



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: 29th 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., डोंगतेह, 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 28.09.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th September 2017, is available at the NLDC website.

धन्यवाद,



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

Report for previous day

Date of Reporting

29-Sep-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49487	45966	35428	18419	2410	151710
Peak Shortage (MW)	1885	22	0	0	151	2058
Energy Met (MU)	1091	1073	799	400	47	3410
Hydro Gen(MU)	250	27	86	96	24	483
Wind Gen(MU)	10	22	87	-----	-----	119
Solar Gen (MU)*	4.17	15.03	23.30	0.56	0.02	43
Energy Shortage (MU)	20.6	7.7	0.0	0.0	1.2	29.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	50356	46616	35389	19003	2505	151877

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	0.037	0.00	0.17	9.95	10.13	84.40	5.47

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	8220	0	185.7	92.2	0.2	153	0.0
	Haryana	7211	175	146.2	100.4	3.0	452	1.7
	Rajasthan	8909	183	192.2	77.8	4.9	473	7.8
	Delhi	4809	0	100.7	80.3	-0.1	167	0.0
	UP	16289	0	353.4	148.9	1.3	330	0.1
	Uttarakhand	1913	0	39.4	9.9	0.1	143	0.0
	HP	1389	0	25.9	3.8	1.4	162	1.0
	J&K	2112	528	42.7	26.7	2.4	277	10.1
	Chandigarh	240	0	4.9	4.9	0.0	44	0.0
	Chhattisgarh	3741	0	87.3	28.1	-0.7	260	0.3
WR	Gujarat	15892	0	349.2	69.1	1.1	726	0.0
	MP	8186	0	182.0	106.8	4.5	532	0.0
	Maharashtra	18410	780	415.3	125.1	1.5	451	7.5
	Goa	399	0	8.9	8.9	-0.3	51	0.0
	DD	325	0	7.4	6.4	1.0	56	0.0
	DNH	771	0	17.6	16.9	0.7	65	0.0
	Essar steel	98	0	5.6	6.3	-0.6	133	0.0
	Andhra Pradesh	6972	0	148.2	54.8	2.1	811	0.0
	Telangana	8097	0	168.7	63.2	-1.5	319	0.0
	Karnataka	6480	0	136.2	45.4	1.5	393	0.0
SR	Kerala	3321	0	65.6	37.2	1.4	170	0.0
	Tamil Nadu	12753	0	273.5	106.6	2.1	599	0.0
	Pondy	333	0	7.0	7.3	-0.3	22	0.0
	Bihar	4581	0	98.4	84.6	-0.5	300	0.0
	DVC	2828	0	64.4	-19.5	1.3	200	0.0
	Jharkhand	1124	0	24.1	16.1	0.2	100	0.0
	Odisha	4170	0	85.0	39.6	-0.8	100	0.0
	West Bengal	7109	0	126.8	29.3	-2.8	50	0.0
	Sikkim	83	0	1.2	1.2	-0.1	0	0.0
	NER	Arumachal Pradesh	120	2	2.2	2.5	-0.3	3
Assam		1522	94	29.6	24.4	0.0	164	0.9
Manipur		140	1	2.3	2.3	-0.1	38	0.1
Meghalaya		255	0	5.3	-1.1	0.5	69	0.0
Mizoram		76	0	1.2	1.3	-0.1	12	0.1
Nagaland		104	2	2.0	1.9	0.0	25	0.0
Tripura		240	4	4.6	4.4	-0.9	85	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	28.5	-4.6	-14.4
Day peak (MW)	1230.0	-330.8	-626.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	191.7	-172.3	36.4	-54.2	0.7	2.4
Actual(MU)	194.1	-167.7	27.3	-47.9	-2.3	3.4
O/D/U/D(MU)	2.3	4.5	-9.1	6.3	-3.0	1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2548	18354	4600	1720	56	27278
State Sector	11700	14545	11112	5935	50	43342
Total	14248	32899	15712	7655	106	70620

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	568	1139	487	380	5	2578
Hydro	250	27	86	96	24	483
Nuclear	29	3	37	0	0	70
Gas, Naptha & Diesel	49	72	17	0	25	162
RES (Wind, Solar, Biomass & Others)	23	37	148	1	0	208
Total	919	1278	776	476	53	3502

