



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: 10th Apr 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 09.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 9th 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

10-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48028	50508	45307	14823	2269	160935
Peak Shortage (MW)	521	0	0	0	247	768
Energy Met (MU)	994	1236	1083	379	39	3731
Hydro Gen (MU)	189	32	72	47	3	342
Wind Gen (MU)	16	81	46	-----	-----	143
Solar Gen (MU)*	25.40	27.1	79.28	0.90	0.03	133
Energy Shortage (MU)	10.8	0.0	0.0	0.0	2.2	13.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47343 19:38	53428 11:21	48068 14:52	17904 00:04	2278 19:51	162953 22:58

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	0.034	0.00	0.38	6.61	6.99	79.73	13.28

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	5770	0	126.8	44.3	-1.2	71	0.0	
	Haryana	6645	19	126.8	98.3	-0.2	134	0.4	
	Rajasthan	9627	0	211.3	59.7	-1.2	209	0.0	
	Delhi	4229	0	86.9	72.0	-0.5	138	0.0	
	UP	17607	0	331.6	151.8	1.1	700	0.0	
	Uttarakhand	1789	0	37.0	13.9	0.5	107	0.0	
	HP	1379	0	26.2	9.3	1.5	115	0.1	
	J&K	2071	518	43.9	33.4	0.5	265	10.4	
WR	Chandigarh	189	0	3.7	4.1	-0.5	5	0.0	
	Chhattisgarh	4399	0	101.7	47.1	-3.3	365	0.0	
	Gujarat	16585	0	379.7	106.7	3.8	886	0.0	
	MP	9705	0	210.4	80.4	-1.4	451	0.0	
	Maharashtra	22347	0	499.9	142.0	-1.7	549	0.0	
	Goa	521	0	13.7	10.9	2.2	48	0.0	
	DD	310	0	6.2	6.0	0.2	65	0.0	
	DNH	800	0	18.9	18.8	0.1	67	0.0	
SR	Essar steel	249	0	5.2	5.3	-0.1	193	0.0	
	Andhra Pradesh	8834	0	194.1	59.0	0.2	439	0.0	
	Telangana	9171	0	206.7	78.6	-0.9	438	0.0	
	Karnataka	11905	0	228.9	75.9	-0.4	414	0.0	
	Kerala	3988	0	84.8	63.3	1.2	212	0.0	
	Tamil Nadu	15655	0	359.6	202.4	-0.6	450	0.0	
	Pondy	419	0	8.8	8.9	-0.1	40	0.0	
	ER	Bihar	4048	0	70.9	64.7	1.2	190	0.0
DVC		3029	0	69.2	-53.4	-1.2	250	0.0	
Jharkhand		970	0	20.9	15.8	-0.7	90	0.0	
Odisha		3960	0	83.2	26.5	0.4	325	0.0	
West Bengal		6977	0	133.3	41.3	-3.9	210	0.0	
Sikkim		91	0	1.0	1.6	-0.5	15	0.0	
NER		Arunachal Pradesh	120	4	2.1	2.3	-0.3	32	0.0
		Assam	1322	52	22.3	17.4	1.2	122	1.7
	Manipur	167	3	2.6	2.3	0.4	33	0.0	
	Meghalaya	317	1	5.7	4.8	-0.2	59	0.3	
	Mizoram	85	2	1.6	1.3	0.2	13	0.0	
	Nagaland	127	4	2.0	1.9	0.1	27	0.0	
	Tripura	215	14	3.0	1.4	0.2	58	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-7.0	-19.8
Day peak (MW)	383.2	-449.4	-944.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	187.3	-260.7	145.4	-73.8	1.0	-0.9
Actual(MU)	185.9	-255.6	159.1	-90.0	2.0	1.4
O/D/U/D(MU)	-1.3	5.1	13.7	-16.2	0.9	2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5725	12237	5372	1870	531	25735
State Sector	11170	13179	4230	3565	50	32194
Total	16895	25416	9602	5435	581	57928

