National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ **भारत सरकार का उद्यम**)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report दिनांक: 06thSep 2019

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 05.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-सितंबर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 05th Sep 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day **Date of Reporting** **6-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)	57961	45086	40411	22491	2897	168846
Peak Shortage (MW)	1680	37	0	0	114	1831
Energy Met (MU)	1333	1006	894	467	53	3754
Hydro Gen (MU)	361	97	130	138	19	746
Wind Gen (MU)	8	63	187	----------	----------	258
Solar Gen (MU)*	27.78	15.13	61.82	1.98	0.03	107
Energy Shortage (MU)	12.4	0.4	0.0	0.0	3.8	16.6
Maximum Demand Met during the day	60808	46462	40625	22786	2937	170446
(MW) & time (from NLDC SCADA)	22:42	19:21	19:16	20:06	18:58	19:31

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	0.027	0.00	0.00	1.91	1.91	81.05	17.04

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	9825	0	214.3	132.5	-1.3	132	0.0
	Haryana	9552	0	208.0	154.7	-0.3	178	0.0
	Rajasthan	10058	0	225.7	76.7	-3.3	98	0.0
	Delhi	6155	0	128.7	106.2	-0.6	154	0.0
	UP	21419	0	439.6	230.3	3.1	734	3.2
	Uttarakhand	1941	0	42.8	13.7	0.4	109	0.0
	HP	1409	0	29.9	-0.7	-0.1	53	0.0
	J&K	1935	484	38.6	16.9	-1.4	92	9.2
	Chandigarh	269	0	5.7	6.6	-0.9	-1	0.0
WR	Chhattisgarh	3938	37	88.5	36.9	1.8	280	0.4
	Gujarat	13107	0	288.7	91.0	5.2	580	0.0
	MP	8728	0	188.2	91.0	-0.5	517	0.0
	Maharashtra	18309	0	399.6	132.9	0.5	519	0.0
	Goa	541	0	10.2	9.7	-0.1	51	0.0
	DD	323	0	6.9	6.6	0.3	53	0.0
	DNH	790	0	18.5	18.5	0.0	28	0.0
	Essar steel	281	0	5.6	5.9	-0.3	271	0.0
SR	Andhra Pradesh	7155	6	163.6	31.6	0.5	383	0.0
	Telangana	9308	0	190.3	58.0	0.2	385	0.0
	Karnataka	8654	0	170.5	13.4	-3.9	635	0.0
	Kerala	3279	0	65.1	43.8	1.6	200	0.0
	Tamil Nadu	14102	0	296.9	117.0	-1.1	921	0.0
	Pondy	381	0	7.9	8.1	-0.2	28	0.0
ER	Bihar	5747	0	115.3	113.5	-2.1	500	0.0
	DVC	2776	0	60.2	-29.7	0.1	200	0.0
	Jharkhand	1287	0	25.4	17.0	-0.9	80	0.0
	Odisha	4615	0	93.6	20.2	8.5	1000	0.0
	West Bengal	8763	0	171.8	74.8	-0.2	250	0.0
	Sikkim	96	0	1.0	1.4	-0.4	5	0.0
NER	Arunachal Pradesh	119	1	2.4	2.5	-0.1	22	0.0
	Assam	1883	92	33.3	28.3	-0.3	132	3.7
	Manipur	166	3	2.5	2.5	0.0	21	0.0
	Meghalaya	314	0	5.3	2.5	-0.3	110	0.0
	Mizoram	92	1	1.9	0.6	0.6	58	0.0
	Nagaland	170	2	2.5	2.3	-0.3	44	0.0
	Tripura	296	3	5.2	4.8	0.1	73	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	44.2	-6.1	-25.9
Day peak (MW)	1980.5	-372.0	-1115.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	315.5	-248.4	0.9	-75.1	11.3	4.2
Actual(MU)	316.0	-236.3	-24.7	-68.8	11.4	-2.4
O/D/U/D(MU)	0.5	12.0	-25.6	6.3	0.1	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4540	15040	7932	850	736	29098
State Sector	9030	20890	11090	5740	50	46799
Total	13570	35929	19022	6590	786	75897

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	541	992	384	428	8	2353
Lignite	19	8	41	0	0	69
Hydro	361	97	130	138	19	746
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	39	46	16	0	21	122
RES (Wind, Solar, Biomass & Others)	51	83	295	2	0	432
Total	1039	1258	922	568	48	3835

Share of RES in total generation (%)	4.93	6.62	32.00	0.35	0.06	11.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.35	16.82	52.12	24.70	39.05	33.67

H. Diversity Factor

All India Demand Diversity Factor	1.019

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.

