



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: 21st 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 20.09.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-सितंबर-2017 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 20th 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

21-Sep-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53255	42123	39307	19531	2516	156732
Peak Shortage (MW)	2168	0	75	250	188	2681
Energy Met (MU)	1199	950	852	393	46	3439
Hydro Gen(MU)	241	19	86	101	23	470
Wind Gen(MU)	7	60	172	-----	-----	239
Solar Gen (MU)*	3.60	12.84	24.60	0.32	0.02	41
Energy Shortage (MU)	12.9	0.0	0.5	0.8	2.2	16.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	53723	42539	38969	19671	2634	156427

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	0.025	0.00	0.00	2.44	2.44	77.95	19.61

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	9043	0	199.8	93.0	0.9	133	0.0
	Haryana	8384	25	179.8	115.2	1.9	214	0.9
	Rajasthan	9752	0	204.5	68.8	2.3	319	0.0
	Delhi	5206	2	108.6	83.0	-1.5	151	0.0
	UP	17255	0	392.3	192.5	1.6	428	1.6
	Uttarakhand	1937	75	40.7	12.7	2.6	233	0.9
	HP	1369	0	27.6	10.2	1.2	139	0.0
	J&K	2113	528	39.9	19.9	3.6	450	9.4
WR	Chandigarh	270	0	5.4	5.5	0.0	42	0.0
	Chhattisgarh	3292	0	73.1	16.9	-2.7	198	0.0
	Gujarat	14101	0	314.0	53.4	1.9	324	0.0
	MP	7488	0	164.1	99.3	-0.1	429	0.0
	Maharashtra	16376	0	359.9	98.3	-1.7	597	0.0
	Goa	408	0	8.7	8.7	-0.2	42	0.0
	DD	330	0	7.4	6.5	0.9	59	0.0
SR	DNH	718	0	15.4	15.3	0.1	56	0.0
	Essar steel	443	0	7.4	8.0	-0.6	157	0.0
	Andhra Pradesh	7076	0	162.5	28.5	3.4	470	0.0
	Telangana	8473	0	182.6	76.4	2.6	428	0.0
	Karnataka	7555	0	145.5	24.6	0.9	468	0.0
	Kerala	3412	75	65.4	39.6	1.6	294	0.5
ER	Tamil Nadu	14028	0	288.2	123.7	1.4	466	0.0
	Pondy	356	0	7.5	7.7	-0.2	27	0.0
	Bihar	4080	0	73.7	71.8	-5.0	365	0.8
	DVC	2771	0	67.5	-27.4	1.1	385	0.0
	Jharkhand	1104	0	22.4	16.8	-0.6	135	0.0
NER	Odisha	4260	0	84.4	36.4	4.1	415	0.0
	West Bengal	8055	0	143.4	52.1	3.2	465	0.0
	Sikkim	90	0	1.5	1.4	0.1	20	0.0
	Arunachal Pradesh	121	1	2.3	2.6	-0.3	7	0.0
	Assam	1618	101	28.8	22.2	1.7	161	1.9
	Manipur	146	2	1.8	2.1	-0.3	27	0.1
	Meghalaya	273	0	5.3	-0.2	0.0	61	0.0
NER	Mizoram	79	5	1.3	1.3	-0.1	23	0.1
	Nagaland	111	3	2.1	1.9	0.0	27	0.0
	Tripura	238	6	4.0	4.0	-0.4	25	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.3	-4.6	-14.9
Day peak (MW)	1699.4	-266.9	-662.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	268.2	-224.4	11.2	-52.9	-1.4	0.8
Actual(MU)	264.9	-235.7	18.6	-49.8	-2.5	-4.4
O/D/U/D(MU)	-3.3	-11.3	7.4	3.1	-1.1	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3304	16586	4850	2380	106	27226
State Sector	9215	16414	11412	4435	110	41586
Total	12519	33000	16262	6815	216	68812

