



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: 5th Oct 2018

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, लापालंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 04.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-अक्टूबर-2018 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 04th October 2018, 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

5-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	48161	51209	41514	22004	2700	165588
Peak Shortage (MW)	1333	0	10	855	89	2287
Energy Met (MU)	1113	1247	931	475	47	3813
Hydro Gen (MU)	231	36	107	106	22	502
Wind Gen (MU)	8	142	29	-----	-----	179
Solar Gen (MU)*	22.82	19.35	52.32	0.53	0.02	95
Energy Shortage (MU)	17.3	0.0	0.0	2.6	0.9	20.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51193 19:24	55032 11:28	41412 18:55	22006 19:01	2711 18:52	169250 18:58

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	9.16	9.16	83.98	6.86

C. Power Supply Position in States

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	7354	0	174.7	41.4	-0.6	89	0.0	
	Haryana	7723	50	154.4	93.0	1.8	331	0.6	
	Rajasthan	9782	0	217.7	39.1	2.1	627	0.0	
	Delhi	4612	0	98.7	66.5	-0.4	212	0.2	
	UP	15764	1090	359.6	126.2	2.3	295	6.1	
	Uttarakhand	1926	0	38.4	11.7	0.5	117	0.2	
	HP	1399	0	26.1	4.8	1.5	171	1.0	
	J&K	2205	551	39.3	30.7	-4.5	206	9.3	
	Chandigarh	217	0	4.2	4.3	-0.1	26	0.0	
	WR	Chhattisgarh	4382	0	103.7	32.3	1.1	329	0.0
Gujarat		17822	0	401.6	140.1	1.0	611	0.0	
MP		9661	0	213.7	108.6	-2.1	520	0.0	
Maharashtra		22236	0	485.8	177.0	1.8	589	0.0	
Goa		485	0	13.2	9.9	-0.1	84	0.0	
DD		318	0	6.9	5.7	1.1	81	0.0	
DNH		727	0	16.4	15.6	0.8	153	0.0	
Essar steel		361	0	5.9	5.8	0.1	255	0.0	
SR		Andhra Pradesh	8277	0	188.6	58.9	2.9	1010	0.0
		Telangana	10342	0	218.0	102.4	1.4	922	0.0
	Karnataka	8794	0	183.1	19.2	0.9	491	0.0	
	Kerala	3366	0	66.9	36.9	0.6	248	0.0	
	Tamil Nadu	13175	0	268.2	156.4	2.1	600	0.0	
	Pondy	317	10	6.6	6.6	0.0	50	0.0	
ER	Bihar	4837	0	98.4	96.6	-0.8	30	0.0	
	DVC	2680	1	55.5	-24.5	6.2	440	0.8	
	Jharkhand	1000	0	22.4	16.4	-0.3	100	0.0	
	Odisha	5464	2	115.8	42.4	8.7	752	1.8	
	West Bengal	8906	0	181.9	65.2	4.7	266	0.0	
	Sikkim	90	0	1.2	1.2	0.0	15	0.0	
NER	Arunachal Pradesh	122	3	2.3	2.2	0.0	136	0.0	
	Assam	1750	52	29.3	23.3	1.6	193	0.8	
	Manipur	165	7	2.2	2.3	-0.1	24	0.0	
	Meghalaya	297	0	5.0	2.1	0.0	36	0.0	
	Mizoram	88	3	1.6	0.7	0.6	4	0.0	
	Nagaland	111	1	2.3	1.8	0.1	10	0.0	
	Tripura	263	5	4.2	4.3	-0.4	74	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.0	-3.9	-21.9
Day peak (MW)	794.7	-186.0	-971.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	84.7	-141.6	72.5	-13.3	-1.2	1.2
Actual(MU)	64.4	-159.6	81.8	13.6	-0.3	-0.1
O/D/U/D(MU)	-20.3	-18.0	9.3	26.9	0.9	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2838	13723	6562	2760	335	26217
State Sector	5565	12482	7560	6575	50	32232
Total	8403	26205	14122	9335	384	58449

