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: 04th 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 03.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 3rd 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** **4-Apr-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46795	50939	47984	21979	2313	170010
Peak Shortage (MW)	550	0	0	0	266	816
Energy Met (MU)	988	1223	1125	455	36	3827
Hydro Gen (MU)	197	31	93	41	5	366
Wind Gen (MU)	6	42	33	----------	----------	80
Solar Gen (MU)*	27.77	26.10	79.69	1.08	0.02	135
Energy Shortage (MU)	10.7	0.3	0.4	0.0	3.8	15.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46758 19:43	53976 11:41	49005 22:18	22396 20:25	2268 18:40	170831 19:46

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	0.066	0.01	2.62	16.68	19.31	73.44	7.26

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	6212	0	130.8	48.8	-1.4	36	0.0
	Haryana	6447	0	126.0	95.6	-0.4	119	0.0
	Rajasthan	10023	0	220.4	54.7	-0.7	230	0.0
	Delhi	3741	0	77.3	62.9	-1.5	90	0.0
	UP	16779	0	322.8	139.6	-0.2	263	0.0
	Uttarakhand	1721	0	36.5	12.3	0.6	126	0.0
	HP	1382	0	25.4	10.3	0.5	230	0.0
	J&K	2200	550	45.4	29.1	-0.6	213	10.7
	Chandigarh	186	0	3.6	4.1	-0.5	5	0.0
WR	Chhattisgarh	4357	0	100.4	39.9	-3.0	323	0.0
	Gujarat	16283	0	370.5	112.8	7.5	458	0.0
	MP	9977	0	208.1	89.1	-0.6	507	0.0
	Maharashtra	22145	0	494.1	132.0	-1.0	672	0.0
	Goa	479	0	12.0	11.0	0.5	134	0.3
	DD	327	0	7.3	6.6	0.7	74	0.0
	DNH	773	0	18.1	18.0	0.1	116	0.0
	Essar steel	584	0	12.6	12.6	-0.1	338	0.0
SR	Andhra Pradesh	8833	0	196.5	60.5	-1.0	388	0.0
	Telangana	10184	0	227.7	100.9	-0.7	555	0.0
	Karnataka	12255	0	248.6	86.4	-0.1	621	0.0
	Kerala	4232	0	86.4	59.0	1.0	312	0.4
	Tamil Nadu	16386	0	357.3	204.5	0.3	379	0.0
	Pondy	411	0	8.5	8.5	0.0	35	0.0
ER	Bihar	4558	0	82.9	78.3	-0.7	460	0.0
	DVC	3051	0	65.6	-57.8	-0.3	396	0.0
	Jharkhand	1275	0	26.3	15.5	0.3	169	0.0
	Odisha	5316	0	105.7	41.4	0.6	267	0.0
	West Bengal	8549	0	172.6	49.8	0.9	309	0.0
	Sikkim	100	0	1.4	1.4	0.1	18	0.0
NER	Arunachal Pradesh	110	3	2.1	2.3	-0.3	1	0.0
	Assam	1354	100	20.4	15.3	1.3	124	3.2
	Manipur	171	3	2.1	1.8	0.4	46	0.0
	Meghalaya	363	0	5.4	3.4	0.3	45	0.4
	Mizoram	95	2	1.8	1.0	0.6	32	0.0
	Nagaland	135	3	2.0	1.7	0.3	41	0.0
	Tripura	235	25	2.4	1.4	0.4	35	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-10.0	-21.0
Day peak (MW)	171.1	-496.6	-1028.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.2	-262.8	163.1	-67.0	-0.1	0.4
Actual(MU)	158.3	-270.4	177.2	-68.9	1.7	-2.0
O/D/U/D(MU)	-8.9	-7.5	14.1	-1.9	1.8	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6505	13172	6432	1100	1164	28373
State Sector	10035	12829	4170	1375	50	28459
Total	16540	26001	10602	2475	1214	56832

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	514	1285	613	510	13	2935
Lignite	26	15	55	0	0	96
Hydro	197	31	93	41	5	366
Nuclear	24	31	34	0	0	89
Gas, Naptha & Diesel	29	59	17	0	20	125
RES (Wind, Solar, Biomass & Others)	66	73	150	1	0	291
Total	856	1493	961	552	38	3900

