



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: 11thSep 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 10.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

11-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)	60284	43010	41016	20605	2791	167706
Peak Shortage (MW)	1273	0	0	0	182	1455
Energy Met (MU)	1407	982	988	463	54	3893
Hydro Gen (MU)	367	109	178	137	23	814
Wind Gen (MU)	17	60	157	-----	-----	234
Solar Gen (MU)*	29.77	10.81	76.36	1.98	0.04	119
Energy Shortage (MU)	10.3	0.0	0.0	0.0	1.5	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62541 22:15	45260 19:22	44606 10:16	22068 23:37	2888 18:36	171079 19:45

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	0.032	0.00	0.64	7.37	8.01	77.91	14.09

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	11045	0	251.9	134.8	-1.1	108	0.0
	Haryana	10090	0	220.1	165.4	-1.4	101	0.0
	Rajasthan	11035	0	246.5	81.9	-2.8	245	0.0
	Delhi	6348	0	126.9	103.4	0.0	179	0.0
	UP	19965	1930	437.4	224.7	1.8	1014	0.0
	Uttarakhand	1997	0	43.3	13.9	0.9	186	0.1
	HP	1502	2	31.6	0.7	0.3	117	0.0
	J&K	2210	553	42.8	20.4	-0.6	218	10.2
WR	Chandigarh	320	0	6.4	7.2	-0.8	13	0.0
	Chhattisgarh	3816	0	83.8	25.0	0.3	548	0.0
	Gujarat	12375	0	278.2	84.6	2.9	491	0.0
	MP	8149	0	180.4	88.2	-3.2	244	0.0
	Maharashtra	18130	0	395.6	127.1	0.7	739	0.0
	Goa	541	0	11.8	10.8	0.4	75	0.0
	DD	332	0	7.4	6.9	0.6	42	0.0
	DNH	794	0	18.7	18.8	-0.1	32	0.0
SR	Essar steel	308	0	5.7	5.8	-0.1	270	0.0
	Andhra Pradesh	8672	0	186.9	29.4	0.2	791	0.0
	Telangana	9683	0	205.9	58.7	-1.0	578	0.0
	Karnataka	10466	0	191.6	32.9	-0.3	788	0.0
	Kerala	3188	0	64.5	45.6	1.4	196	0.0
	Tamil Nadu	15017	0	329.9	140.6	0.9	865	0.0
	Pondy	407	0	8.8	8.8	0.0	51	0.0
	Bihar	5701	0	103.6	101.0	-1.4	200	0.0
ER	DVC	2861	0	61.1	-26.9	-0.5	170	0.0
	Jharkhand	1000	0	23.6	14.6	-0.3	110	0.0
	Odisha	4696	0	99.2	20.6	6.8	580	0.0
	West Bengal	8560	0	173.9	66.8	3.5	420	0.0
	Sikkim	97	0	1.1	1.5	-0.4	20	0.0
NER	Arunachal Pradesh	114	1	2.3	2.8	-0.5	1	0.0
	Assam	1814	130	35.0	29.3	1.1	159	1.5
	Manipur	171	2	2.4	2.5	0.0	25	0.0
	Meghalaya	310	0	5.6	1.3	-0.3	54	0.0
	Mizoram	94	1	1.8	1.0	0.5	6	0.0
	Nagaland	132	1	2.1	2.5	-0.5	42	0.0
	Tripura	285	3	4.9	4.5	-0.3	63	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	34.2	-6.5	-25.8
Day peak (MW)	1789.9	-370.5	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	311.7	-260.0	32.6	-87.1	9.2	6.4
Actual(MU)	308.1	-262.8	32.3	-84.0	8.7	2.4
O/D/U/D(MU)	-3.6	-2.8	-0.3	3.1	-0.5	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3200	12650	8812	1350	736	26748
State Sector	7835	19943	10113	6320	50	44260
Total	11035	32592	18925	7670	786	71008

