



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: 15th Apr 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, 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 14.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-अप्रैल-2019 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 14th April 2019, 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

15-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46535	46848	42470	20432	2385	158670
Peak Shortage (MW)	538	0	0	0	99	637
Energy Met (MU)	978	1193	1038	438	41	3688
Hydro Gen (MU)	195	27	74	63	3	362
Wind Gen (MU)	15	49	29	-----	-----	92
Solar Gen (MU)*	22.85	25	85.72	2.54	0.04	136
Energy Shortage (MU)	11.1	0.0	0.0	0.0	1.5	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46870 19:50	52438 00:18	45337 22:20	21272 21:49	2406 18:58	164386 22:59

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	0.033	0.00	0.41	5.10	5.51	75.25	19.24

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	6708	0	114.7	40.1	-1.1	25	0.0	
	Haryana	6312	0	116.6	84.6	-1.1	267	0.0	
	Rajasthan	9432	0	213.0	65.5	-0.7	241	0.0	
	Delhi	4163	0	85.5	71.1	-0.5	137	0.0	
	UP	17898	0	340.1	152.4	-0.3	570	0.5	
	Uttarakhand	1719	0	35.7	14.5	0.2	101	0.2	
	HP	1216	1	24.8	7.2	-0.4	95	0.0	
	J&K	2153	538	44.2	34.8	-0.8	192	10.5	
	Chandigarh	175	0	3.4	4.1	-0.7	12	0.0	
	WR	Chhattisgarh	4444	0	102.5	48.3	-3.6	273	0.0
Gujarat		16409	0	369.0	118.1	3.4	513	0.0	
MP		9714	0	211.1	95.3	-1.1	465	0.0	
Maharashtra		21170	0	468.4	135.2	-3.0	439	0.0	
Goa		513	0	11.8	10.4	0.8	60	0.0	
DD		318	0	7.3	6.9	0.4	37	0.0	
DNH		780	0	18.3	18.4	-0.1	59	0.0	
Essar steel		255	0	4.8	5.7	-0.9	239	0.0	
SR		Andhra Pradesh	8572	0	192.4	69.3	0.4	626	0.0
		Telangana	8692	0	198.2	64.9	0.1	413	0.0
	Karnataka	11174	0	223.6	73.3	0.3	648	0.0	
	Kerala	4204	0	83.3	61.8	1.3	173	0.0	
	Tamil Nadu	14250	0	332.8	170.8	-0.9	466	0.0	
	Pondy	383	0	8.1	8.3	-0.3	60	0.0	
ER	Bihar	4570	0	85.3	80.7	-0.4	250	0.0	
	DVC	3139	0	69.0	-37.1	-0.4	150	0.0	
	Jharkhand	1027	0	24.3	19.1	-0.4	140	0.0	
	Odisha	4548	0	93.6	34.8	1.8	300	0.0	
	West Bengal	8196	0	164.5	44.7	3.6	400	0.0	
	Sikkim	84	0	1.1	1.5	-0.4	20	0.0	
NER	Arunachal Pradesh	117	2	2.0	2.5	-0.4	28	0.0	
	Assam	1374	42	23.6	18.9	1.1	183	1.0	
	Manipur	170	3	2.5	2.4	0.0	31	0.0	
	Meghalaya	297	24	5.4	4.4	-0.2	68	0.4	
	Mizoram	82	1	1.7	1.5	0.1	19	0.0	
	Nagaland	120	2	2.1	1.9	0.2	25	0.0	
	Tripura	277	4	3.9	3.2	-0.3	59	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.2	-6.1	-20.4
Day peak (MW)	672.3	-356.4	-1008.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.4	-243.2	116.1	-44.7	0.4	0.0
Actual(MU)	153.7	-249.1	138.0	-46.2	0.6	-3.0
O/D/U/D(MU)	-17.7	-5.9	21.9	-1.4	0.2	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5700	11569	6252	1850	486	25857
State Sector	10980	11393	4820	2895	50	30138
Total	16680	22962	11072	4745	536	55994

