National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 19th 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., डोंगतिएह, 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 18.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-अप्रैल-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 18th 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** **19-Apr-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43081	47990	39753	21125	2389	154338
Peak Shortage (MW)	529	0	0	0	141	670
Energy Met (MU)	827	1164	989	433	41	3455
Hydro Gen (MU)	197	44	47	63	4	356
Wind Gen (MU)	12	39	37	----------	----------	88
Solar Gen (MU)*	28.62	26.76	84.79	2.14	0.05	142
Energy Shortage (MU)	11.1	0.0	0.0	0.0	1.4	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43651	51360	43535	21443	2399	157400
	19:43	15:32	00:14	19:08	18:53	19:40

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	0.029	0.00	0.00	3.13	3.13	75.86	21.02

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	4973	0	98.6	44.7	-0.8	66	0.0
	Haryana	6343	0	106.5	87.8	0.3	280	0.0
	Rajasthan	7699	0	168.3	52.2	-2.3	145	0.0
	Delhi	3671	0	74.4	63.8	-0.6	104	0.0
	UP	15465	0	269.9	115.0	2.9	576	0.0
	Uttarakhand	1729	0	33.7	13.2	-0.1	77	0.0
	HP	1364	0	25.8	8.4	0.9	182	0.0
	J&K	2227	557	46.7	30.5	0.1	187	11.1
	Chandigarh	164	0	3.2	3.9	-0.7	0	0.0
WR	Chhattisgarh	4405	0	101.8	46.7	-4.1	260	0.0
	Gujarat	15959	0	355.9	137.0	2.8	628	0.0
	MP	8316	0	181.0	75.7	-0.7	430	0.0
	Maharashtra	21513	0	482.3	152.9	0.7	463	0.0
	Goa	548	0	13.8	11.5	2.2	85	0.0
	DD	335	0	7.5	7.2	0.3	32	0.0
	DNH	800	0	18.7	18.7	0.0	54	0.0
	Essar steel	225	0	3.3	3.1	0.3	304	0.0
SR	Andhra Pradesh	9130	0	195.6	63.5	0.0	639	0.0
	Telangana	8754	0	186.3	78.6	-0.3	483	0.0
	Karnataka	10950	0	217.0	65.8	-0.3	672	0.0
	Kerala	3521	0	76.5	58.5	1.2	185	0.0
	Tamil Nadu	14457	0	306.4	165.5	-2.3	604	0.0
	Pondy	480	0	7.2	7.4	-0.3	35	0.0
ER	Bihar	4626	0	81.1	77.8	0.0	50	0.0
	DVC	3237	0	66.0	-38.1	-0.8	130	0.0
	Jharkhand	1159	0	23.5	18.5	-1.1	160	0.0
	Odisha	4694	0	91.2	32.7	1.7	320	0.0
	West Bengal	8818	0	170.5	51.3	1.8	340	0.0
	Sikkim	82	0	1.1	1.5	-0.4	20	0.0
NER	Arunachal Pradesh	115	3	2.1	2.4	-0.3	27	0.0
	Assam	1403	100	23.9	20.2	0.4	99	1.0
	Manipur	141	8	1.7	1.7	0.1	66	0.0
	Meghalaya	321	30	5.1	4.1	0.0	218	0.3
	Mizoram	89	2	1.8	1.3	0.4	14	0.0
	Nagaland	136	3	2.1	1.9	0.2	26	0.0
	Tripura	270	0	4.5	4.2	-0.1	65	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.1	-7.2	-21.5
Day peak (MW)	678.7	-422.0	-1030.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	136.0	-213.0	134.6	-59.1	0.1	-1.6
Actual(MU)	108.5	-206.5	140.9	-48.8	2.3	-3.6
O/D/U/D(MU)	-27.5	6.5	6.4	10.3	2.3	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5266	11637	7462	600	486	25451
State Sector	13280	15038	4710	2675	50	35753
Total	18546	26675	12172	3275	536	61203

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	403	1177	550	448	10	2588
Lignite	14	14	53	0	0	81
Hydro	197	44	47	63	4	356
Nuclear	28	31	37	0	0	96
Gas, Naptha & Diesel	23	45	16	0	30	113
RES (Wind, Solar, Biomass & Others)	69	69	156	2	0	297
Total	735	1380	860	513	44	3531

