



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: 14thSep 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 13.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

14-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)	60107	43067	40188	22434	2667	168463
Peak Shortage (MW)	1680	0	0	0	153	1833
Energy Met (MU)	1378	957	941	450	51	3777
Hydro Gen (MU)	345	106	171	144	24	790
Wind Gen (MU)	36	97	105	-----	-----	238
Solar Gen (MU)*	24.62	9.99	73.47	1.97	0.02	110
Energy Shortage (MU)	12.1	0.0	0.0	0.0	5.2	17.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61393 22:35	45049 19:18	41938 09:45	22458 19:40	2688 18:46	170482 19:13

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	0.029	0.00	0.06	4.10	4.16	76.15	19.70

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	11188	0	259.7	131.4	-1.1	109	0.0
	Haryana	10294	0	224.4	164.7	0.5	152	0.0
	Rajasthan	10937	0	247.4	68.2	-1.4	499	0.0
	Delhi	6334	0	132.6	110.6	-0.6	173	0.0
	UP	18727	0	393.0	174.2	-1.4	532	2.2
	Uttarakhand	1981	0	42.9	14.5	0.6	159	0.0
	HP	1475	0	30.6	2.3	-0.4	70	0.0
	J&K	2120	530	41.3	19.5	-1.2	148	9.9
WR	Chandigarh	326	0	6.4	7.0	-0.6	3	0.0
	Chhattisgarh	3869	0	85.4	27.7	0.2	168	0.0
	Gujarat	12930	0	282.3	69.9	2.6	570	0.0
	MP	7696	0	162.6	67.0	-2.0	238	0.0
	Maharashtra	17701	0	383.5	124.4	-0.1	351	0.0
	Goa	541	0	11.9	11.1	0.2	107	0.0
	DD	330	0	7.4	7.0	0.4	172	0.0
	DNH	783	0	18.4	18.5	-0.1	119	0.0
SR	Essar steel	310	0	5.5	5.6	-0.1	270	0.0
	Andhra Pradesh	8230	0	184.5	27.9	0.1	420	0.0
	Telangana	9431	0	199.1	52.1	-0.8	578	0.0
	Karnataka	10212	0	193.9	39.8	0.3	682	0.0
	Kerala	3180	0	65.2	45.1	1.9	274	0.0
	Tamil Nadu	13262	0	291.4	138.9	1.2	798	0.0
	Pondy	370	0	7.3	7.6	-0.3	36	0.0
	ER	Bihar	5490	0	102.7	100.5	-1.1	100
DVC		2909	0	61.3	-21.6	0.0	200	0.0
Jharkhand		1274	0	24.9	16.6	-1.0	50	0.0
Odisha		4787	0	98.9	23.8	2.4	473	0.0
West Bengal		8582	0	160.9	62.0	-0.7	250	0.0
NER	Sikkim	95	0	0.9	1.3	-0.4	20	0.0
	Arunachal Pradesh	116	1	2.2	2.9	-0.6	11	0.0
	Assam	1719	133	32.3	27.0	2.0	148	5.1
	Manipur	163	2	2.5	2.3	0.2	32	0.0
	Meghalaya	325	0	5.6	1.1	-0.2	42	0.0
	Mizoram	76	1	1.2	0.7	0.1	59	0.0
	Nagaland	123	2	2.3	2.4	-0.5	40	0.0
	Tripura	302	3	4.7	4.9	-0.1	72	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.3	-5.5	-23.9
Day peak (MW)	1801.0	-366.9	-1083.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	285.4	-237.5	14.8	-66.6	8.2	4.3
Actual(MU)	286.9	-267.3	27.0	-53.9	8.3	1.1
O/D/U/D(MU)	1.5	-29.9	12.3	12.7	0.2	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3726	15770	7812	2360	590	30257
State Sector	5910	20380	9150	5870	50	41359
Total	9636	36149	16962	8230	639	71616

