



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: 18th Sep 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., डोंगतेह, 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 17.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

18-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)	58759	44408	39308	21679	2759	166913
Peak Shortage (MW)	2346	0	0	0	115	2461
Energy Met (MU)	1328	1024	888	459	50	3749
Hydro Gen (MU)	322	116	149	135	27	750
Wind Gen (MU)	26	52	95	-----	-----	173
Solar Gen (MU)*	30.96	17.6	48.23	1.81	0.04	99
Energy Shortage (MU)	9.8	0.0	0.0	0.0	1.2	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60627 22:31	46377 19:05	40389 18:52	21828 00:00	2853 18:37	168180 19:11

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	0.025	0.00	0.00	2.63	2.63	75.69	21.68

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	10776	0	239.6	132.5	-1.0	102	0.0
	Haryana	9614	0	209.7	149.8	0.1	184	0.0
	Rajasthan	10977	0	245.4	72.3	-1.7	484	0.0
	Delhi	6027	0	125.1	102.3	-1.1	210	0.0
	UP	18980	0	393.2	180.8	-0.9	515	0.0
	Uttarakhand	1841	0	38.2	12.7	-0.6	124	0.0
	HP	1394	0	30.0	3.8	0.1	94	0.0
	J&K	2226	556	41.2	19.1	-1.0	268	9.8
WR	Chandigarh	297	0	5.9	6.7	-0.8	-1	0.0
	Chhattisgarh	3970	0	89.8	36.1	0.5	187	0.0
	Gujarat	13896	0	311.6	91.4	2.9	504	0.0
	MP	7743	0	167.7	69.0	-3.9	174	0.0
	Maharashtra	18793	0	412.2	157.3	-0.3	368	0.0
	Goa	541	0	11.3	10.8	-0.1	44	0.0
	DD	317	0	7.2	6.7	0.4	50	0.0
	DNH	771	0	18.1	18.2	-0.1	209	0.0
SR	Essar steel	299	0	5.7	5.6	0.1	438	0.0
	Andhra Pradesh	7360	0	162.7	42.5	1.1	1294	0.0
	Telangana	9526	0	194.5	56.3	-1.3	578	0.0
	Karnataka	9084	0	179.8	43.8	1.0	573	0.0
	Kerala	3455	0	69.2	46.3	1.8	206	0.0
	Tamil Nadu	12874	0	274.6	110.4	-1.0	474	0.0
	Pondy	330	0	6.9	7.3	-0.4	55	0.0
	Bihar	5125	0	93.4	93.4	-2.5	50	0.0
ER	DVC	2820	0	61.8	-21.7	0.4	160	0.0
	Jharkhand	1313	0	25.1	16.7	-0.9	50	0.0
	Odisha	4842	0	103.0	24.8	7.2	473	0.0
	West Bengal	8463	0	174.9	73.7	0.3	300	0.0
	Sikkim	90	0	1.1	1.2	-0.1	10	0.0
NER	Arunachal Pradesh	130	1	2.1	3.3	-1.2	13	0.0
	Assam	1794	110	31.4	26.6	0.8	146	1.0
	Manipur	144	2	2.4	2.2	0.2	14	0.0
	Meghalaya	313	0	5.3	0.7	-0.2	51	0.0
	Mizoram	69	1	1.6	0.3	1.1	39	0.0
	Nagaland	129	1	2.1	2.3	-0.5	37	0.0
	Tripura	295	1	5.3	5.7	0.1	65	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.1	-4.6	-25.9
Day peak (MW)	1846.9	-215.0	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	295.8	-241.3	23.1	-64.4	-6.6	6.6
Actual(MU)	298.8	-239.4	22.2	-77.2	-7.7	-3.2
O/D/U/D(MU)	3.1	2.0	-0.9	-12.8	-1.2	-9.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3826	15620	8222	1700	153	29521
State Sector	6570	20828	9220	6310	50	42977
Total	10396	36447	17442	8010	203	72498

