



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: 25th Sept 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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 24.09.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-सितंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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 24th 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

25-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	41955	50097	43423	20080	2591	158146
Peak Shortage (MW)	719	0	253	1507	114	2593
Energy Met (MU)	872	1155	955	455	48	3485
Hydro Gen (MU)	309	57	111	109	25	611
Wind Gen (MU)	6	53	18	-----	-----	78
Solar Gen (MU)*	19.67	18.5	54.53	0.99	0.02	94
Energy Shortage (MU)	10.0	0.0	0.7	4.5	1.3	16.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43222 19:32	52852 18:39	43449 18:54	21444 20:50	2663 19:04	159347 18:39

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	0.090	1.90	2.60	16.06	20.57	74.81	4.62

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	4364	0	104.5	67.5	-1.6	181	0.0
	Haryana	5571	3	96.3	84.7	1.3	331	0.9
	Rajasthan	8496	0	181.5	48.5	0.3	618	0.0
	Delhi	4188	0	86.0	64.9	-1.9	46	0.0
	UP	14836	30	302.6	149.2	-0.5	364	0.0
	Uttarakhand	1925	0	34.1	23.8	0.6	547	0.4
	HP	1304	0	25.6	6.2	-2.7	52	0.0
	J&K	1966	491	37.9	25.5	-8.7	169	8.8
	Chandigarh	182	0	3.5	5.3	-1.8	33	0.0
WR	Chhattisgarh	4072	0	91.6	23.5	-1.3	188	0.0
	Gujarat	16625	0	360.4	109.8	7.5	699	0.0
	MP	8692	0	181.4	72.6	1.3	1029	0.0
	Maharashtra	22088	0	472.3	146.5	5.5	1054	0.0
	Goa	460	0	12.2	9.1	0.0	66	0.0
	DD	320	0	7.1	6.1	0.9	109	0.0
	DNH	790	0	18.5	17.4	1.1	175	0.0
	Essar steel	607	0	11.9	11.9	0.0	247	0.0
	SR	Andhra Pradesh	7935	0	176.2	40.3	2.8	450
Telangana		9752	0	208.6	96.2	5.6	646	0.0
Karnataka		9446	0	193.6	43.5	0.9	831	0.0
Kerala		3465	150	69.1	42.8	0.7	265	0.6
Tamil Nadu		14106	0	299.8	159.3	2.7	756	0.0
Pondy		340	20	7.5	7.1	0.4	52	0.1
ER	Bihar	4984	0	94.3	88.8	5.0	345	2.7
	DVC	2885	0	63.1	-15.9	3.5	402	1.3
	Jharkhand	1092	182	24.5	16.3	1.3	198	0.6
	Odisha	5007	0	105.0	36.5	5.9	385	0.0
	West Bengal	8582	0	167.1	68.5	1.9	445	0.0
	Sikkim	92	0	1.2	1.1	0.1	20	0.0
NER	Arunachal Pradesh	130	3	2.3	2.7	-0.4	54	0.0
	Assam	1642	90	29.7	24.0	-0.2	136	1.2
	Manipur	158	13	2.2	2.7	-0.5	28	0.0
	Meghalaya	280	3	5.0	2.0	-0.4	55	0.0
	Mizoram	58	5	1.6	1.2	0.0	2	0.0
	Nagaland	112	5	2.1	1.9	-0.1	17	0.0
	Tripura	273	8	4.6	4.7	-0.4	74	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.0	-4.9	-22.3
Day peak (MW)	1299.3	-228.0	-962.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	120.3	-177.3	61.2	-7.0	2.6	-0.1
Actual(MU)	90.0	-174.7	75.3	9.9	-1.6	-1.0
OD/UD(MU)	-30.3	2.6	14.1	16.9	-4.2	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4114	14565	6442	1620	368	27109
State Sector	14430	13938	5540	6725	50	40683
Total	18544	28503	11982	8345	418	67792

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	419	1133	622	360	4	2537
Hydro	309	57	111	109	25	611
Nuclear	23	27	19	0	0	69
Gas, Naptha & Diesel	23	54	25	0	24	126
RES (Wind, Solar, Biomass & Others)	45	72	111	1	0	230
Total	818	1344	888	470	53	3573

