



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: 22nd Oct 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 21.10.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-अक्टूबर-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 21st October 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-Oct-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40774	38732	35575	18864	1797	135742
Peak Shortage (MW)	1618	60	15	0	149	1842
Energy Met (MU)	888	910	789	359	36	2982
Hydro Gen(MU)	150	16	85	73	21	346
Wind Gen(MU)	5	36	41	-----	-----	81
Solar Gen (MU)*	3.05	14.12	27.50	0.51	0.00	45
Energy Shortage (MU)	25.1	0.0	0.0	0.0	1.6	26.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	42028	38964	36743	19465	1839	138423

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	0.035	0.00	0.00	8.97	8.97	85.28	5.75

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	5907	0	118.3	53.4	-0.6	174	0.0
	Haryana	5870	100	120.6	82.9	2.0	256	0.1
	Rajasthan	8985	0	188.3	60.8	1.3	441	0.0
	Delhi	3472	0	73.2	59.8	0.1	107	0.0
	UP	13572	253	305.8	127.3	3.7	640	16.1
	Uttarakhand	1588	0	28.4	12.5	-0.2	104	0.0
	HP	1070	0	12.3	8.1	0.5	144	0.0
	J&K	1913	478	37.7	31.7	-1.6	92	8.9
WR	Chandigarh	184	0	3.3	4.2	-0.9	0	0.0
	Chhattisgarh	3440	0	76.7	25.4	-0.8	105	0.0
	Gujarat	10391	0	238.0	71.1	-1.2	693	0.0
	MP	9663	0	211.4	143.6	1.1	563	0.0
	Maharashtra	15638	0	347.7	105.0	4.7	317	0.0
	Goa	460	0	9.2	9.4	-0.2	49	0.0
	DD	207	0	4.4	3.5	0.9	37	0.0
	DNH	644	0	13.8	13.0	0.8	82	0.0
SR	Essar steel	466	0	8.9	9.1	-0.2	177	0.0
	Andhra Pradesh	7041	0	152.8	59.7	1.4	436	0.0
	Telangana	7381	0	158.6	57.9	-0.3	305	0.0
	Karnataka	7059	0	138.5	50.8	1.2	494	0.0
	Kerala	3345	0	66.2	43.0	1.2	193	0.0
	Tamil Nadu	12267	0	265.0	137.7	2.5	423	0.0
	Pondy	353	0	7.4	7.3	0.1	54	0.0
	ER	Bihar	4380	0	73.3	66.5	-1.5	150
DVC		2998	0	62.8	-18.9	0.3	150	0.0
Jharkhand		1160	0	19.7	11.1	-1.5	50	0.0
Odisha		4547	0	85.2	40.8	3.9	200	0.0
West Bengal		6753	0	117.1	29.9	0.6	250	0.0
Sikkim		67	0	1.0	1.3	-0.4	10	0.0
NER	Arunachal Pradesh	108	0	2.3	2.2	0.1	7	0.1
	Assam	1061	0	20.6	17.4	-2.1	141	0.8
	Manipur	142	1	2.5	2.5	0.0	20	0.1
	Meghalaya	193	0	4.5	-0.5	-1.1	126	0.0
	Mizoram	82	1	1.2	1.3	-0.2	15	0.1
	Nagaland	105	0	2.5	1.8	0.1	23	0.1
	Tripura	185	69	2.3	2.7	-1.8	90	0.5

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.2	-1.7	-8.9
Day peak (MW)	849.2	-208.3	-573.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.6	-159.9	41.2	-49.2	-1.1	2.6
Actual(MU)	168.8	-159.8	48.0	-51.6	-8.7	-3.3
O/D/U/D(MU)	-2.8	0.1	6.8	-2.4	-7.6	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3396	16191	4560	1490	191	25828
State Sector	12610	20933	11582	7025	50	52200
Total	16006	37124	16142	8515	240	78028

