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: 7th Sept 2018

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Executive Director, 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 06.09.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-सितंबर-2018 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 6th September 2018, 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** **7-Sep-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49024	45755	44120	19091	2681	160671
Peak Shortage (MW)	912	0	496	185	198	1791
Energy Met (MU)	1129	1052	1010	414	52	3656
Hydro Gen (MU)	353	31	126	125	24	659
Wind Gen (MU)	24	121	191	----------	----------	337
Solar Gen (MU)*	17.38	16.50	55.69	0.88	0.02	90
Energy Shortage (MU)	9.5	0.0	1.4	-0.6	1.7	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50762	46886	43890	19667	2769	162802
	00:00	07:42	19:00	19:41	18:47	19:37

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	0.031	0.00	0.03	7.45	7.49	85.47	7.04

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	10188	0	227.2	131.0	-0.8	176	0.0
	Haryana	7383	0	154.3	136.4	-0.8	291	0.0
	Rajasthan	9641	0	215.5	69.3	1.3	548	0.0
	Delhi	5052	0	100.4	78.3	-0.2	156	0.1
	UP	15037	0	317.8	156.8	-1.6	230	0.0
	Uttarakhand	1903	0	40.5	19.5	0.1	159	0.0
	HP	1393	0	28.5	-1.4	2.1	164	0.1
	J&K	2066	516	38.9	19.6	-4.5	45	9.3
	Chandigarh	293	0	5.4	5.7	-0.3	9	0.0
WR	Chhattisgarh	3426	0	79.6	11.7	-3.2	750	0.0
	Gujarat	14570	0	327.3	75.1	7.5	821	0.0
	MP	7518	0	157.7	73.0	-0.8	436	0.0
	Maharashtra	19882	0	438.3	137.5	-1.9	498	0.0
	Goa	403	0	11.3	8.8	0.6	65	0.0
	DD	347	0	7.9	6.8	1.1	115	0.0
	DNH	804	0	18.7	17.5	1.2	98	0.0
	Essar steel	591	0	12.3	12.3	0.0	183	0.0
SR	Andhra Pradesh	8534	0	191.1	32.8	0.1	553	0.0
	Telangana	10189	0	219.2	100.2	1.5	620	0.0
	Karnataka	9436	0	201.4	49.9	-1.3	346	0.0
	Kerala	3297	200	66.9	33.1	0.5	320	1.4
	Tamil Nadu	14946	0	324.3	100.4	-1.0	529	0.0
	Pondy	340	30	7.4	7.5	-0.1	71	0.1
ER	Bihar	4684	0	92.2	90.9	0.9	200	0.0
	DVC	2892	0	61.7	-24.2	1.7	220	-0.5
	Jharkhand	857	0	21.3	14.7	-1.4	40	-0.1
	Odisha	4109	0	82.6	23.9	0.6	220	0.0
	West Bengal	7708	0	129.8	62.3	0.8	225	0.0
	Sikkim	84	0	0.8	1.2	-0.1	10	0.0
NER	Arunachal Pradesh	110	2	2.1	2.2	-0.1	30	0.0
	Assam	1792	99	33.1	27.4	0.3	92	1.5
	Manipur	171	1	2.3	2.4	-0.1	40	0.0
	Meghalaya	322	0	5.8	-0.7	0.4	38	0.0
	Mizoram	82	1	1.5	1.0	0.1	19	0.0
	Nagaland	116	2	2.4	1.8	0.2	24	0.0
	Tripura	269	1	4.6	4.1	0.5	47	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.2	-6.5	-15.0
Day peak (MW)	1785.4	-354.0	-650.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	218.6	-232.7	67.1	-58.4	6.8	1.4
Actual(MU)	214.6	-236.5	68.1	-56.8	6.7	-4.0
O/D/U/D(MU)	-4.0	-3.8	1.0	1.6	-0.1	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5056	17579	10632	1645	539	35451
State Sector	12345	18063	7773	7155	50	45386
Total	17401	35642	18405	8800	588	80836

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	492	1060	502	358	8	2420
Hydro	353	31	126	125	24	659
Nuclear	22	27	19	0	0	69
Gas, Naptha & Diesel	24	45	20	0	16	105
RES (Wind, Solar, Biomass & Others)	55	138	287	1	0	481
Total	946	1302	954	483	48	3734

