



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: 07thSep 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 06.09.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-सितंबर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 06th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

7-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)	58936	44234	40437	22336	2884	168827
Peak Shortage (MW)	2466	0	0	0	160	2626
Energy Met (MU)	1340	1015	918	466	55	3793
Hydro Gen (MU)	375	112	154	130	20	791
Wind Gen (MU)	8	63	205	-----	-----	276
Solar Gen (MU)*	28.72	15.11	56.81	1.95	0.04	103
Energy Shortage (MU)	20.2	0.0	0.0	0.0	2.5	22.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60656 22:19	45933 19:01	40850 09:48	23326 20:34	2974 18:43	171559 19:32

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	0.022	0.00	0.07	1.49	1.56	84.71	13.73

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	10021	0	219.2	135.5	-1.0	56	0.0
	Haryana	9642	0	209.3	155.2	-0.8	158	0.0
	Rajasthan	10211	0	228.7	74.4	0.8	476	0.0
	Delhi	6134	0	128.5	106.7	-0.4	147	0.0
	UP	21403	0	435.0	230.2	1.9	578	10.7
	Uttarakhand	1950	0	42.7	15.7	-0.1	114	0.0
	HP	1452	0	30.8	0.0	-0.2	68	0.0
	J&K	2062	516	39.8	19.4	-2.6	162	9.5
WR	Chandigarh	301	0	5.9	6.7	-0.8	2	0.0
	Chhattisgarh	3760	0	86.8	36.4	-0.3	225	0.0
	Gujarat	13257	0	292.4	95.4	3.3	473	0.0
	MP	8849	0	195.1	89.5	-4.2	501	0.0
	Maharashtra	18467	0	397.8	124.3	-1.4	444	0.0
	Goa	541	0	10.2	9.5	0.2	46	0.0
	DD	336	0	7.5	6.9	0.6	48	0.0
	DNH	784	0	18.6	18.7	-0.1	34	0.0
SR	Essar steel	338	0	6.7	6.7	-0.1	298	0.0
	Andhra Pradesh	7465	0	167.9	29.9	-0.9	329	0.0
	Telangana	9402	0	193.7	55.8	-2.5	478	0.0
	Karnataka	9781	0	179.2	14.3	-2.0	605	0.0
	Kerala	3405	0	65.5	42.5	0.4	185	0.0
	Tamil Nadu	14258	0	303.7	121.0	-4.4	814	0.0
	Pondy	380	0	7.9	8.3	-0.4	29	0.0
	Bihar	5774	0	116.8	111.3	0.9	600	0.0
ER	DVC	2836	0	60.9	-30.5	-0.1	200	0.0
	Jharkhand	1146	0	25.9	17.2	-0.6	50	0.0
	Odisha	4338	0	90.3	23.0	8.7	700	0.0
	West Bengal	9231	0	170.8	72.7	2.4	500	0.0
	Sikkim	94	0	0.9	1.3	-0.4	10	0.0
NER	Arunachal Pradesh	128	2	2.3	2.9	-0.6	3	0.0
	Assam	1899	134	35.2	29.7	0.7	156	2.4
	Manipur	182	1	2.5	2.5	0.0	36	0.0
	Meghalaya	297	0	5.3	2.1	-0.2	28	0.0
	Mizoram	89	1	1.9	0.5	0.9	5	0.0
	Nagaland	145	2	2.3	2.3	-0.3	38	0.0
	Tripura	288	3	5.2	4.0	0.3	79	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.1	-5.7	-25.7
Day peak (MW)	2031.8	-374.0	-1099.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	313.4	-233.2	-1.3	-85.3	10.4	4.1
Actual(MU)	317.9	-239.1	-19.1	-73.7	12.8	-1.2
O/D/U/D(MU)	4.5	-5.9	-17.9	11.6	2.4	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4226	16300	8432	850	736	30544
State Sector	9030	20277	11090	6530	50	46976
Total	13256	36576	19522	7380	786	77520

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	534	973	370	437	7	2322
Lignite	21	10	44	0	0	76
Hydro	375	112	154	130	20	791
Nuclear	27	31	55	0	0	114
Gas, Naptha & Diesel	39	52	16	0	20	128
RES (Wind, Solar, Biomass & Others)	53	84	309	2	0	448
Total	1049	1263	949	569	47	3878

Share of RES in total generation (%)	5.03	6.64	32.56	0.35	0.08	11.55
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.33	18.01	54.64	23.22	41.54	34.88

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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 : 7-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	477	0.0	8.1	-8.1	
2		SASARAM-FATEHPUR	S/C	162	177	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	474	0.0	8.8	-8.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	902	0.0	21.8	-21.8	
5		PUSAULI B/B	S/C	0	195	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	167	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	732	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	1041	0.0	19.8	-19.8	
10		BIHARSHARIFF-BALIA	D/C	0	330	0.0	5.5	-5.5	
11		MOTIHARI-GORAKHPUR	D/C	0	12	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	76	136	0.0	0.3	-0.3	
13		PUSAULI-SAHUPURI	S/C	0	193	0.0	3.6	-3.6	
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						1.9	89.5	-87.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	948	0	12.7	0.0	12.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	1026	0	17.3	0.0	17.3	
20		JHARSUGUDA-DURG	D/C	236	1	3.5	0.0	3.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	237	126	2.1	0.0	2.1	
22		RANCHI-SIPAT	D/C	337	0	4.2	0.0	4.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	122	0.0	2.0	-2.0	
24		BUDHIPADAR-KORBA	D/C	90	2	1.0	0.0	1.0	
ER-WR						40.8	2.0	38.8	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1597.0	0.0	22.2	-22.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	317.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	588.0	0.0	14.5	-14.5	
28	400 kV	TALCHER-I/C	D/C	483.0	0.0	10.2	0.0	10.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.3	36.7	-29.3	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	665	0.0	12.3	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	500	0.0	7.7	-8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	155	0.0	2.7	-3	
ER-NER						0.0	22.6	-22.6	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.2	-12.2	
NER-NR						0.0	12.2	-12.2	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3005	0.0	57.4	-57.4	
35		V'CHAL B/B	D/C	0	153	0.0	3.7	-3.7	
36		APL -MHG	D/C	0	1458	0.0	32.0	-32.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2547	0.0	49.0	-49.0	
38		PHAGI-GWALIOR	D/C	0	1147	0.0	21.4	-21.4	
39		JABALPUR-ORAI	D/C	0	904	0.0	37.1	-37.1	
40		GWALIOR-ORAI	S/C	376	0	7.3	0.0	7.3	
41		SATNA-ORAI	S/C	0	1383	0.0	30.9	-30.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	854	0.0	11.9	11.9	
43	400 kV	ZERDA-KANKROLI	S/C	58	119	0.2	0.9	-0.7	
44		ZERDA -BHINMAL	S/C	58	135	0.2	1.0	-0.9	
45		V'CHAL -RIHAND	S/C	962	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	0	349	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	24	39	0.1	0.3	-0.3	
48		BHANPURA-MORAK	S/C	4	84	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	64	6	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	20	41	0.0	0.6	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						30.3	249.8	-195.7	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	287	0	7.2	0.0	7.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1321	442	15.6	0.4	15.2	
55		WARDHA-NIZAMABAD	D/C	0	1482	0.0	16.9	-16.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	1096	0	18.3	0.0	18.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	57	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	33	0.6	0.0	0.6	
WR-SR						41.6	18.2	23.4	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						42.1	
61		NEPAL						-5.7	
62		BANGLADESH						-25.7	