



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: 15thSep 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 14.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-सितंबर-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 Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

15-Sep-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)	59141	43494	39879	22414	2691	167619
Peak Shortage (MW)	1388	0	0	0	186	1574
Energy Met (MU)	1357	974	935	461	51	3778
Hydro Gen (MU)	332	104	171	143	24	773
Wind Gen (MU)	22	96	95	-----	-----	214
Solar Gen (MU)*	26.19	8.35	73.62	1.98	0.03	110
Energy Shortage (MU)	13.8	0.0	0.0	0.0	4.8	18.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60818 00:13	45558 19:23	41066 18:52	22516 20:48	2837 18:13	171046 19:23

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	0.023	0.00	0.00	1.56	1.56	79.50	18.94

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	11491	0	259.0	137.0	-1.6	33	0.0
	Haryana	9804	0	218.5	156.2	-0.2	132	0.0
	Rajasthan	10687	0	243.3	76.5	-1.1	416	0.0
	Delhi	6157	0	125.3	102.5	0.4	221	0.0
	UP	18817	0	390.4	167.5	0.0	575	3.7
	Uttarakhand	1905	0	41.3	14.5	-0.5	47	0.0
	HP	1441	0	31.0	3.0	-0.6	30	0.0
	J&K	2100	525	42.2	20.4	-1.2	166	10.1
WR	Chandigarh	284	0	6.0	6.5	-0.5	0	0.0
	Chhattisgarh	3987	0	89.1	31.2	1.5	272	0.0
	Gujarat	12884	0	287.7	80.4	1.5	629	0.0
	MP	7696	0	162.8	64.3	-2.1	363	0.0
	Maharashtra	17718	0	390.7	130.1	0.8	468	0.0
	Goa	541	0	11.8	11.1	0.2	49	0.0
	DD	323	0	7.3	6.7	0.5	36	0.0
	DNH	787	0	18.4	18.5	-0.1	33	0.0
SR	Essar steel	342	0	5.8	5.6	0.2	318	0.0
	Andhra Pradesh	8401	0	180.5	40.5	1.2	806	0.0
	Telangana	9397	0	199.8	45.6	-0.5	578	0.0
	Karnataka	9981	0	190.9	42.7	0.7	589	0.0
	Kerala	3273	0	67.2	43.4	1.8	205	0.0
	Tamil Nadu	13237	0	288.8	132.1	0.6	604	0.0
	Pondy	371	-1	7.4	7.6	-0.2	49	0.0
	Bihar	5372	0	104.2	100.7	-0.2	300	0.0
ER	DVC	2922	0	63.5	-19.3	0.8	200	0.0
	Jharkhand	1232	0	25.8	17.2	-0.9	50	0.0
	Odisha	4934	0	100.1	23.3	2.4	473	0.0
	West Bengal	8531	0	166.7	66.0	0.1	350	0.0
	Sikkim	95	0	1.0	1.4	-0.5	10	0.0
	Arunachal Pradesh	118	1	2.2	2.5	-0.4	45	0.0
	Assam	1750	147	31.5	26.6	1.1	146	4.7
	Manipur	166	1	2.4	2.3	0.1	28	0.0
NER	Meghalaya	327	0	5.7	1.0	-0.1	43	0.0
	Mizoram	92	3	1.8	0.8	0.5	64	0.0
	Nagaland	137	1	2.5	2.2	-0.1	41	0.0
	Tripura	300	2	4.8	4.4	0.5	105	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.4	-4.6	-21.9
Day peak (MW)	1810.9	-193.7	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	305.6	-241.6	14.7	-69.6	-0.1	8.9
Actual(MU)	294.5	-262.8	35.3	-65.1	1.6	3.6
O/D/U/D(MU)	-11.0	-21.2	20.6	4.5	1.8	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4826	15900	8312	2360	340	31737
State Sector	5090	19617	9150	6140	50	40046
Total	9916	35516	17462	8500	389	71783

