



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: 02st 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 01.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-अक्टूबर-019 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 01st Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

2-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)	46345	43786	39193	19667	2532	151523
Peak Shortage (MW)	1215	0	0	0	121	1336
Energy Met (MU)	963	960	886	370	45	3223
Hydro Gen (MU)	260	101	162	132	24	679
Wind Gen (MU)	13	67	17	-----	-----	96
Solar Gen (MU)*	24.99	17.4	81.56	2.02	0.02	126
Energy Shortage (MU)	7.7	0.6	0.0	0.0	5.2	13.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47292 19:02	44487 18:57	39944 18:43	19424 18:52	2625 20:14	153445 18:58

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	0.36	4.16	4.51	79.54	15.95

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	6087	0	131.5	72.8	-0.7	153	0.0
	Haryana	7457	0	157.0	116.8	1.0	240	0.0
	Rajasthan	8998	0	199.9	72.8	-3.1	296	0.0
	Delhi	4424	0	92.8	76.7	-0.7	149	0.0
	UP	14929	280	284.2	146.8	-1.8	697	0.0
	Uttarakhand	1760	0	35.3	13.7	0.7	158	0.0
	HP	1406	0	26.5	5.6	-0.8	75	0.1
	J&K	2100	525	31.7	18.7	-3.0	128	7.6
WR	Chandigarh	209	0	3.9	4.5	-0.6	19	0.0
	Chhattisgarh	3500	36	79.0	32.6	2.0	626	0.6
	Gujarat	12554	0	268.3	53.4	1.8	526	0.0
	MP	7701	0	159.6	68.7	-4.1	638	0.0
	Maharashtra	18787	0	409.7	166.2	1.7	567	0.0
	Goa	541	0	12.1	11.5	0.0	53	0.0
	DD	307	0	7.0	6.7	0.3	35	0.0
	DNH	799	0	17.8	17.9	-0.1	43	0.0
SR	Essar steel	355	0	6.5	5.9	0.6	313	0.0
	Andhra Pradesh	7988	0	168.8	77.5	1.7	499	0.0
	Telangana	8121	0	173.4	36.7	-1.4	364	0.0
	Karnataka	9090	0	176.0	42.1	0.8	496	0.0
	Kerala	3456	0	68.9	41.8	1.6	247	0.0
	Tamil Nadu	13492	0	290.8	140.7	0.7	481	0.0
	Pondy	379	0	7.9	8.0	0.0	55	0.0
	Bihar	4178	0	69.9	70.9	-1.5	350	0.0
ER	DVC	2815	0	58.6	-8.3	4.1	400	0.0
	Jharkhand	1093	0	21.8	13.7	-0.8	50	0.0
	Odisha	3862	0	78.8	13.2	8.4	600	0.0
	West Bengal	8105	0	140.1	45.4	-2.9	400	0.0
	Sikkim	94	0	1.1	1.3	-0.2	15	0.0
NER	Arunachal Pradesh	113	2	2.1	2.1	-0.2	29	0.0
	Assam	1560	135	25.8	19.2	0.4	121	5.0
	Manipur	153	1	2.4	2.3	0.1	24	0.0
	Meghalaya	337	0	6.2	1.3	-0.2	32	0.0
	Mizoram	95	2	1.7	0.3	1.0	13	0.0
	Nagaland	132	2	2.1	2.1	-0.4	8	0.0
	Tripura	256	3	4.3	4.0	-0.6	66	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.4	-0.9	-21.5
Day peak (MW)	1843.6	-141.4	-1054.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	212.3	-225.8	76.1	-55.4	-7.6	-0.3
Actual(MU)	201.1	-235.5	86.1	-46.7	-10.2	-5.1
O/D/U/D(MU)	-11.2	-9.7	10.0	8.7	-2.6	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5534	16230	9122	4305	382	35573
State Sector	12436	24194	8703	7120	11	52464
Total	17970	40424	17825	11425	393	88037

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	403	891	395	309	8	2006
Lignite	19	13	42	0	0	74
Hydro	260	101	162	132	24	679
Nuclear	23	30	60	0	0	113
Gas, Naptha & Diesel	29	60	16	0	27	132
RES (Wind, Solar, Biomass & Others)	52	94	132	2	0	280
Total	785	1188	807	443	59	3282