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	619	1062	455	365	5	2507
Hydro	241	20	86	101	23	470
Nuclear	23	3	50	0	0	77
Gas, Naptha & Diesel	54	58	17	0	24	153
RES (Wind, Solar, Biomass & Others)	16	73	232	0	0	321
Total	953	1216	841	467	52	3529

*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 : 21-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	280	0.0	7.3	-7.3
2		SASARAM-FATEHPUR	S/C	0	162	0.0	0.8	-0.8
3		GAYA-BALIA	S/C	0	374	0.0	6.3	-6.3
4	HVDC	ALIPURDUAR-AGRA	-	0	390	0.0	15.5	-15.5
5		PUSAULI B/B	S/C	0	247	0.0	0.0	0.0
6	400 KV	PUSAULI-VARANASI	S/C	0	216	0.4	0.0	0.4
7		PUSAULI-ALLAHABAD	S/C	0	58	2.3	0.0	2.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	822	0.0	14.4	-14.4
9		PATNA-BALIA	Q/C	0	887	0.0	16.0	-16.0
10		BIHARSHARIFF-BALIA	D/C	0	350	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	0	3.3	0.0	3.3
12		BIHARSHARIFF-VARANASI	D/C	0	0	0.0	1.4	-1.4
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	5.2	-5.2
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.7	0.0	0.7
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						6.6	72.6	-65.9
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	59	9.9	0.0	9.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	95	10.4	0.0	10.4
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	5	0.0	0.0	0.0
21		JHARSUGUDA-RAIGARH	S/C	0	0	3.7	0.0	3.7
22		IBEUL-RAIGARH	S/C	0	0	0.0	0.0	0.0
23		STERLITE-RAIGARH	D/C	0	0	7.5	0.0	7.5
24		RANCHI-SIPAT	D/C	0	0	8.8	0.0	8.8
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	53	0.8	0.0	0.8
26		BUDHIPADAR-KORBA	D/C	0	0	4.6	0.0	4.6
ER-WR						45.6	0.0	45.6
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	15.1	-15.1
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	357.3	0.0	11.6	-11.6
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2006.2	0.0	20.3	-20.3
30	400 KV	TALCHER-I/C	D/C	0.0	1127.8	0.0	14.4	-14.4
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	47.1	-47.1
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1562	0.0	8.0	-8
33		ALIPURDUAR-BONGAIGAON	D/C	0	1288	0.0	1.9	-2
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2
ER-NER						0.0	11.8	-11.8
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.8	-16.8
NER-NR						0.0	16.8	-16.8
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3000	0.0	61.1	-61.1
37		V'CHAL B/B	D/C	500	0	8.1	0.0	8.1
38		APL -MHG	D/C	0	2442	0.0	51.6	-51.6
39	765 KV	GWALIOR-AGRA	D/C	0	2768	0.0	54.0	-54.0
40		PHAGI-GWALIOR	D/C	0	1330	0.0	25.2	-25.2
41	400 KV	ZERDA-KANKROLI	S/C	146	53	1.1	0.0	1.1
42		ZERDA -BHINMAL	S/C	89	113	0.0	0.5	-0.5
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	309	0	3	-3
45	220 KV	BADOD-KOTA	S/C	36	58	0.4	0.2	0.2
46		BADOD-MORAK	S/C	18	67	0.0	0.6	-0.6
47		MEHGAON-AURAIYA	S/C	164	0	1.8	0.0	1.8
48		MALANPUR-AURAIYA	S/C	26	51	0.2	0.2	0.0
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						11.7	196.0	-184.4
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	1000	0	11.0	0.0	11.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	1070	669	1070.0	0.0	1070.0
53		WARDHA-NIZAMABAD	D/C	0	1741	0.0	28.2	-28.2
54	400 KV	KOLHAPUR-KUDGI	D/C	936	0	14.2	0.0	14.2
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						1097.2	28.2	1069.0
TRANSNATIONAL EXCHANGE								
58		BHUTAN						36.3
59		NEPAL						-4.6
60		BANGLADESH						-14.9