



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: 05thSep 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 04.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th Sep 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

5-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)	58624	43914	39067	21921	2922	166448
Peak Shortage (MW)	2632	0	0	0	136	2768
Energy Met (MU)	1352	1003	871	466	53	3745
Hydro Gen (MU)	365	100	115	136	19	735
Wind Gen (MU)	7	60	166	-----	-----	233
Solar Gen (MU)*	21.18	15.5	55.18	1.86	0.04	94
Energy Shortage (MU)	25.1	0.0	0.7	0.0	2.6	28.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60828 22:40	45184 19:09	39289 19:32	22413 19:55	2960 19:18	168010 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	0.026	0.00	0.15	2.91	3.06	80.53	16.41

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	10548	0	246.2	139.0	-1.3	71	0.0
	Haryana	9881	0	217.8	169.2	0.9	199	0.2
	Rajasthan	10070	0	225.5	75.7	-2.0	377	0.0
	Delhi	6251	0	130.3	100.8	0.1	135	0.0
	UP	19892	1730	414.1	208.8	4.1	659	15.8
	Uttarakhand	1933	0	41.1	13.4	-0.1	64	0.0
	HP	1456	0	30.7	-0.4	1.2	111	0.0
	J&K	1972	493	40.3	19.6	-2.3	94	9.0
WR	Chandigarh	298	0	6.1	6.8	-0.7	25	0.0
	Chhattisgarh	3817	0	84.9	33.1	-0.6	259	0.0
	Gujarat	13327	0	296.8	83.7	6.1	910	0.0
	MP	8374	0	186.3	82.5	-1.8	420	0.0
	Maharashtra	18578	0	395.5	136.8	-1.4	487	0.0
	Goa	541	0	8.8	9.6	-1.4	63	0.0
	DD	329	0	6.6	6.4	0.2	75	0.0
	DNH	797	0	18.7	18.8	-0.1	119	0.0
SR	Essar steel	312	0	5.7	5.5	0.2	261	0.0
	Andhra Pradesh	7002	0	159.4	31.9	-0.9	310	0.0
	Telangana	8351	0	175.3	65.5	-0.3	409	0.0
	Karnataka	8790	0	172.6	11.5	-3.6	549	0.0
	Kerala	3352	0	65.2	45.6	1.3	247	0.5
	Tamil Nadu	13887	0	291.3	121.7	-0.6	613	0.0
	Pondy	381	0	7.1	8.1	-0.9	37	0.2
	Bihar	5765	0	112.6	112.9	-3.0	450	0.0
ER	DVC	2838	0	61.4	-32.6	-0.8	200	0.0
	Jharkhand	1134	0	25.1	17.0	-1.3	120	0.0
	Odisha	4560	0	93.6	21.7	7.3	410	0.0
	West Bengal	8455	0	172.2	79.1	-0.4	200	0.0
	Sikkim	94	0	1.0	1.4	-0.4	20	0.0
NER	Arunachal Pradesh	128	2	2.2	2.7	-0.5	19	0.0
	Assam	1906	98	34.0	29.2	0.0	112	2.5
	Manipur	169	4	2.6	2.4	0.2	21	0.0
	Meghalaya	298	0	5.1	2.5	-0.2	33	0.0
	Mizoram	91	1	1.8	0.9	0.5	51	0.0
	Nagaland	125	2	2.2	2.3	-0.5	47	0.0
	Tripura	297	3	5.2	4.6	0.6	96	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.5	-6.3	-25.8
Day peak (MW)	1951.4	-382.3	-1119.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	315.2	-270.1	9.5	-68.1	13.4	0.0
Actual(MU)	317.6	-261.4	-8.1	-65.1	14.3	-2.7
O/D/U/D(MU)	2.3	8.7	-17.7	3.0	0.9	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4740	15640	7932	850	504	29666
State Sector	8705	21792	10280	5850	50	46676
Total	13445	37431	18212	6700	553	76342

