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: 18th 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 17.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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** **18-Apr-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	38165	46542	43897	20402	2074	151080
Peak Shortage (MW)	479	0	0	0	391	870
Energy Met (MU)	774	1103	1076	413	31	3397
Hydro Gen (MU)	205	36	72	68	3	384
Wind Gen (MU)	7	67	32	----------	----------	106
Solar Gen (MU)*	20.35	25.32	78.04	1.84	0.05	126
Energy Shortage (MU)	9.3	0.0	0.0	0.0	7.4	16.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	38567 19:31	48973 23:34	47707 15:00	21239 20:05	2092 18:40	154542 19:31

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	0.028	0.00	0.07	3.17	3.24	73.85	22.91

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	4436	0	100.7	45.4	-1.5	58	0.0
	Haryana	4981	0	98.7	82.0	-0.7	395	0.0
	Rajasthan	7119	0	146.4	43.8	-2.9	262	0.0
	Delhi	3644	0	73.7	62.2	-3.1	15	0.0
	UP	13425	0	251.5	114.3	-1.4	482	0.0
	Uttarakhand	1662	0	34.6	13.5	-1.4	95	0.0
	HP	1288	0	26.0	7.1	0.8	128	0.0
	J&K	1974	493	39.4	29.0	-1.2	202	9.3
	Chandigarh	164	0	3.2	3.9	-0.7	16	0.0
WR	Chhattisgarh	4514	0	99.6	46.9	-4.0	299	0.0
	Gujarat	15037	0	335.8	115.2	2.2	584	0.0
	MP	7607	0	154.0	57.2	-1.2	387	0.0
	Maharashtra	20829	0	470.4	144.9	0.1	397	0.0
	Goa	548	0	13.8	11.6	2.1	55	0.0
	DD	329	0	7.5	7.1	0.4	33	0.0
	DNH	794	0	18.7	18.5	0.1	63	0.0
	Essar steel	188	0	2.9	2.9	0.0	235	0.0
SR	Andhra Pradesh	8999	0	193.9	69.2	0.8	483	0.0
	Telangana	8615	0	189.0	69.8	0.5	498	0.0
	Karnataka	12569	0	241.5	78.5	0.3	492	0.0
	Kerala	3598	0	82.4	59.3	1.0	191	0.0
	Tamil Nadu	15848	0	360.3	191.8	0.3	489	0.0
	Pondy	412	0	8.7	8.9	-0.2	34	0.0
ER	Bihar	4348	0	69.1	64.9	0.4	370	0.0
	DVC	3232	0	67.1	-35.1	-0.5	280	0.0
	Jharkhand	1170	0	22.6	17.6	-1.5	100	0.0
	Odisha	4220	0	90.5	35.4	1.1	350	0.0
	West Bengal	8542	0	162.6	50.1	-0.7	200	0.0
	Sikkim	73	0	1.0	1.6	-0.6	15	0.0
NER	Arunachal Pradesh	125	3	2.1	2.4	-0.3	30	0.0
	Assam	1230	130	15.6	13.5	-0.9	176	7.0
	Manipur	130	4	1.5	1.7	-0.2	47	0.0
	Meghalaya	310	35	4.1	3.6	-0.2	46	0.3
	Mizoram	90	2	1.9	1.4	0.4	19	0.0
	Nagaland	132	1	2.1	1.9	0.2	12	0.0
	Tripura	270	1	4.2	3.7	0.1	75	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.0	-4.1	-22.6
Day peak (MW)	889.2	-344.7	-1074.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.0	-204.0	137.8	-48.3	-2.8	-0.3
Actual(MU)	83.3	-207.6	165.7	-42.1	-3.4	-4.1
O/D/U/D(MU)	-33.7	-3.6	27.9	6.2	-0.6	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5766	11913	7212	600	486	25976
State Sector	14145	15589	4110	2675	50	36569
Total	19911	27502	11322	3275	536	62545

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	386	1109	591	416	10	2512
Lignite	14	12	58	0	0	85
Hydro	205	36	72	68	3	384
Nuclear	29	29	37	0	0	95
Gas, Naptha & Diesel	29	44	16	0	26	115
RES (Wind, Solar, Biomass & Others)	56	95	146	2	0	300
Total	718	1326	920	487	39	3490

