



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: 20th September 2017

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., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 19.09.2017.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-सितंबर-2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 19th September 2017, 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

20-Sep-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52467	43913	37101	19359	2490	155330
Peak Shortage (MW)	1761	11	0	351	195	2318
Energy Met (MU)	1186	972	816	405	47	3426
Hydro Gen(MU)	241	17	63	98	21	440
Wind Gen(MU)	7	59	173	-----	-----	239
Solar Gen (MU)*	11.28	13.34	28.10	0.29	0.01	53
Energy Shortage (MU)	24.5	0.0	0.0	1.1	1.4	27.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	52878	43110	36998	19203	2565	154221

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	0.00	2.66	2.66	75.98	21.35

C. Power Supply Position in States

Region/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	8815	0	189.3	93.1	1.2	204	0.0
	Haryana	8499	0	177.9	114.1	2.5	289	0.2
	Rajasthan	9863	0	215.5	74.4	1.7	318	0.0
	Delhi	5124	0	108.4	81.2	-1.2	251	0.0
	UP	16793	0	381.8	189.1	4.2	409	14.5
	Uttarakhand	1837	75	39.9	13.9	1.3	168	0.2
	HP	1340	0	27.0	9.2	1.1	111	0.0
	J&K	2056	514	40.4	22.7	4.2	460	9.6
WR	Chandigarh	272	0	5.5	5.8	-0.3	43	0.0
	Chhattisgarh	3463	0	79.9	22.9	-2.7	120	0.0
	Gujarat	13982	0	309.1	50.3	2.2	452	0.0
	MP	7971	0	169.4	102.3	1.1	490	0.0
	Maharashtra	17093	0	373.5	105.8	-1.7	274	0.0
	Goa	408	0	8.7	8.7	-0.2	60	0.0
	DD	334	0	7.4	6.4	1.0	94	0.0
	DNH	749	0	16.1	16.2	-0.1	56	0.0
SR	Essar steel	388	0	7.7	7.8	-0.1	168	0.0
	Andhra Pradesh	7077	0	153.0	24.9	2.4	510	0.0
	Telangana	7882	0	173.7	76.6	1.9	507	0.0
	Karnataka	6651	0	138.1	28.5	-6.0	399	0.0
	Kerala	3352	0	64.6	39.6	1.7	289	0.0
	Tamil Nadu	13528	0	279.5	114.6	3.0	443	0.0
	Pondy	348	0	7.3	7.4	-0.1	15	0.0
	ER	Bihar	4260	0	83.8	80.7	-3.7	220
DVC		2765	0	65.7	-28.1	0.9	225	0.0
Jharkhand		1118	0	24.7	15.6	1.7	85	0.0
Odisha		4054	0	84.8	33.3	4.6	230	0.9
West Bengal		7708	0	145.2	50.7	4.0	250	0.2
Sikkim		97	0	1.2	1.0	0.1	12	0.0
NER	Arunachal Pradesh	100	2	1.9	2.6	-0.7	5	0.0
	Assam	1608	115	30.6	22.8	2.5	161	1.2
	Manipur	146	3	1.9	2.3	-0.4	27	0.0
	Meghalaya	275	0	4.4	0.6	-0.2	61	0.0
	Mizoram	88	2	1.2	1.3	-0.2	23	0.0
	Nagaland	110	2	1.9	1.8	-0.1	27	0.0
	Tripura	233	2	4.8	4.2	0.3	25	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	31.1	-5.5	-15.0
Day peak (MW)	1368.6	-212.1	-654.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	266.4	-231.6	15.2	-50.8	-0.5	-1.4
Actual(MU)	268.5	-235.3	21.2	-51.0	-0.4	3.0
O/D/U/D(MU)	2.1	-3.7	6.0	-0.2	0.1	4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3215	14779	4850	2590	156	25590
State Sector	9215	16204	12162	4645	110	42336
Total	12430	30983	17012	7235	266	67926