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	615	923	409	389	6	2342
Lignite	18	10	46	0	0	74
Hydro	332	104	171	143	24	773
Nuclear	27	29	60	0	0	117
Gas, Naptha & Diesel	41	54	16	0	25	135
RES (Wind, Solar, Biomass & Others)	64	113	208	2	0	387
Total	1096	1232	910	535	55	3827

Share of RES in total generation (%)	5.83	9.14	22.90	0.38	0.05	10.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.56	19.93	48.30	27.21	43.13	33.36

H. Diversity Factor

All India Demand Diversity Factor	1.010
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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 : 15-Sep-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	19	277	0.0	3.8	-3.8	
2		SASARAM-FATEHPUR	S/C	188	102	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	322	0.0	6.0	-6.0	
4		ALIPURDUAR-AGRA	-	0	1401	0.0	32.3	-32.3	
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	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	62	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	808	0.0	10.1	-10.1	
9		PATNA-BALIA	Q/C	0	865	0.0	15.9	-15.9	
10		BIHARSHARIFF-BALIA	D/C	30	216	0.0	3.0	-3.0	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	183	81	1.6	0.0	1.6	
13		PUSAULI-SAHUPURI	S/C	2	204	0.0	3.5	-3.5	
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						3.4	84.0	-80.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1346	0	20.0	0.0	20.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	906	134	11.4	0.0	11.4	
20		JHARSUGUDA-DURG	D/C	324	47	3.3	0.0	3.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	378	64	5.0	0.0	5.0	
22		RANCHI-SIPAT	D/C	341	42	4.7	0.0	4.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	108	0.0	1.6	-1.6	
24		BUDHIPADAR-KORBA	D/C	108	3	1.3	0.0	1.3	
ER-WR						45.7	1.6	44.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1529.0	0.0	22.1	-22.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1004.0	0.0	20.7	-20.7	
28	400 kV	TALCHER-I/C	D/C	306.0	258.0	0.0	1.9	-1.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	42.8	-35.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	746	0.0	11.0	-11	
31		ALIPURDUAR-BONGAIGAON	D/C	71	287	0.0	1.6	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	158	0.0	1.9	-2	
ER-NER						0.0	14.5	-14.5	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	15.6	-15.6	
NER-NR						0.0	15.6	-15.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2502	0.0	39.6	-39.6	
35		V'CHAL B/B	D/C	452	102	0.0	4.5	-4.5	
36		APL -MHG	D/C	0	2108	0.0	39.4	-39.4	
37	765 kV	GWALIOR-AGRA	D/C	0	2240	0.0	40.3	-40.3	
38		PHAGI-GWALIOR	D/C	0	1263	0.0	23.8	-23.8	
39		JABALPUR-ORAI	D/C	0	854	0.0	30.0	-30.0	
40		GWALIOR-ORAI	S/C	294	0	5.1	0.0	5.1	
41		SATNA-ORAI	S/C	0	1465	0.0	30.2	-30.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	1244	0.0	15.4	-15.4	
43	400 kV	ZERDA-KANKROLI	S/C	70	185	0.2	1.2	-0.9	
44		ZERDA -BHINMAL	S/C	45	248	0.1	1.8	-1.8	
45		V'CHAL -RIHAND	S/C	984	0	22.8	0.0	22.8	
46	220 kV	RAPP-SHUJALPUR	D/C	0	417	0	3	-3	
47		BHANPURA-RANPUR	S/C	7	58	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	97	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	64	20	0.4	0.1	0.3	
50		MALANPUR-AURAIYA	S/C	26	50	0.1	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						28.6	231.5	-202.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	214	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	713	1121	4.2	4.5	-0.3	
55		WARDHA-NIZAMABAD	D/C	0	1512	0.0	20.2	-20.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	844	0	11.7	0.0	11.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	66	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	38	0.7	0.0	0.7	
WR-SR						16.6	30.8	-14.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						41.4	
61		NEPAL						-4.6	
62		BANGLADESH						-21.9	