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	598	978	386	430	8	2399
Lignite	24	8	48	0	0	81
Hydro	367	109	178	137	23	814
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	44	54	14	0	20	132
RES (Wind, Solar, Biomass & Others)	63	77	273	2	0	415
Total	1124	1257	959	569	51	3959

Share of RES in total generation (%)	5.63	6.10	28.44	0.35	0.08	10.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.71	17.23	53.30	24.45	45.17	34.03

H. Diversity Factor

All India Demand Diversity Factor	1.037
-----------------------------------	-------

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 : 11-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	514	0.0	6.6	-6.6	
2		SASARAM-FATEHPUR	S/C	187	120	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	471	0.0	9.3	-9.3	
4		ALIPURDUAR-AGRA	-	0	1202	0.0	29.4	-29.4	
5		PUSAULI B/B	S/C	0	195	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	173	0.0	3.3	-3.3	
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	880	0.0	12.6	-12.6	
9		PATNA-BALIA	Q/C	0	1054	0.0	23.4	-23.4	
10		BIHARSHARIFF-BALIA	D/C	0	375	0.0	6.7	-6.7	
11		MOTIHARI-GORAKHPUR	D/C	0	19	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	70	171	0.0	1.1	-1.1	
13		PUSAULI-SAHUPURI	S/C	0	180	0.0	2.7	-2.7	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			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						1.1	101.2	-100.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1218	0	23.1	0.0	23.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1007	0	17.1	0.0	17.1	
20		JHARSUGUDA-DURG	D/C	272	0	4.3	0.0	4.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	349	0	5.5	0.0	5.5	
22		RANCHI-SIPAT	D/C	333	0	6.1	0.0	6.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	112	0.0	1.8	-1.8	
24		BUDHIPADAR-KORBA	D/C	121	0	2.2	0.0	2.2	
ER-WR						58.3	1.8	56.5	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1283.0	0.0	20.2	-20.2	
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	1488.0	0.0	30.8	-30.8	
28	400 kV	TALCHER-I/C	D/C	96.0	815.0	0.0	13.2	-13.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	51.0	-43.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	778	0.0	12.4	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	98	301	0.0	2.4	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	161	0.0	2.4	-2	
ER-NER						0.0	17.2	-17.2	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	503	0	0.0	10.6	-10.6	
NER-NR						0.0	10.6	-10.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2007	0.0	47.8	-47.8	
35		V'CHAL B/B	D/C	274	0	7.3	0.0	7.3	
36		APL -MHG	D/C	0	1922	0.0	40.2	-40.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2194	0.0	44.2	-44.2	
38		PHAGI-GWALIOR	D/C	0	1231	0.0	21.0	-21.0	
39		JABALPUR-ORAI	D/C	0	862	0.0	34.0	-34.0	
40		GWALIOR-ORAI	S/C	276	0	5.7	0.0	5.7	
41		SATNA-ORAI	S/C	0	1392	0.0	31.1	-31.1	
42		CHITTORGARH-BANASKANTHA	D/C	0	770	0.0	11.9	11.9	
43	400 kV	ZERDA-KANKROLI	S/C	73	109	0.2	0.8	-0.6	
44		ZERDA -BHINMAL	S/C	87	173	0.5	0.7	-0.1	
45		V'CHAL -RIHAND	S/C	979	0	22.7	0.0	22.7	
46		RAPP-SHUJALPUR	D/C	0	350	0	5	-5	
47	220 kV	BHANPURA-RANPUR	S/C	14	37	0.0	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	63	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	47	6	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	3	39	0.0	0.5	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.9	238.6	-178.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	189	518	1.0	9.3	-8.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1190	852	5.3	0.0	5.3	
55		WARDHA-NIZAMABAD	D/C	0	1334	0.0	17.6	-17.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	925	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	68	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	39	0.7	0.0	0.7	
WR-SR						20.2	28.2	-8.0	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						34.2	
61		NEPAL						-6.5	
62		BANGLADESH						-25.8	