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	616	911	411	379	5	2322
Lignite	18	10	43	0	0	71
Hydro	345	106	171	144	24	790
Nuclear	27	30	60	0	0	118
Gas, Naptha & Diesel	41	52	16	0	20	129
RES (Wind, Solar, Biomass & Others)	76	116	216	2	0	410
Total	1123	1225	918	525	48	3839

Share of RES in total generation (%)	6.73	9.45	23.56	0.38	0.04	10.67
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.91	20.60	48.74	27.82	48.84	34.32

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 14-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	88	373	0.0	2.7	-2.7	
2		SASARAM-FATEHPUR	S/C	311	85	2.6	0.0	2.6	
3		GAYA-BALIA	S/C	0	356	0.0	5.4	-5.4	
4		ALIPURDUAR-AGRA	-	0	1401	0.0	33.0	-33.0	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	202	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	78	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	45	536	0.0	6.9	-6.9	
9		PATNA-BALIA	Q/C	0	878	0.0	13.9	-13.9	
10		BIHARSHARIFF-BALIA	D/C	0	212	0.0	3.0	-3.0	
11		MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	211	51	2.2	0.0	2.2	
13		PUSAULI-SAHUPURI	S/C	0	189	0.0	3.6	-3.6	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
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						5.1	77.9	-72.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1068	0	17.7	0.0	17.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	924	0	13.0	0.0	13.0	
20		JHARSUGUDA-DURG	D/C	246	0	3.5	0.0	3.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	381	0	5.6	0.0	5.6	
22		RANCHI-SIPAT	D/C	335	0	6.4	0.0	6.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	122	0.0	1.9	-1.9	
24		BUDHIPADAR-KORBA	D/C	141	0	1.9	0.0	1.9	
ER-WR						48.1	1.9	46.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1611.0	0.0	22.5	-22.5	
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	993.0	0.0	14.9	-14.9	
28	400 kV	TALCHER-I/C	D/C	364.0	243.0	3.8	0.0	3.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	37.4	-30.0	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	756	0.0	13.0	-13	
31		ALIPURDUAR-BONGAIGAON	D/C	46	324	0.0	3.3	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	160	0.0	2.3	-2	
ER-NER						0.0	18.6	-18.6	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	14.1	-14.1	
NER-NR						0.0	14.1	-14.1	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2503	0.0	44.1	-44.1	
35		V'CHAL B/B	D/C	0	251	0.0	4.0	-4.0	
36		APL -MHG	D/C	0	2108	0.0	44.9	-44.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2085	0.0	40.1	-40.1	
38		PHAGI-GWALIOR	D/C	0	1154	0.0	19.4	-19.4	
39		JABALPUR-ORAI	D/C	0	822	0.0	29.7	-29.7	
40		GWALIOR-ORAI	S/C	239	0	4.4	0.0	4.4	
41		SATNA-ORAI	S/C	0	1342	0.0	29.2	-29.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	928	0.0	14.5	-14.5	
43	400 kV	ZERDA-KANKROLI	S/C	83	89	0.3	0.7	-0.4	
44		ZERDA -BHINMAL	S/C	234	87	1.0	0.2	0.8	
45		V'CHAL -RIHAND	S/C	983	0	22.9	0.0	22.9	
46	220 kV	RAPP-SHUJALPUR	D/C	0	314	0	2	-2	
47		BHANPURA-RANPUR	S/C	22	30	0.1	0.2	-0.1	
48		BHANPURA-MORAK	S/C	0	77	0.0	1.0	-1.0	
49		MEHGAON-AURAIYA	S/C	60	12	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	21	40	0.0	0.5	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						29.1	230.4	-201.3	
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	860	1237	3.7	4.5	-0.8	
55		WARDHA-NIZAMABAD	D/C	0	1847	0.0	23.7	-23.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	839	0	11.4	0.0	11.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	62	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7	
WR-SR						15.8	34.3	-18.5	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						41.3	
61		NEPAL						-5.5	
62		BANGLADESH						-23.9	