Share of RES in total generation (%)	7.73	4.89	15.65	0.20	0.05	7.45
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.55	9.03	28.79	7.63	11.89	19.11

H. Diversity Factor

All India Demand Diversity Factor	1.021

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 : **4-Apr-19**

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	535	0.0	8.1	-8.1
2		SASARAM-FATEHPUR	S/C	93	242	0.0	2.7	-2.7
3		GAYA-BALIA	S/C	0	284	0.0	4.8	-4.8
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	1	58	0.0	0.6	-0.6
7		PUSAULI -ALLAHABAD	S/C	0	57	0.0	0.5	-0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	695	0.0	10.1	-10.1
9		PATNA-BALIA	Q/C	0	826	0.0	16.1	-16.1
10		BIHARSHARIFF-BALIA	D/C	0	303	0.0	5.2	-5.2
11		MOTIHARI-GORAKHPUR	D/C	0	326	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	5	200	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	149	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	0.6	0.0	0.6
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	**0.6**	**60.3**	**-59.7**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2237	0	35.7	0.0	35.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	382	274	1.1	0.0	1.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	268	147	0.0	0.2	-0.2
21		RANCHI-SIPAT	D/C	223	60	0.2	0.0	0.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	139	0.0	2.5	-2.5
23		BUDHIPADAR-KORBA	D/C	179	0	2.9	0.0	2.9
					ER-WR	**39.8**	**2.7**	**37.2**
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1770.0	0.0	36.1	-36.1
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.8	-15.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2461.0	0.0	52.6	-52.6
27	400 kV	TALCHER-I/C	D/C	0.0	692.0	0.0	7.7	-7.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**104.4**	**-104.4**
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	461	85	5.8	0.0	6
30		ALIPURDUAR-BONGAIGAON	D/C	604	0	8.9	0.0	9
31	220 kV	ALIPURDUAR-SALAKATI	D/C	97	45	1.2	0.0	1
					ER-NER	**15.9**	**0.0**	**15.9**
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	660	0	17.3	0.0	17.3
					NER-NR	**17.3**	**0.0**	**17.3**
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	550	0.0	13.0	-13.0
34		V'CHAL B/B	D/C	243	0	5.6	0.0	5.6
35		APL -MHG	D/C	0	1362	0.0	33.9	-33.9
36	765 kV	GWALIOR-AGRA	D/C	0	2148	0.0	41.3	-41.3
37		PHAGI-GWALIOR	D/C	0	738	0.0	11.6	-11.6
38		JABALPUR-ORAI	D/C	0	629	0.0	22.4	-22.4
39		GWALIOR-ORAI	S/C	446	0	8.5	0.0	8.5
40		SATNA-ORAI	S/C	0	1319	0.0	28.4	-28.4
41		CHITORGARH-BANASKANTHA	D/C	0	0	1.0	0.0	1.0
42	400 kV	ZERDA-KANKROLI	S/C	142	11	1.1	0.0	1.1
43		ZERDA -BHINMAL	S/C	127	106	0.0	0.1	-0.1
44		V'CHAL -RIHAND	S/C	981	0	22.3	0.0	22.3
45		RAPP-SHUJALPUR	D/C	26	193	0	1	-1
46	220 kV	BADOD-KOTA	S/C	5	70	0.0	1.3	-1.3
47		BADOD-MORAK	S/C	0	127	0.0	1.9	-1.9
48		MEHGAON-AURAIYA	S/C	78	0	0.8	0.0	0.8
49		MALANPUR-AURAIYA	S/C	37	20	0.1	0.1	0.0
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**39.4**	**154.7**	**-115.2**
Import/Export of WR (With SR)								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.6	-23.6
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2696	0.0	51.7	-51.7
54		WARDHA-NIZAMABAD	D/C	0	2678	0.0	51.6	-51.6
55	400 kV	KOLHAPUR-KUDGI	D/C	578	0	8.3	0.0	8.3
56	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	0	39	0.9	0.0	0.9
					WR-SR	**9.3**	**127.0**	**-117.7**
TRANSNATIONAL EXCHANGE								
59		BHUTAN						**3.2**
60		NEPAL						**-10.0**
61		BANGLADESH						**-21.0**