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	507	1256	576	440	11	2791
Lignite	19	17	57	0	0	93
Hydro	195	27	74	63	3	362
Nuclear	22	30	35	0	0	87
Gas, Naptha & Diesel	30	48	16	0	30	124
RES (Wind, Solar, Biomass & Others)	71	79	153	3	0	305
Total	844	1457	911	506	45	3763

Share of RES in total generation (%)	8.38	5.42	16.77	0.51	0.09	8.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.11	9.31	28.75	13.03	7.71	20.06

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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 : 15-Apr-19

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	47	466	0.0	5.7	-5.7
2		SASARAM-FATEHPUR	S/C	31	224	0.0	2.6	-2.6
3		GAYA-BALIA	S/C	0	283	0.0	3.7	-3.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	50	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	64	0.0	1.0	-1.0
7		PUSAULI -ALLAHABAD	S/C	6	33	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	38	971	0.0	12.3	-12.3
9		PATNA-BALIA	Q/C	0	896	0.0	13.5	-13.5
10		BIHARSHARIFF-BALIA	D/C	9	327	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	309	0.0	5.3	-5.3
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.3	-3.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	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	2	0	0.0	0.0	0.0
ER-NR						0.6	52.9	-52.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1799	0	32.9	0.0	32.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	575	162	5.0	0.0	5.0
20		JHARSUGUDA-DURG	D/C	116	77	0.5	0.0	0.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	163	96	0.7	0.0	0.7
22		RANCHI-SIPAT	D/C	221	29	2.2	0.0	2.2
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	112	0.0	1.8	-1.8
24		BUDHIPADAR-KORBA	D/C	164	0	3.0	0.0	3.0
ER-WR						44.2	1.8	42.4
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1758.0	0.0	34.0	-34.0
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	12.8	-12.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	46.6	-46.6
28	400 kV	TALCHER-I/C	D/C	678.0	752.0	0.0	3.4	-3.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	93.5	-93.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	368	28	5.3	0.0	5
31		ALIPURDUAR-BONGAIGAON	D/C	468	0	7.0	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	85	14	1.0	0.0	1
ER-NER						13.3	0.0	13.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	655	0	13.8	0.0	13.8
NER-NR						13.8	0.0	13.8
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	23.7	-23.7
35		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1361	0.0	31.6	-31.6
37	765 kV	GWALIOR-AGRA	D/C	0	2287	0.0	35.1	-35.1
38		PHAGI-GWALIOR	D/C	0	1032	0.0	17.3	-17.3
39		JABALPUR-ORAI	D/C	0	723	0.0	20.7	-20.7
40		GWALIOR-ORAI	S/C	486	0	9.6	0.0	9.6
41		SATNA-ORAI	S/C	0	1441	0.0	28.3	-28.3
42		CHITORGARH-BANASKANTHA	D/C	528	327	1.8	0.0	1.8
43		ZERDA-KANKROLI	S/C	217	18	2.8	0.0	2.8
44	400 kV	ZERDA -BHINMAL	S/C	94	104	0.3	0.0	0.3
45		V'CHAL -RIHAND	S/C	963	0	22.0	0.0	22.0
46	220 kV	RAPP-SHUJALPUR	D/C	0	342	0	2	-2
47		BADOD-KOTA	S/C	47	24	0.1	0.4	-0.2
48		BADOD-MORAK	S/C	0	76	0.0	1.1	-1.1
49		MEHGAON-AURAIYA	S/C	65	0	0.9	0.0	0.9
50	132kV	MALANPUR-AURAIYA	S/C	38	27	0.2	0.1	0.2
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.8	159.9	-116.1
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	478	0.0	11.3	-11.3
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2517	0.0	39.0	-39.0
55		WARDHA-NIZAMABAD	D/C	0	2290	0.0	41.9	-41.9
56	400 kV	KOLHAPUR-KUDGI	D/C	563	100	3.9	0.0	3.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	60	1.3	0.0	1.3
WR-SR						5.2	92.2	-87.0
TRANSNATIONAL EXCHANGE								
60		BHUTAN						10.2
61		NEPAL						-6.1
62		BANGLADESH						-20.4