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	595	1093	446	368	5	2507
Hydro	241	17	63	98	21	441
Nuclear	23	3	50	0	0	77
Gas, Naptha & Diesel	52	60	17	0	25	154
RES (Wind, Solar, Biomass & Others)	25	72	235	0	0	333
Total	936	1246	812	466	51	3511

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 20-Sep-17
Sl 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	0	242	0.0	6.0	-6.0
2		SASARAM-FATEHPUR	S/C	0	104	0.1	0.0	0.1
3		GAYA-BALIA	S/C	0	349	0.0	6.1	-6.1
4	HVDC	ALIPURDUAR-AGRA	-	0	385	0.0	14.2	-14.2
5		PUSAULI B/B	S/C	0	0	0.0	0.0	0.0
6	400 KV	PUSAULI-VARANASI	S/C	0	0	1.5	0.0	1.5
7		PUSAULI-ALLAHABAD	S/C	0	0	2.7	0.0	2.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	672	0.0	11.1	-11.1
9		PATNA-BALIA	Q/C	0	794	0.0	18.6	-18.6
10		BIHARSHARIFF-BALIA	D/C	0	267	0.0	4.1	-4.1
11		BARH-GORAKHPUR	D/C	0	0	3.8	0.0	3.8
12		BIHARSHARIFF-VARANASI	D/C	0	80	0.0	0.2	-0.2
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	4.7	-4.7
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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						8.5	65.0	-56.5
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	130	5.9	0.0	5.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	34	10.2	0.0	10.2
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	5	0.0	0.0	0.0
21		JHARSUGUDA-RAIGARH	S/C	0	27	2.5	0.0	2.5
22		IBEUL-RAIGARH	S/C	0	0	0.0	0.0	0.0
23		STERLITE-RAIGARH	D/C	0	0	6.9	0.0	6.9
24		RANCHI-SIPAT	D/C	0	0	7.0	0.0	7.0
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	75	0.0	0.6	-0.6
26		BUDHIPADAR-KORBA	D/C	0	0	3.9	0.0	3.9
ER-WR						36.4	0.6	35.8
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	13.3	-13.3
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	212.8	0.0	8.5	-8.5
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1290.2	0.0	11.5	-11.5
30	400 KV	TALCHER-I/C	D/C	0.0	1166.0	0.0	16.1	-16.1
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	33.3	-33.3
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1518	0.0	8.9	-9
33		ALIPURDUAR-BONGAIGAON	D/C	0	1246	0.0	3.3	-3
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2
ER-NER						0.0	14.3	-14.3
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.0	-17.0
NER-NR						0.0	17.0	-17.0
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3000	0.0	69.9	-69.9
37		V'CHAL B/B	D/C	300	100	3.1	0.6	2.5
38		APL -MHG	D/C	0	2519	0.0	53.1	-53.1
39	765 KV	GWALIOR-AGRA	D/C	0	2866	0.0	54.4	-54.4
40		PHAGI-GWALIOR	D/C	0	1290	0.0	24.2	-24.2
41	400 KV	ZERDA-KANKROLI	S/C	158	43	1.0	0.0	1.0
42		ZERDA -BHINMAL	S/C	60	184	0.0	0.6	-0.6
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	331	0	3	-3
45	220 KV	BADOD-KOTA	S/C	43	49	0.3	0.3	0.0
46		BADOD-MORAK	S/C	18	66	0.0	0.6	-0.5
47		MEHGAON-AURAIYA	S/C	75	0	0.8	0.0	0.8
48		MALANPUR-AURAIYA	S/C	31	11	0.0	0.0	0.0
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						5.3	206.5	-201.3
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	500	300	1.1	6.3	-5.3
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	1181	482	1181.0	0.0	1181.0
53		WARDHA-NIZAMABAD	D/C	0	1367	0.0	18.4	-18.4
54	400 KV	KOLHAPUR-KUDGI	D/C	849	0	15.1	0.0	15.1
55	220 KV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	73	0	2.0	0.0	2.0
WR-SR						1199.2	24.7	1174.4
TRANSNATIONAL EXCHANGE								
58		BHUTAN						31.1
59		NEPAL						-5.5
60		BANGLADESH						-15.0