Share of RES in total generation (%)	7.80	7.19	15.88	0.39	0.13	8.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.29	12.13	27.73	14.41	7.82	22.30

H. Diversity Factor

All India Demand Diversity Factor	1.026

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 : **18-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	222	316	0.0	0.7	-0.7
2		SASARAM-FATEHPUR	S/C	65	336	0.0	2.9	-2.9
3		GAYA-BALIA	S/C	49	127	0.0	1.1	-1.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	69	0.0	1.1	-1.1
7		PUSAULI -ALLAHABAD	S/C	12	43	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	976	0.0	15.1	-15.1
9		PATNA-BALIA	Q/C	0	752	0.0	10.2	-10.2
10		BIHARSHARIFF-BALIA	D/C	0	313	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	222	0.0	3.7	-3.7
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	162	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	1	0	0.0	0.0	0.0
					ER-NR	**0.4**	**43.1**	**-42.8**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2297	0	44.4	0.0	44.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	385	511	0.0	2.5	-2.5
20		JHARSUGUDA-DURG	D/C	145	86	0.8	0.0	0.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	185	75	1.2	0.0	1.2
22		RANCHI-SIPAT	D/C	179	113	0.7	0.0	0.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	1.9	-1.9
24		BUDHIPADAR-KORBA	D/C	185	0	3.6	0.0	3.6
					ER-WR	**50.7**	**4.3**	**46.4**
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2064.0	0.0	39.6	-39.6
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	748.0	0.0	16.8	-16.8
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2464.0	0.0	50.6	-50.6
28	400 kV	TALCHER-I/C	D/C	0.0	1147.0	0.0	9.8	-9.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**107.0**	**-107.0**
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	557	0	8.2	0.0	8
31		ALIPURDUAR-BONGAIGAON	D/C	644	0	9.6	0.0	10
32	220 kV	ALIPURDUAR-SALAKATI	D/C	122	0	1.7	0.0	2
					ER-NER	**19.5**	**0.0**	**19.5**
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	655	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	856	0.0	20.4	-20.4
35		V'CHAL B/B	D/C	243	2	5.6	0.0	5.6
36		APL -MHG	D/C	0	1076	0.0	26.7	-26.7
37	765 kV	GWALIOR-AGRA	D/C	0	1473	0.0	22.1	-22.1
38		PHAGI-GWALIOR	D/C	0	733	0.0	12.4	-12.4
39		JABALPUR-ORAI	D/C	0	411	0.0	8.1	-8.1
40		GWALIOR-ORAI	S/C	456	0	8.5	0.0	8.5
41		SATNA-ORAI	S/C	0	1104	0.0	21.0	-21.0
42		CHITORGARH-BANASKANTHA	D/C	701	106	6.4	0.0	6.4
43	400 kV	ZERDA-KANKROLI	S/C	261	0	4.7	0.0	4.7
44		ZERDA -BHINMAL	S/C	190	49	2.3	0.0	2.3
45		V'CHAL -RIHAND	S/C	965	0	22.1	0.0	22.1
46		RAPP-SHUJALPUR	D/C	265	107	1	0	1
47	220 kV	BADOD-KOTA	S/C	89	10	0.1	0.2	0.0
48		BADOD-MORAK	S/C	90	41	1.0	0.1	1.0
49		MEHGAON-AURAIYA	S/C	62	0	0.7	0.0	0.7
50		MALANPUR-AURAIYA	S/C	42	9	0.3	0.0	0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**53.2**	**110.8**	**-57.6**
Import/Export of WR (With SR)								
52	HVDC LINK	BHADRAWATI B/B	-	0	491	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	2424	0.0	48.8	-48.8
55		WARDHA-NIZAMABAD	D/C	0	2217	0.0	45.6	-45.6
56	400 kV	KOLHAPUR-KUDGI	D/C	360	108	2.5	0.0	2.5
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	65	1.4	0.0	1.4
					WR-SR	**3.9**	**105.8**	**-101.9**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**14.0**
61		NEPAL						**-4.1**
62		BANGLADESH						**-22.6**