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	487	1262	599	467	10	2825
Lignite	23	17	53	0	0	93
Hydro	189	32	72	47	3	342
Nuclear	23	30	34	0	0	86
Gas, Naptha & Diesel	30	56	16	0	27	129
RES (Wind, Solar, Biomass & Others)	73	114	162	1	0	350
Total	825	1511	935	515	40	3826

Share of RES in total generation (%)	8.90	7.53	17.31	0.18	0.07	9.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.55	11.59	28.55	9.32	8.10	20.35

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : **10-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	0	710	0.0	11.8	-11.8
2		SASARAM-FATEHPUR	S/C	0	470	0.0	6.6	-6.6
3		GAYA-BALIA	S/C	0	371	0.0	6.0	-6.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	62	0.0	0.8	-0.8
7		PUSAULI -ALLAHABAD	S/C	5	39	0.0	0.2	-0.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	960	0.0	15.1	-15.1
9		PATNA-BALIA	Q/C	0	959	0.0	16.4	-16.4
10		BIHARSHARIFF-BALIA	D/C	0	437	0.0	7.9	-7.9
11		MOTIHARI-GORAKHPUR	D/C	0	325	0.0	6.5	-6.5
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	173	0.0	2.3	-2.3
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	74.9	-74.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1644	0	28.7	0.0	28.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	524	174	3.1	0.0	3.1
20		JHARSUGUDA-DURG	D/C	146	60	0.1	0.0	0.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	139	236	0.0	1.6	-1.6
22		RANCHI-SIPAT	D/C	183	54	0.8	0.0	0.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	17	116	0.0	1.5	-1.5
24		BUDHIPADAR-KORBA	D/C	152	0	2.3	0.0	2.3
ER-WR						35.0	3.1	31.9
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2017.0	0.0	40.7	-40.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	15.4	-15.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	51.0	-51.0
28	400 kV	TALCHER-I/C	D/C	0.0	919.0	0.0	7.6	-7.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	107.1	-107.1
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	400	0	5.9	0.0	6
31		ALIPURDUAR-BONGAIGAON	D/C	493	0	7.8	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	88	0	1.2	0.0	1
ER-NER						14.9	0.0	14.9
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	661	0	16.8	0.0	16.8
NER-NR						16.8	0.0	16.8
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	552	0.0	13.2	-13.2
35		V'CHAL B/B	D/C	244	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1077	0.0	23.7	-23.7
37	765 kV	GWALIOR-AGRA	D/C	0	2359	0.0	44.4	-44.4
38		PHAGI-GWALIOR	D/C	0	1138	0.0	19.2	-19.2
39		JABALPUR-ORAI	D/C	0	775	0.0	27.2	-27.2
40		GWALIOR-ORAI	S/C	438	0	9.2	0.0	9.2
41		SATNA-ORAI	S/C	0	1377	0.0	28.3	-28.3
42		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	3.1	3.1
43		ZERDA-KANKROLI	S/C	148	45	1.3	0.0	1.3
44	400 kV	ZERDA -BHINMAL	S/C	94	165	0.0	0.9	-0.9
45		V'CHAL -RIHAND	S/C	974	0	22.1	0.0	22.1
46	220 kV	RAPP-SHUJALPUR	D/C	0	330	0	2	-2
47		BADOD-KOTA	S/C	35	33	0.0	0.7	-0.7
48		BADOD-MORAK	S/C	0	91	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	60	0	0.7	0.0	0.7
50	132kV	MALANPUR-AURAIYA	S/C	25	26	0.1	0.1	0.0
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.4	164.8	-119.2
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	488	0.0	11.4	-11.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2409	0.0	45.8	-45.8
55		WARDHA-NIZAMABAD	D/C	0	2402	0.0	45.3	-45.3
56	400 kV	KOLHAPUR-KUDGI	D/C	547	0	7.1	0.0	7.1
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	61	1.3	0.0	1.3
WR-SR						8.5	102.5	-94.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						7.2
61		NEPAL						-7.0
62		BANGLADESH						-19.8