836	389	47	3147
Hydro Gen (MU)	234	97	149	131	27	637
Wind Gen (MU)	13	37	11	-----	-----	61
Solar Gen (MU)*	29.07	21.7	71.67	2.16	0.03	125
Energy Shortage (MU)	9.0	0.0	0.0	0.0	1.0	10.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45120 19:20	44258 19:15	38869 18:51	20735 22:42	2699 18:12	150500 19:18

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	0.027	0.00	0.95	1.49	2.44	76.39	21.17

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	5852	0	130.3	71.7	-0.7	86	0.0	
	Haryana	6900	0	145.3	107.9	0.9	180	0.0	
	Rajasthan	8702	0	187.7	60.7	-0.1	507	0.0	
	Delhi	3831	0	79.5	63.9	-0.1	145	0.0	
	UP	14788	340	281.4	129.7	0.9	546	0.0	
	Uttarakhand	1437	0	30.1	10.1	-0.2	115	0.0	
	HP	1280	0	23.9	3.5	0.7	95	0.0	
	J&K	2284	571	37.3	23.9	-2.3	250	9.0	
WR	Chandigarh	180	0	3.4	3.6	-0.2	23	0.0	
	Chhattisgarh	3635	0	80.7	37.6	0.1	366	0.0	
	Gujarat	12538	0	275.0	57.3	2.4	528	0.0	
	MP	7603	0	154.3	63.7	-4.8	783	0.0	
	Maharashtra	18370	0	405.2	172.4	1.2	453	0.0	
	Goa	541	0	12.1	10.7	0.8	55	0.0	
	DD	289	0	6.3	6.0	0.3	34	0.0	
	DNH	750	0	16.9	16.8	0.1	66	0.0	
SR	Essar steel	320	0	5.8	5.7	0.1	315	0.0	
	Andhra Pradesh	7831	0	167.7	78.0	-0.7	357	0.0	
	Telangana	7706	0	166.7	33.4	-1.4	243	0.0	
	Karnataka	7933	0	157.0	38.1	0.1	496	0.0	
	Kerala	3404	0	67.4	42.8	1.6	206	0.0	
	Tamil Nadu	12564	0	270.5	129.4	0.7	495	0.0	
	Pondy	334	0	7.1	7.4	-0.3	36	0.0	
	ER	Bihar	4650	0	76.2	78.4	-2.7	300	0.0
DVC		2957	0	60.2	-3.1	2.5	350	0.0	
Jharkhand		1252	0	23.3	14.4	-0.1	50	0.0	
Odisha		3657	0	78.4	9.2	5.5	430	0.0	
West Bengal		8036	0	149.8	43.9	-0.3	400	0.0	
Sikkim		74	0	0.8	1.2	-0.5	0	0.0	
NER		Arunachal Pradesh	121	3	2.1	2.5	-0.5	59	0.0
		Assam	1682	68	27.9	21.7	0.7	159	0.9
	Manipur	147	4	2.4	2.2	0.2	18	0.0	
	Meghalaya	327	5	6.2	0.7	-0.2	44	0.0	
	Mizoram	92	2	1.8	0.4	1.0	10	0.0	
	Nagaland	114	3	2.1	2.2	-0.3	9	0.0	
	Tripura	283	14	4.3	4.1	-0.9	30	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.1	-1.1	-22.5
Day peak (MW)	1827.2	-182.0	-1059.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	188.1	-198.5	70.8	-52.1	-8.2	0.0
Actual(MU)	178.4	-192.8	75.3	-50.1	-9.9	0.9
O/D/U/D(MU)	-9.7	5.7	4.5	2.1	-1.8	0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5094	17025	9132	3780	347	35378
State Sector	10866	21382	8703	6110	11	47072
Total	15960	38406	17835	9890	358	82449