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

सचिव (ऊर्जा)/संयुक्त सचिव (परिषद्) / (ओ एम) / निदेशक (ओ एम) / मुख्य अभियंता, के० वि० प्रा० (ग्रिड) /
मुख्य कार्यपालक अधिकारी (पोसोको), सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 29-Sep-17
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import-(+ve) /Export =(-ve) for NET (MU)
								NET (MU)
Import/Export of ER (With NR)								
1	765KV	GAYA-VARANASI	D/C	0	213	0.0	7.9	-7.9
2		SASARAM-FATEHPUR	S/C	0	0	3.3	0.0	3.3
3		GAYA-BALIA	S/C	0	312	0.0	5.2	-5.2
4	HVDC	ALIPURDUAR-AGRA	-	0	246	0.0	9.7	-9.7
5		PUSAULI B/B	S/C	0	247	0.0	5.9	-5.9
6	400 KV	PUSAULI-VARANASI	S/C	0	211	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	633	0.0	12.1	-12.1
9		PATNA-BALIA	Q/C	0	900	0.0	15.5	-15.5
10		BIHARSHARIFF-BALIA	D/C	0	242	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.0	0.0	4.0
12	BIHARSHARIFF-VARANASI	D/C	0	0	0.3	0.0	0.3	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	5.3	-5.3
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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						8.1	65.5	-57.3
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	33	5.6	0.0	5.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	89	7.5	0.0	7.5
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	24	0.0	1.6	-1.6
21		JHARSUGUDA-RAIGARH	S/C	0	18	1.4	0.0	1.4
22		IBEUL-RAIGARH	S/C	0	0	1.3	0.0	1.3
23		STERLITE-RAIGARH	D/C	0	0	6.2	0.0	6.2
24		RANCHI-SIPAT	D/C	0	18	7.2	0.0	7.2
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	107	0.6	0.0	0.6
26		BUDHIPADAR-KORBA	D/C	0	0	1.4	1.2	0.3
ER-WR						31.3	2.8	28.5
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.2	-14.2
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	210.7	0.0	8.9	-8.9
29		TALCHER-KOLAR BIPOLE	D/C	0.0	831.8	0.0	19.0	-19.0
30	400 KV	TALCHER-I/C	D/C	0.0	846.2	0.0	13.9	-13.9
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	42.1	-42.1
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1084	0.0	6.6	-7
33		ALIPURDUAR-BONGAIGAON	D/C	0	894	0.0	3.1	-3
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2
ER-NER						0.0	11.8	-11.8
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.1	-16.1
NER-NR						0.0	16.1	-16.1
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	27.3	-27.3
37		VCHAL B/B	D/C	500	0	12.2	0.0	12.2
38		APL -MHG	D/C	0	1513	0.0	36.3	-36.3
39	765 KV	GWALIOR-AGRA	D/C	0	2424	0.0	44.6	-44.6
40		PHAGI-GWALIOR	D/C	0	1382	0.0	26.4	-26.4
41	400 KV	ZERDA-KANKROLI	S/C	139	11	1.9	0.0	1.9
42		ZERDA -BHINMAL	S/C	159	89	0.8	0.0	0.8
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	290	0	3	-3
45	220 KV	BADOD-KOTA	S/C	39	34	0.2	0.3	0.0
46		BADOD-MORAK	S/C	13	86	0.1	0.6	-0.5
47		MEHGAON-AURAIYA	S/C	93	0	1.3	0.0	1.3
48		MALANPUR-AURAIYA	S/C	56	0	0.6	0.0	0.6
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						17.2	137.9	-120.7
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	200	0.0	4.8	-4.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	283	634	283.0	3.3	279.7
53		WARDHA-NIZAMABAD	D/C	0	1352	0.0	22.4	-22.4
54	400 KV	KOLHAPUR-KUDGI	D/C	514	0	9.4	0.0	9.4
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 KV	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						294.4	30.5	264.0
TRANSNATIONAL EXCHANGE								
58		BHUTAN						28.5
59		NEPAL						-4.6
60		BANGLADESH						-14.4