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	573	966	426	418	11	2394
Lignite	19	12	42	0	0	73
Hydro	322	116	149	135	27	750
Nuclear	27	20	61	0	0	107
Gas, Naptha & Diesel	41	65	16	0	25	147
RES (Wind, Solar, Biomass & Others)	71	76	180	2	0	328
Total	1054	1254	873	555	63	3800

Share of RES in total generation (%)	6.74	6.02	20.61	0.33	0.06	8.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.90	16.88	44.62	24.72	42.54	31.21

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 : 18-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	0	518	0.0	6.4	-6.4	
2		SASARAM-FATEHPUR	S/C	108	170	0.0	0.5	-0.5	
3		GAYA-BALIA	S/C	0	385	0.0	7.5	-7.5	
4		ALIPURDUAR-AGRA	-	0	1401	0.0	34.0	-34.0	
5		PUSAULI B/B	S/C	0	247	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	838	0.0	14.6	-14.6	
9		PATNA-BALIA	Q/C	0	1060	0.0	22.3	-22.3	
10		BIHARSHARIFF-BALIA	D/C	0	352	0.0	6.5	-6.5	
11		MOTIHARI-GORAKHPUR	D/C	0	8	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	66	148	0.0	0.9	-0.9	
13		PUSAULI-SAHUPURI	S/C	0	183	0.0	2.9	-2.9	
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						0.4	105.2	-104.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1233	0	18.7	0.0	18.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	700	0	9.7	0.0	9.7	
20		JHARSUGUDA-DURG	D/C	271	11	3.0	0.0	3.0	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	255	70	2.9	0.0	2.9	
22		RANCHI-SIPAT	D/C	263	0	3.4	0.0	3.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	2.0	-2.0	
24		BUDHIPADAR-KORBA	D/C	81	0	1.0	0.0	1.0	
ER-WR						38.8	2.0	36.8	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1486.0	0.0	25.0	-25.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	310.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	491.0	0.0	12.1	-12.1	
28	400 kV	TALCHER-I/C	D/C	360.0	0.0	7.2	0.0	7.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	37.1	-29.7	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	639	0.0	7.2	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	298	148	3.6	0.0	4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	117	0.0	1.1	-1	
ER-NER						3.6	8.2	-4.6	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	1	503	0.0	14.2	-14.2	
NER-NR						0.0	14.2	-14.2	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	36.2	-36.2	
35		V'CHAL B/B	D/C	452	203	2.1	3.4	-1.3	
36		APL -MHG	D/C	0	1739	0.0	38.9	-38.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2116	0.0	38.4	-38.4	
38		PHAGI-GWALIOR	D/C	0	1241	0.0	20.7	-20.7	
39		JABALPUR-ORAI	D/C	0	847	0.0	29.4	-29.4	
40		GWALIOR-ORAI	S/C	269	0	5.1	0.0	5.1	
41		SATNA-ORAI	S/C	0	1426	0.0	29.5	-29.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	969	0.0	13.8	-13.8	
43	400 kV	ZERDA-KANKROLI	S/C	72	113	0.3	0.8	-0.5	
44		ZERDA -BHINMAL	S/C	153	212	0.7	1.1	-0.4	
45		V'CHAL -RIHAND	S/C	975	0	22.7	0.0	22.7	
46	220 kV	RAPP-SHUJALPUR	D/C	39	385	0	4	-4	
47		BHANPURA-RANPUR	S/C	16	76	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	97	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	58	12	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	17	37	0.0	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						31.4	218.6	-187.2	
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	775	889	1.3	0.0	1.3	
55		WARDHA-NIZAMABAD	D/C	0	1479	0.0	22.9	-22.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	837	0	13.9	0.0	13.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	2	62	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	1	36	0.6	0.0	0.6	
WR-SR						15.8	28.8	-13.0	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.1	
61		NEPAL						-4.6	
62		BANGLADESH						-25.9	