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	408	875	386	325	7	2001
Lignite	15	13	46	0	0	74
Hydro	234	97	149	131	27	637
Nuclear	23	31	59	0	0	112
Gas, Naptha & Diesel	25	59	16	0	27	127
RES (Wind, Solar, Biomass & Others)	55	65	114	2	0	236
Total	759	1140	769	458	61	3187

Share of RES in total generation (%)	7.19	5.74	14.79	0.48	0.05	7.41
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.01	16.91	41.78	29.06	44.12	30.92

H. Diversity Factor

All India Demand Diversity Factor	1.008
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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 :	3-Oct-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	309	64	2.8	0.0	2.8	
2		SASARAM-FATEHPUR	S/C	137	95	1.0	0.0	1.0	
3		GAYA-BALIA	S/C	29	180	0.0	2.2	-2.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	1201	0.0	26.8	-26.8	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	234	0.0	4.1	-4.1	
7		PUSAULI -ALLAHABAD	S/C	26	73	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	24	780	0.0	8.9	-8.9	
9		PATNA-BALIA	Q/C	0	644	0.0	9.6	-9.6	
10		BIHARSHARIFF-BALIA	D/C	86	141	0.0	1.2	-1.2	
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	247	16	3.2	0.0	3.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	2	121	0.0	2.0	-2.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		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	7.5	60.4	-52.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1601	0	27.7	0.0	27.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	755	0	11.4	0.0	11.4	
20		JHARSUGUDA-DURG	D/C	214	11	3.2	0.0	3.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	212	207	0.6	0.0	0.6	
22		RANCHI-SIPAT	D/C	235	0	4.1	0.0	4.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	91	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	84	0	1.3	0.0	1.3	
						ER-WR	48.3	0.9	47.4
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1947.0	0.0	39.7	-39.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	455.0	0.0	10.8	0.0	10.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1500.0	0.0	36.1	-36.1	
28	400 kV	TALCHER-I/C	D/C	0.0	752.0	0.0	14.2	-14.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	10.8	75.8	-65.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	535	0.0	5.4	-5	
31		ALIPURDUAR-BONGAIGAON	D/C	187	232	1.5	0.0	2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	107	0.0	1.1	-1	
						ER-NER	1.5	6.5	-5.0
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.2	-16.2	
						NER-NR	0.0	16.2	-16.2
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	700	0.0	19.9	-19.9	
35		V'CHAL B/B	D/C	452	0	10.8	0.0	10.8	
36		APL -MHG	D/C	0	1365	0.0	28.4	-28.4	
37	765 kV	GWALIOR-AGRA	D/C	0	1569	0.0	26.2	-26.2	
38		PHAGI-GWALIOR	D/C	0	922	0.0	16.1	-16.1	
39		JABALPUR-ORAI	D/C	0	570	0.0	18.8	-18.8	
40		GWALIOR-ORAI	S/C	351	0	5.4	0.0	5.4	
41		SATNA-ORAI	S/C	0	1214	0.0	25.3	-25.3	
42		CHITTORGARH-BANASKANTHA	D/C	0	785	0.0	10.6	-10.6	
43		ZERDA-KANKROLI	S/C	55	116	0.1	0.8	-0.6	
44	400 kV	ZERDA -BHINMAL	S/C	80	222	0.2	1.1	-0.9	
45		V'CHAL -RIHAND	S/C	971	0	22.5	0.0	22.5	
46	220 kV	RAPP-SHUJALPUR	D/C	0	271	0	3	-3	
47		BHANPURA-RANPUR	S/C	37	50	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	64	0.0	1.0	-1.0	
49		MEHGAON-AURAIYA	S/C	69	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	43	5	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	40.4	151.7	-111.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	211	0.0	4.9	-4.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	343	955	0.3	11.6	-11.4	
55		WARDHA-NIZAMABAD	D/C	0	1583	0.0	30.0	-30.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	755	0	13.1	0.0	13.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	59	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7	
						WR-SR	14.1	47.7	-33.6
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.1	
61		NEPAL						-1.1	
62		BANGLADESH						-22.5	