मुख्य महाप्रबंधक (रा॰ भा॰ प्रे॰ के॰)

INTER-REGIONAL EXCHANGES

Date of Reporting : **6-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	47	563	0.0	7.1	-7.1
2		SASARAM-FATEHPUR	S/C	202	119	1.3	0.0	1.3
3		GAYA-BALIA	S/C	0	494	0.0	8.7	-8.7
4	HVDC	ALIPURDUAR-AGRA	-	0	902	0.0	22.0	-22.0
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	3.6	-3.6
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.0	-1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	866	0.0	13.0	-13.0
9		PATNA-BALIA	Q/C	0	1048	0.0	20.7	-20.7
10		BIHARSHARIFF-BALIA	D/C	0	332	0.0	6.5	-6.5
11		MOTIHARI-GORAKHPUR	D/C	0	12	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	121	180	0.0	0.3	-0.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	190	0.0	3.8	-3.8
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	**1.7**	**91.4**	**-89.6**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	866	0	14.1	0.0	14.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	1151	0	20.4	0.0	20.4
20		JHARSUGUDA-DURG	D/C	265	0	3.4	0.0	3.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	257	120	1.6	0.0	1.6
22		RANCHI-SIPAT	D/C	391	0	7.6	0.0	7.6
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	118	0.0	2.1	-2.1
24		BUDHIPADAR-KORBA	D/C	65	19	0.5	0.0	0.5
					ER-WR	**47.6**	**2.1**	**45.6**
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1637.0	0.0	20.8	-20.8
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	313.0	0.0	7.3	0.0	7.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	986.0	0.0	15.7	-15.7
28	400 kV	TALCHER-I/C	D/C	532.0	0.0	9.4	0.0	9.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**7.3**	**36.5**	**-29.2**
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	643	0.0	11.8	-12
31		ALIPURDUAR-BONGAIGAON	D/C	0	508	0.0	8.8	-9
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	155	0.0	2.8	-3
					ER-NER	**0.0**	**23.4**	**-23.4**
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	13.2	-13.2
					NER-NR	**0.0**	**13.2**	**-13.2**
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3011	0.0	55.8	-55.8
35		V'CHAL B/B	D/C	50	250	0.0	1.3	-1.3
36		APL -MHG	D/C	0	1455	0.0	25.0	-25.0
37	765 kV	GWALIOR-AGRA	D/C	0	2804	0.0	56.0	-56.0
38		PHAGI-GWALIOR	D/C	0	1231	0.0	20.6	-20.6
39		JABALPUR-ORAI	D/C	0	966	0.0	38.8	-38.8
40		GWALIOR-ORAI	S/C	429	0	8.0	0.0	8.0
41		SATNA-ORAI	S/C	0	1445	0.0	31.8	-31.8
42		CHITTORGARH-BANASKANTHA	D/C	0	1048	0.0	14.7	14.7
43	400 kV	ZERDA-KANKROLI	S/C	51	165	0.0	1.5	-1.5
44		ZERDA -BHINMAL	S/C	1	209	0.0	2.3	-2.3
45		V'CHAL -RIHAND	S/C	969	0	22.5	0.0	22.5
46		RAPP-SHUJALPUR	D/C	0	402	0	3	-3
47	220 kV	BHANPURA-RANPUR	S/C	18	45	0.0	0.6	-0.6
48		BHANPURA-MORAK	S/C	0	76	0.0	1.0	-1.0
49		MEHGAON-AURAIYA	S/C	59	12	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	16	49	0.0	0.7	-0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**30.8**	**253.3**	**-193.0**
Import/Export of WR (With SR)								
52	HVDC LINK	BHADRAWATI B/B	-	290	0	7.2	0.0	7.2
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1474	452	16.4	0.4	16.0
55		WARDHA-NIZAMABAD	D/C	26	1495	0.0	15.2	-15.2
56	400 kV	KOLHAPUR-KUDGI	D/C	1112	0	19.6	0.0	19.6
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	62	0.0	1.1	-1.1
59		XELDEM-AMBEWADI	S/C	0	35	0.6	0.0	0.6
					WR-SR	**43.8**	**16.7**	**27.1**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**44.2**
61		NEPAL						**-6.1**
62		BANGLADESH						**-25.9**