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	513	982	504	347	4	2349
Hydro	150	16	85	73	21	346
Nuclear	33	16	40	0	0	89
Gas, Naptha & Diesel	31	47	18	0	22	117
RES (Wind, Solar, Biomass & Others)	9	50	100	1	0	160
Total	735	1110	748	421	47	3061

*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(ग्रि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 22-Oct-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	254	0.0	4.2	-4.2
2		SASARAM-FATEHPUR	S/C	0	72	1.2	0.0	1.2
3		GAYA-BALIA	S/C	0	288	0.0	4.5	-4.5
4	HVDC	ALIPURDUAR-AGRA	-	0	299	0.0	11.9	-11.9
5		PUSAULI B/B	S/C	0	95	0.0	2.5	-2.5
6	400 KV	PUSAULI-VARANASI	S/C	0	137	0.0	0.0	0.0
7		PUSAULI-ALLAHABAD	S/C	0	35	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	710	0.0	12.8	-12.8
9		PATNA-BALIA	Q/C	0	1004	0.0	17.0	-17.0
10		BIHARSHARIFF-BALIA	D/C	0	228	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	0	3.8	0.0	3.8
12		BIHARSHARIFF-VARANASI	D/C	0	0	0.0	1.1	-1.1
13	220 KV	PUSAULI-SAHUPURI	S/C	0	186	0.0	3.2	-3.2
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.4	0.0	0.4
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						5.4	61.2	-55.8
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	7.2	0.0	7.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	128	3.2	0.0	3.2
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	12	1.6	0.0	1.6
21		JHARSUGUDA-RAIGARH	S/C	0	0	1.5	0.0	1.5
22		IBEUL-RAIGARH	S/C	0	0	1.4	0.0	1.4
23		STERLITE-RAIGARH	D/C	0	0	4.8	0.0	4.8
24		RANCHI-SIPAT	D/C	0	0	6.6	0.0	6.6
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	82	0.0	0.5	-0.5
26		BUDHIPADAR-KORBA	D/C	0	0	1.8	0.0	1.8
ER-WR						28.2	0.5	27.8
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	17.5	-17.5
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	251.6	0.0	9.6	-9.6
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1620.1	0.0	24.3	-24.3
30	400 KV	TALCHER-I/C	D/C	0.0	575.8	0.0	6.8	-6.8
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	51.3	-51.3
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	970	0.0	3.2	-3
33		ALIPURDUAR-BONGAIGAON	D/C	0	817	0.0	0.9	-1
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.1	-1
ER-NER						0.0	5.2	-5.2
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	1000	0.0	17.9	-17.9
37		V'CHAL B/B	D/C	400	0	7.5	0.0	7.5
38		APL -MHG	D/C	0	1412	0.0	33.9	-33.9
39	765 KV	GWALIOR-AGRA	D/C	0	2050	0.0	40.8	-40.8
40		PHAGI-GWALIOR	D/C	0	964	0.0	17.3	-17.3
41	400 KV	ZERDA-KANKROLI	S/C	191	0	3.1	0.0	3.1
42		ZERDA -BHINMAL	S/C	184	48	1.2	0.0	1.2
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	216	0	2	-2
45	220 KV	BADOD-KOTA	S/C	108	0	1.8	0.0	1.8
46		BADOD-MORAK	S/C	48	26	0.6	0.0	0.6
47		MEHGAON-AURAIYA	S/C	65	0	0.3	0.0	0.3
48		MALANPUR-AURAIYA	S/C	27	4	1.1	0.0	1.1
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						15.5	111.5	-95.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	300	100	1.4	2.3	-0.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	47	1098	0.0	12.8	-12.8
53		WARDHA-NIZAMABAD	D/C	0	1461	0.0	24.6	-24.6
54	400 KV	KOLHAPUR-KUDGI	D/C	563	0	8.3	0.0	8.3
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						11.7	39.6	-27.9
TRANSNATIONAL EXCHANGE								
58		BHUTAN						20.2
59		NEPAL						-1.7
60		BANGLADESH						-8.9