Share of RES in total generation (%)	9.45	5.03	18.10	0.42	0.11	8.40
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.13	10.44	27.92	12.73	10.13	21.20

H. Diversity Factor

All India Demand Diversity Factor	1.032

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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **19-Apr-19**

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	121	391	0.0	2.8	-2.8
2		SASARAM-FATEHPUR	S/C	0	330	0.0	3.7	-3.7
3		GAYA-BALIA	S/C	0	271	0.0	2.6	-2.6
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	62	0.0	1.1	-1.1
7		PUSAULI -ALLAHABAD	S/C	6	29	0.0	0.3	-0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	730	0.0	10.7	-10.7
9		PATNA-BALIA	Q/C	0	747	0.0	11.7	-11.7
10		BIHARSHARIFF-BALIA	D/C	0	315	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	290	0.0	4.5	-4.5
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	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	**0.4**	**45.8**	**-45.4**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2047	0	39.0	0.0	39.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	375	250	2.1	0.0	2.1
20		JHARSUGUDA-DURG	D/C	116	129	0.2	0.0	0.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	182	152	0.2	0.0	0.2
22		RANCHI-SIPAT	D/C	153	70	1.5	0.0	1.5
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	120	0.0	2.1	-2.1
24		BUDHIPADAR-KORBA	D/C	182	0	3.2	0.0	3.2
					ER-WR	**46.1**	**2.1**	**44.1**
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2144.0	0.0	41.2	-41.2
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	694.0	0.0	16.4	-16.4
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	47.8	-47.8
28	400 kV	TALCHER-I/C	D/C	0.0	668.0	0.0	5.4	-5.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**105.4**	**-105.4**
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	364	0	5.5	0.0	5
31		ALIPURDUAR-BONGAIGAON	D/C	458	0	7.3	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	75	1	1.1	0.0	1
					ER-NER	**13.9**	**0.0**	**13.9**
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	654	0	16.0	0.0	16.0
					NER-NR	**16.0**	**0.0**	**16.0**
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	849	0.0	11.9	-11.9
35		V'CHAL B/B	D/C	244	2	6.1	0.0	6.1
36		APL -MHG	D/C	0	1265	0.0	27.1	-27.1
37	765 kV	GWALIOR-AGRA	D/C	0	2085	0.0	32.5	-32.5
38		PHAGI-GWALIOR	D/C	0	1051	0.0	17.2	-17.2
39		JABALPUR-ORAI	D/C	0	657	0.0	15.8	-15.8
40		GWALIOR-ORAI	S/C	484	0	9.8	0.0	9.8
41		SATNA-ORAI	S/C	0	1286	0.0	25.1	-25.1
42		CHITORGARH-BANASKANTHA	D/C	644	343	4.9	0.0	4.9
43	400 kV	ZERDA-KANKROLI	S/C	262	8	4.0	0.0	4.0
44		ZERDA -BHINMAL	S/C	194	84	2.0	0.0	2.0
45		V'CHAL -RIHAND	S/C	968	0	22.2	0.0	22.2
46		RAPP-SHUJALPUR	D/C	176	245	0	0	0
47	220 kV	BADOD-KOTA	S/C	44	50	0.2	0.5	-0.3
48		BADOD-MORAK	S/C	10	75	0.0	0.9	-0.9
49		MEHGAON-AURAIYA	S/C	58	0	0.7	0.0	0.7
50		MALANPUR-AURAIYA	S/C	33	29	0.2	0.1	0.1
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**50.1**	**131.2**	**-81.0**
Import/Export of WR (With SR)								
52	HVDC LINK	BHADRAWATI B/B	-	0	485	0.0	11.4	-11.4
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2097	0.0	32.6	-32.6
55		WARDHA-NIZAMABAD	D/C	0	2414	0.0	42.3	-42.3
56	400 kV	KOLHAPUR-KUDGI	D/C	687	63	5.6	0.0	5.6
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	64	1.3	0.0	1.3
					WR-SR	**6.9**	**86.2**	**-79.3**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**11.1**
61		NEPAL						**-7.2**
62		BANGLADESH						**-21.5**