Share of RES in total generation (%)	6.57	7.91	16.35	0.47	0.03	8.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.53	18.93	43.87	30.28	40.57	32.63

H. Diversity Factor

All India Demand Diversity Factor	1.002
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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 : 2-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	269	38	1.0	0.0	1.0
2		SASARAM-FATEHPUR	S/C	142	70	1.0	0.0	1.0
3		GAYA-BALIA	S/C	0	188	0.0	3.0	-3.0
4		ALIPURDUAR-AGRA	-	0	1354	0.0	31.1	-31.1
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	186	0.0	3.7	-3.7
7		PUSAULI -ALLAHABAD	S/C	0	70	0.0	0.9	-0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	0	607	0.0	10.0	-10.0
9		PATNA-BALIA	Q/C	0	577	0.0	9.0	-9.0
10		BIHARSHARIFF-BALIA	D/C	82	155	0.0	1.8	-1.8
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	264	0	3.0	0.0	3.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.3	-2.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	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						5.5	66.5	-61.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1577	0	31.4	0.0	31.4
19		NEW RANCHI-DHARAMAJGARH	D/C	891	0	14.6	0.0	14.6
20		JHARSUGUDA-DURG	D/C	239	0	4.1	0.0	4.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	224	97	1.7	0.0	1.7
22		RANCHI-SIPAT	D/C	307	0	5.0	0.0	5.0
23	220 kV	BUDHIPADAR-RAIGARH	S/C	7	80	0.0	0.8	-0.8
24		BUDHIPADAR-KORBA	D/C	144	0	2.2	0.0	2.2
ER-WR						59.0	0.8	58.2
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1956.0	0.0	40.7	-40.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	457.0	0.0	10.8	0.0	10.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1490.0	0.0	33.3	-33.3
28	400 kV	TALCHER-I/C	D/C	0.0	741.0	0.0	12.0	-12.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						10.8	74.0	-63.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	499	0.0	6.5	-6
31		ALIPURDUAR-BONGAIGAON	D/C	203	176	1.9	0.0	2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	107	0.0	1.2	-1
ER-NER						1.9	7.7	-5.8
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	743	0.0	16.9	-16.9
NER-NR						0.0	16.9	-16.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1401	0.0	20.0	-20.0
35		V'CHAL B/B	D/C	452	0	12.0	0.0	12.0
36		APL -MHG	D/C	0	1173	0.0	23.3	-23.3
37	765 kV	GWALIOR-AGRA	D/C	0	1926	0.0	34.3	-34.3
38		PHAGI-GWALIOR	D/C	0	970	0.0	18.1	-18.1
39		JABALPUR-ORAI	D/C	0	580	0.0	22.7	-22.7
40		GWALIOR-ORAI	S/C	294	0	5.5	0.0	5.5
41		SATNA-ORAI	S/C	0	1250	0.0	28.2	-28.2
42		CHITTORGARH-BANASKANTHA	D/C	0	931	0.0	15.6	-15.6
43		ZERDA-KANKROLI	S/C	23	111	0.0	1.4	-1.4
44	400 kV	ZERDA -BHINMAL	S/C	156	194	0.2	2.2	-2.0
45		V'CHAL -RIHAND	S/C	970	0	22.5	0.0	22.5
46		RAPP-SHUJALPUR	D/C	0	324	0	4	-4
47	220 kV	BHANPURA-RANPUR	S/C	22	41	0.0	0.4	-0.4
48		BHANPURA-MORAK	S/C	0	92	0.0	1.2	-1.2
49		MEHGAON-AURAIYA	S/C	77	0	0.9	0.0	0.9
50		MALANPUR-AURAIYA	S/C	43	14	0.3	0.0	0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.4	171.7	-130.2
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	0	1307	0.0	17.9	-17.9
55		WARDHA-NIZAMABAD	D/C	0	1857	0.0	34.1	-34.1
56	400 kV	KOLHAPUR-KUDGI	D/C	801	0	12.3	0.0	12.3
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	3	70	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	1	41	0.7	0.0	0.7
WR-SR						13.0	58.1	-45.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						42.4
61		NEPAL						-0.9
62		BANGLADESH						-21.5