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	554	1020	395	424	5	2399
Lignite	19	7	39	0	0	65
Hydro	365	100	115	136	19	735
Nuclear	27	31	55	0	0	114
Gas, Naptha & Diesel	41	43	16	0	21	121
RES (Wind, Solar, Biomass & Others)	44	80	264	2	0	390
Total	1051	1281	885	562	45	3824

Share of RES in total generation (%)	4.18	6.25	29.85	0.34	0.09	10.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.48	16.50	49.14	24.53	41.70	32.39

H. Diversity Factor

All India Demand Diversity Factor	1.016
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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 : 5-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	385	0.0	5.0	-5.0	
2		SASARAM-FATEHPUR	S/C	183	127	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	450	0.0	8.4	-8.4	
4		ALIPURDUAR-AGRA	-	0	901	0.0	21.7	-21.7	
5		PUSAULI B/B	S/C	2	198	0.0	4.4	-4.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	54	67	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	820	0.0	11.0	-11.0	
9		PATNA-BALIA	Q/C	0	924	0.0	19.2	-19.2	
10		BIHARSHARIFF-BALIA	D/C	0	367	0.0	7.2	-7.2	
11		MOTIHARI-GORAKHPUR	D/C	0	11	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	93	130	0.0	0.2	-0.2	
13		PUSAULI-SAHUPURI	S/C	0	193	0.0	3.7	-3.7	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.4	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						1.8	84.9	-83.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1163	0	17.7	0.0	17.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	1164	0	21.8	0.0	21.8	
20		JHARSUGUDA-DURG	D/C	292	0	4.2	0.0	4.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	294	0	2.8	0.0	2.8	
22		RANCHI-SIPAT	D/C	395	0	6.0	0.0	6.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.6	-1.6	
24		BUDHIPADAR-KORBA	D/C	96	0	1.5	0.0	1.5	
ER-WR						54.0	1.6	52.4	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1735.0	0.0	23.6	-23.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	314.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	997.0	0.0	20.1	-20.1	
28	400 kV	TALCHER-I/C	D/C	642.0	0.0	5.3	0.0	5.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	43.7	-36.3	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	750	0.0	13.4	-13	
31		ALIPURDUAR-BONGAIGAON	D/C	0	597	0.0	10.5	-10	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	168	0.0	3.1	-3	
ER-NER						0.0	27.0	-27.0	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	13.9	-13.9	
NER-NR						0.0	13.9	-13.9	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3013	0.0	62.4	-62.4	
35		V'CHAL B/B	D/C	141	301	1.1	3.2	-2.1	
36		APL -MHG	D/C	0	1737	0.0	36.6	-36.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2870	0.0	53.3	-53.3	
38		PHAGI-GWALIOR	D/C	0	1087	0.0	19.4	-19.4	
39		JABALPUR-ORAI	D/C	0	966	0.0	36.3	-36.3	
40		GWALIOR-ORAI	S/C	409	0	7.8	0.0	7.8	
41		SATNA-ORAI	S/C	0	1467	0.0	30.7	-30.7	
42		CHITTORGARH-BANASKANTHA	D/C	72	999	0.0	7.1	7.1	
43	400 kV	ZERDA-KANKROLI	S/C	94	160	0.2	1.1	-0.8	
44		ZERDA -BHINMAL	S/C	60	258	0.0	2.1	-2.1	
45		V'CHAL -RIHAND	S/C	960	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	0	366	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	20	46	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	13	111	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	66	15	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	23	53	0.0	0.8	-0.7	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						31.9	257.3	-211.1	
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	1351	644	11.8	0.0	11.8	
55		WARDHA-NIZAMABAD	D/C	0	1525	0.0	18.3	-18.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	1201	0	19.4	0.0	19.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	55	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	31	0.6	0.0	0.6	
WR-SR						39.0	19.4	19.6	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						42.5	
61		NEPAL						-6.3	
62		BANGLADESH						-25.8	