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	697	1115	570	366	5	2753
Hydro	231	36	107	106	22	502
Nuclear	23	20	32	0	0	75
Gas, Naptha & Diesel	67	91	25	0	24	207
RES (Wind, Solar, Biomass & Others)	50	162	123	1	0	336
Total	1068	1425	857	472	52	3873

Share of RES in total generation (%)	4.69	11.38	14.36	0.12	0.08	8.67
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.47	15.34	30.57	22.52	42.11	23.56

H. Diversity Factor

All India Demand Diversity Factor	1.018
-----------------------------------	-------

Diversity factor = Sum of regional maximum demands / All India maximum demand

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

INTER-REGIONAL EXCHANGES

Date of Reporting : 5-Oct-18

Import=(+ve)
/Export =(-ve)
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	656	0	9.6	0.0	9.6
2		SASARAM-FATEHPUR	S/C	595	0	9.6	0.0	9.6
3		GAYA-BALIA	S/C	96	47	0.2	0.0	0.2
4		ALIPURDUAR-AGRA	-	0	801	0.0	8.6	-8.6
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	356	0.0	7.6	-7.6
7		PUSAULI -ALLAHABAD	S/C	0	122	0.0	1.9	-1.9
8		MUZAFFARPUR-GORAKHPUR	D/C	455	349	0.9	0.0	0.9
9		PATNA-BALIA	Q/C	316	542	0.0	3.7	-3.7
10		BIHARSHARIFF-BALIA	D/C	197	15	2.3	0.0	2.3
11		MOTIHARI-GORAKHPUR	D/C	214	149	0.0	0.1	-0.1
12		BIHARSHARIFF-VARANASI	D/C	524	0	8.0	0.0	8.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	207	0.0	4.0	-4.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	35	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						31.3	35.7	-4.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1569	0	30.9	0.0	30.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	829	19	10.7	0.0	10.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1056	0	19.5	0.0	19.5
21		RANCHI-SIPAT	D/C	509	0	8.1	0.0	8.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	293	0	5.5	0.0	5.5
ER-WR						74.7	0.0	74.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1544.0	0.0	25.8	-25.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	360.0	0.0	8.5	-8.5
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1461.0	0.0	32.6	-32.6
27	400 kV	TALCHER-I/C	D/C	0.0	1036.0	0.0	15.3	-15.3
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	66.9	-66.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	877	416	0.0	8.5	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	384	0.0	4.8	-5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.8	-2
ER-NER						0.0	15.0	-15.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.9	-16.9
NER-NR						0.0	16.9	-16.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1402	0.0	24.2	-24.2
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1454	0.0	19.4	-19.4
36		GWALIOR-AGRA	D/C	0	715	0.0	14.1	-14.1
37	765 kV	PHAGI-GWALIOR	D/C	0	895	0.0	8.3	-8.3
38		JABALPUR-ORAI	D/C	305	113	0.0	1.3	-1.3
39		GWALIOR-ORAI	S/C	365	0	6.6	0.0	6.6
40		SATNA-ORAI	S/C	0	1406	0.0	32.1	-32.1
41	400 kV	ZERDA-KANKROLI	S/C	539	0	10.8	0.0	10.8
42		ZERDA -BHINMAL	S/C	398	0	7.6	0.0	7.6
43		V'CHAL -RIHAND	S/C	481	31	9.5	0.0	9.5
44		RAPP-SHUJALPUR	D/C	398	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	95	0	3.1	0.0	3.1
46		BADOD-MORAK	S/C	102	0	0.6	0.0	0.6
47		MEHGAON-AURAIYA	S/C	160	0	2.8	0.0	2.8
48	132kV	MALANPUR-AURAIYA	S/C	121	0	2.0	0.0	2.0
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						52.2	99.4	-47.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.6	-23.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1152	781	0.0	2.3	-2.3
53		WARDHA-NIZAMABAD	D/C	0	2042	0.0	32.0	-32.0
54	400 kV	KOLHAPUR-KUDGI	D/C	1071	0	18.0	0.0	18.0
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	1	84	1.1	0.0	1.1
WR-SR						19.2	57.8	-38.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						18.0
59		NEPAL						-3.9
60		BANGLADESH						-21.9