Share of RES in total generation (%)	5.48	5.39	12.52	0.22	0.07	6.43
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.00	11.69	27.17	23.47	47.46	25.48

H. Diversity Factor

All India Demand Diversity Factor	1.027
-----------------------------------	-------

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 :	25-Sep-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	491	0	7.4	0.0	7.4	
2		SASARAM-FATEHPUR	S/C	565	0	10.3	0.0	10.3	
3		GAYA-BALIA	S/C	62	204	1.3	0.0	1.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	1199	0.0	27.6	-27.6	
5		PUSAULI B/B	S/C	0	398	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	349	0.0	7.8	-7.8	
7		PUSAULI-ALLAHABAD	S/C	0	116	0.0	1.9	-1.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	205	264	0.0	0.2	-0.2	
9		PATNA-BALIA	Q/C	61	364	0.0	5.1	-5.1	
10		BIHARSHARIFF-BALIA	D/C	146	69	1.7	0.0	1.7	
11		MOTIHARI-GORAKHPUR	D/C	313	0	5.7	0.0	5.7	
12		BIHARSHARIFF-VARANASI	D/C	452	0	7.0	0.0	7.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	4.0	-4.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.6	0.0	0.6	
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	34.0	56.6	-22.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1764	0	35.0	0.0	35.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1013	0	16.7	0.0	16.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1296	0	23.2	0.0	23.2	
21		RANCHI-SIPAT	D/C	527	0	8.7	0.0	8.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	269	0	4.9	0.0	4.9	
						ER-WR	88.4	0.0	88.4
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1450.0	0.0	24.3	-24.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	469.0	0.0	11.2	-11.2	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1897.0	0.0	41.2	-41.2	
27	400 kV	TALCHER-I/C	D/C	0.0	990.0	0.0	13.0	-13.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	76.6	-76.6
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	778	0.0	11.6	-12	
30		ALIPURDUAR-BONGAIGAON	D/C	145	592	0.0	0.3	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	164	0.0	2.0	-2	
						ER-NER	0.0	13.9	-13.9
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	812	0.0	17.2	-17.2	
						NER-NR	0.0	17.2	-17.2
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1300	0.0	6.0	-6.0	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1454	0.0	20.5	-20.5	
36	765 kV	GWALIOR-AGRA	D/C	0	791	0.0	19.6	-19.6	
37		PHAGI-GWALIOR	D/C	0	853	0.0	10.4	-10.4	
38		JABALPUR-ORAI	D/C	198	338	0.0	2.6	-2.6	
39		GWALIOR-ORAI	S/C	406	0	6.2	0.0	6.2	
40	400 kV	SATNA-ORAI	S/C	0	1583	0.0	31.6	-31.6	
41		ZERDA-KANKROLI	S/C	417	6	7.6	0.0	7.6	
42		ZERDA -BHINMAL	S/C	259	61	4.0	0.0	4.0	
43		V'CHAL -RIHAND	S/C	482	0	9.7	0.0	9.7	
44	220 kV	RAPP-SHUJALPUR	D/C	253	122	0	1	-1	
45		BADOD-KOTA	S/C	98	0	1.0	0.0	1.0	
46		BADOD-MORAK	S/C	39	29	0.4	0.1	0.3	
47		MEHGAON-AURAIYA	S/C	68	0	0.8	0.0	0.8	
48	132kV	MALANPUR-AURAIYA	S/C	38	15	0.2	0.0	0.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	35.9	91.8	-55.9
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.7	-21.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	713	865	1.0	1.9	-0.9	
53		WARDHA-NIZAMABAD	D/C	0	1686	0.0	25.6	-25.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1014	0	15.9	0.0	15.9	
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	108	1.9	0.0	1.9	
						WR-SR	18.9	49.3	-30.4
TRANSNATIONAL EXCHANGE									
58		BHUTAN						25.0	
59		NEPAL						-4.9	
60		BANGLADESH						-22.3	