



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: 22st 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 21.09.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21th 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

22-Sep-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52784	42805	40186	20166	2573	158515
Peak Shortage (MW)	1072	30	0	720	164	1986
Energy Met (MU)	1183	947	880	401	47	3459
Hydro Gen(MU)	241	19	99	110	23	492
Wind Gen(MU)	8	52	142	-----	-----	201
Solar Gen (MU)*	11.01	7.98	28.90	0.42	0.02	48
Energy Shortage (MU)	10.3	0.1	0.0	2.2	1.3	13.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	52920	42645	40851	20324	2871	158531

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	0.045	0.00	0.27	13.72	13.98	80.42	5.60

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	8919	0	192.6	94.7	-0.2	139	0.0
	Haryana	8292	0	179.4	115.5	1.7	187	0.0
	Rajasthan	9721	0	215.9	72.7	1.8	312	0.0
	Delhi	5258	0	109.4	83.4	-1.4	110	0.1
	UP	16492	0	369.8	178.9	-1.8	231	0.0
	Uttarakhand	1972	0	40.9	13.3	1.0	144	0.1
	HP	1404	0	27.8	10.2	1.0	140	0.0
	J&K	2186	547	42.4	22.5	2.4	346	10.1
WR	Chandigarh	249	0	5.2	5.6	-0.4	3	0.0
	Chhattisgarh	3528	95	75.9	18.5	-1.8	259	0.1
	Gujarat	14756	0	321.0	52.8	0.3	330	0.0
	MP	6941	0	146.4	89.3	-3.4	326	0.0
	Maharashtra	16728	0	361.4	103.4	-3.9	305	0.0
	Goa	449	0	9.1	8.7	0.2	32	0.0
	DD	327	0	7.4	6.5	0.9	79	0.0
	DNH	754	0	17.2	16.6	0.6	96	0.0
SR	Essar steel	402	0	8.4	7.7	0.7	144	0.0
	Andhra Pradesh	7450	0	164.7	42.8	2.2	681	0.0
	Telangana	8448	0	184.5	67.3	0.1	282	0.0
	Karnataka	7687	0	159.8	41.5	1.5	567	0.0
	Kerala	3324	0	65.0	36.6	1.2	226	0.0
	Tamil Nadu	14072	0	305.3	129.4	2.8	624	0.0
	Pondy	359	0	7.5	7.7	-0.2	25	0.0
	ER	Bihar	4204	0	74.8	71.9	-3.5	356
DVC		2784	200	65.9	-22.7	-0.2	378	0.7
Jharkhand		1252	0	23.5	18.0	0.8	185	0.4
Odisha		4401	200	90.5	40.8	1.2	302	0.6
West Bengal		8233	0	145.2	49.1	2.9	412	0.0
NER	Sikkim	87	0	1.6	1.5	0.1	20	0.0
	Arunachal Pradesh	127	8	2.2	2.5	-0.3	7	0.1
	Assam	1640	118	30.3	22.7	2.8	161	1.0
	Manipur	133	5	2.2	2.1	0.1	27	0.1
	Meghalaya	265	0	4.5	-1.2	-0.1	61	0.0
	Mizoram	72	1	1.3	1.2	0.1	23	0.1
	Nagaland	106	4	2.1	1.9	0.1	27	0.1
Tripura	255	3	4.2	5.6	0.1	25	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.9	-4.7	-14.8
Day peak (MW)	1504.9	-330.5	-655.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	267.8	-213.9	8.2	-61.5	-0.4	0.2
Actual(MU)	277.2	-229.8	12.5	-62.9	1.2	-1.8
O/D/U/D(MU)	9.4	-16.0	4.3	-1.3	1.6	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3897	17259	5050	2380	56	28643
State Sector	9215	15749	11202	6765	110	43041
Total	13112	33008	16252	9145	166	71684