Share of RES in total generation (%)	5.86	10.58	30.11	0.18	0.09	12.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.49	15.09	45.30	26.05	49.99	32.38

H. Diversity Factor

All India Demand Diversity Factor	1.007

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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **7-Sep-18**

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	160	145	0.0	0.5	-0.5
2		SASARAM-FATEHPUR	S/C	312	0	5.2	0.0	5.2
3		GAYA-BALIA	S/C	0	227	0.0	3.4	-3.4
4	**HVDC**	ALIPURDUAR-AGRA	-	0	2014	0.0	41.0	-41.0
5		PUSAULI B/B	S/C	0	350	0.0	3.5	-3.5
6	**400 kV**	PUSAULI-VARANASI	S/C	0	166	0.0	3.4	-3.4
7		PUSAULI -ALLAHABAD	S/C	9	38	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	86	339	0.0	3.7	-3.7
9		PATNA-BALIA	Q/C	0	726	0.0	12.9	-12.9
10		BIHARSHARIFF-BALIA	D/C	0	142	0.0	0.2	-0.2
11		MOTIHARI-GORAKHPUR	D/C	119	0	6.1	0.0	6.1
12		BIHARSHARIFF-VARANASI	D/C	265	0	3.6	0.0	3.6
13	**220 kV**	PUSAULI-SAHUPURI	S/C	2	151	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	35	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	**15.4**	**71.5**	**-56.1**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	984	0	14.6	0.0	14.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	965	93	13.3	0.0	13.3
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	1120	0	14.2	0.0	14.2
21		RANCHI-SIPAT	D/C	445	0	7.2	0.0	7.2
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	333	0	6.4	0.0	6.4
					ER-WR	**55.7**	**0.0**	**55.7**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1693.0	0.0	24.9	-24.9
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	467.0	0.0	11.1	-11.1
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1905.0	0.0	30.7	-30.7
27	**400 kV**	TALCHER-I/C	D/C	0.0	990.0	0.0	3.6	-3.6
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**66.6**	**-66.6**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	898	0.0	17.0	-17
30		ALIPURDUAR-BONGAIGAON	D/C	326	329	1.6	0.0	2
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	168	0.0	2.5	-2
					ER-NER	**1.6**	**19.5**	**-17.8**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	701	0.0	13.2	-13.2
					NER-NR	**0.0**	**13.2**	**-13.2**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	2001	0.0	35.0	-35.0
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1454	0.0	36.3	-36.3
36	**765 kV**	GWALIOR-AGRA	D/C	0	1114	0.0	38.2	-38.2
37		PHAGI-GWALIOR	D/C	0	1309	0.0	23.7	-23.7
38		JABALPUR-ORAI	D/C	144	429	0.0	10.5	-10.5
39		GWALIOR-ORAI	S/C	341	0	6.7	0.0	6.7
40		SATNA-ORAI	S/C	0	1924	0.0	41.3	-41.3
41	**400 kV**	ZERDA-KANKROLI	S/C	431	0	4.8	0.0	4.8
42		ZERDA -BHINMAL	S/C	281	81	2.4	0.0	2.4
43		V'CHAL -RIHAND	S/C	972	0	22.1	0.0	22.1
44		RAPP-SHUJALPUR	D/C	113	290	0	1	-1
45	**220 kV**	BADOD-KOTA	S/C	62	0	0.4	0.3	0.1
46		BADOD-MORAK	S/C	32	72	0.1	0.5	-0.4
47		MEHGAON-AURAIYA	S/C	43	23	0.1	0.1	0.0
48		MALANPUR-AURAIYA	S/C	47	40	0.0	0.5	-0.5
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**42.6**	**187.8**	**-145.1**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	20.5	-20.5
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	919	665	0.0	5.5	-5.5
53		WARDHA-NIZAMABAD	D/C	939	1957	0.0	26.0	-26.0
54	**400 kV**	KOLHAPUR-KUDGI	D/C	667	0	10.0	0.0	10.0
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	103	2.0	0.0	2.0
					WR-SR	**11.9**	**52.0**	**-40.1**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**36.2**
59		NEPAL						**-6.5**
60		BANGLADESH						**-15.0**