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	607	1068	500	381	5	2561
Hydro	241	19	99	110	23	492
Nuclear	23	3	50	0	0	77
Gas, Naptha & Diesel	41	55	18	0	22	135
RES (Wind, Solar, Biomass & Others)	25	60	206	0	0	291
Total	937	1206	873	491	50	3556

*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 : 22-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	240	0.0	7.9	-7.9
2		SASARAM-FATEHPUR	S/C	0	64	1.4	0.0	1.4
3		GAYA-BALIA	S/C	0	354	0.0	6.1	-6.1
4	HVDC	ALIPURDUAR-AGRA	-	0	246	0.0	9.0	-9.0
5		PUSAULI B/B	S/C	0	248	0.0	6.0	-6.0
6	400 KV	PUSAULI-VARANASI	S/C	0	207	0.0	0.0	0.0
7		PUSAULI-ALLAHABAD	S/C	0	83	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	874	0.0	14.5	-14.5
9		PATNA-BALIA	Q/C	0	1122	0.0	20.3	-20.3
10		BIHARSHARIFF-BALIA	D/C	0	311	0.0	4.7	-4.7
11		MOTIHARI-GORAKHPUR	D/C	0	0	3.2	0.0	3.2
12		BIHARSHARIFF-VARANASI	D/C	0	0	0.0	1.1	-1.1
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						5.3	74.9	-69.6
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	192	6.2	0.0	6.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	35	6.8	0.0	6.8
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	7	0.0	0.0	0.0
21		JHARSUGUDA-RAIGARH	S/C	0	31	1.7	0.0	1.7
22		IBEUL-RAIGARH	S/C	0	0	0.0	0.0	0.0
23		STERLITE-RAIGARH	D/C	0	0	7.2	0.0	7.2
24		RANCHI-SIPAT	D/C	0	0	6.2	0.0	6.2
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	19	0.7	0.0	0.7
26		BUDHIPADAR-KORBA	D/C	0	0	4.8	0.0	4.8
ER-WR						33.5	0.0	33.5
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	13.9	-13.9
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	270.0	0.0	11.0	-11.0
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1808.5	0.0	18.1	-18.1
30	400 KV	TALCHER-I/C	D/C	0.0	1435.6	0.0	17.3	-17.3
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	43.0	-43.0
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1608	0.0	7.8	-8
33		ALIPURDUAR-BONGAIGAON	D/C	0	1295	0.0	4.7	-5
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.3	-2
ER-NER						0.0	14.8	-14.8
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.8	-15.8
NER-NR						0.0	15.8	-15.8
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2500	0.0	57.5	-57.5
37		V'CHAL B/B	D/C	500	0	11.5	0.0	11.5
38		APL -MHG	D/C	0	2317	0.0	55.6	-55.6
39	765 KV	GWALIOR-AGRA	D/C	0	2702	0.0	54.1	-54.1
40		PHAGI-GWALIOR	D/C	0	1262	0.0	26.2	-26.2
41	400 KV	ZERDA-KANKROLI	S/C	130	40	1.5	0.0	1.5
42		ZERDA -BHINMAL	S/C	113	93	0.0	0.0	0.0
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	328	0	3	-3
45		BADOD-KOTA	S/C	24	15	0.1	0.1	0.0
46	220 KV	BADOD-MORAK	S/C	0	36	0.0	0.5	-0.5
47		MEHGAON-AURAIYA	S/C	43	9	0.4	0.0	0.4
48		MALANPUR-AURAIYA	S/C	8	30	0.0	0.4	-0.3
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						13.6	197.8	-184.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	500	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	661	659	661.0	2.6	658.4
53		WARDHA-NIZAMABAD	D/C	0	1314	0.0	24.8	-24.8
54	400 KV	KOLHAPUR-KUDGI	D/C	866	0	12.9	0.0	12.9
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						686.9	27.4	659.5
TRANSNATIONAL EXCHANGE								
58		BHUTAN						36.9
59		NEPAL						-4.7
60		BANGLADESH						-14.8