



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: 08th 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 07.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 7th 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

8-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40928	47212	41607	18793	2195	150735
Peak Shortage (MW)	489	0	248	0	193	930
Energy Met (MU)	909	1180	1008	349	37	3483
Hydro Gen (MU)	209	17	54	44	3	327
Wind Gen (MU)	14	83	26	-----	-----	124
Solar Gen (MU)*	25.01	25.07	78.57	0.91	0.03	130
Energy Shortage (MU)	10.1	0.3	0.0	0.0	3.4	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41270 19:27	51258 00:24	42680 22:28	19685 19:30	2258 18:19	152073 19:30

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	0.064	0.00	0.59	5.25	5.84	63.01	31.15

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	5609	0	120.4	46.0	-1.3	46	0.0	
	Haryana	5829	0	111.2	84.1	-1.6	210	0.0	
	Rajasthan	10265	0	201.4	48.7	-0.7	438	0.0	
	Delhi	3902	0	83.6	69.3	-1.3	83	0.0	
	UP	16683	0	287.3	129.3	1.2	773	0.0	
	Uttarakhand	1649	0	35.2	11.3	0.4	234	0.0	
	HP	1270	1	24.3	7.1	0.1	61	0.1	
	J&K	2060	515	42.6	27.8	-2.2	148	10.0	
WR	Chandigarh	182	0	3.5	3.8	-0.3	5	0.0	
	Chhattisgarh	4423	0	102.4	45.0	-3.6	307	0.0	
	Gujarat	15877	0	362.5	102.0	3.3	569	0.0	
	MP	9548	0	200.1	76.9	-1.9	434	0.0	
	Maharashtra	20582	0	470.5	139.0	-1.0	465	0.0	
	Goa	479	0	12.0	9.5	1.9	43	0.3	
	DD	317	0	7.4	6.7	0.7	44	0.0	
	DNH	776	0	18.4	18.2	0.2	68	0.0	
SR	Essar steel	576	0	6.4	6.8	-0.4	260	0.0	
	Andhra Pradesh	8296	0	181.9	59.1	0.0	401	0.0	
	Telangana	8781	0	197.0	73.6	-0.5	392	0.0	
	Karnataka	10790	0	218.6	72.9	-0.2	662	0.0	
	Kerala	3955	0	78.7	62.4	1.0	312	0.0	
	Tamil Nadu	13683	0	323.7	173.7	-0.6	623	0.0	
	Pondy	374	0	7.9	8.2	-0.3	35	0.0	
	ER	Bihar	4220	0	61.7	59.9	-3.1	350	0.0
DVC		3138	0	62.9	-44.3	0.6	300	0.0	
Jharkhand		1000	0	17.7	14.6	-2.4	50	0.0	
Odisha		4567	0	95.1	37.3	1.3	300	0.0	
West Bengal		6878	0	110.4	36.3	-7.4	200	0.0	
Sikkim		87	0	1.2	1.6	-0.4	20	0.0	
NER		Arunachal Pradesh	115	2	2.1	2.2	-0.2	16	0.0
		Assam	1279	113	20.3	16.5	0.4	157	2.4
	Manipur	171	2	2.5	2.3	0.1	21	0.0	
	Meghalaya	322	21	5.8	4.5	-0.1	41	0.4	
	Mizoram	79	1	1.6	1.3	0.2	14	0.0	
	Nagaland	106	2	2.1	1.7	0.3	15	0.0	
	Tripura	236	1	3.3	1.9	0.0	67	0.5	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.9	-6.9	-20.0
Day peak (MW)	449.7	-415.6	-1098.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.1	-248.7	151.3	-52.4	4.8	0.1
Actual(MU)	131.8	-237.9	161.3	-66.5	8.5	-2.8
O/D/U/D(MU)	-13.3	10.8	10.0	-14.1	3.8	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5755	12991	6482	1100	1108	27436
State Sector	11305	12649	3670	3765	50	31439
Total	17060	25640	10152	4865	1157	58874

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	441	1206	569	403	9	2628
Lignite	20	17	47	0	0	84
Hydro	209	17	54	44	3	327
Nuclear	23	31	34	0	0	87
Gas, Naptha & Diesel	29	48	16	0	20	113
RES (Wind, Solar, Biomass & Others)	74	114	140	1	0	330
Total	796	1433	860	448	32	3569

Share of RES in total generation (%)	9.31	7.99	16.29	0.21	0.09	9.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.36	11.32	26.47	10.04	10.85	20.83

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 : **8-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	731	0.0	7.1	-7.1
2		SASARAM-FATEHPUR	S/C	126	360	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	218	0.0	4.3	-4.3
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	20	75	0.0	0.6	-0.6
7		PUSAULI -ALLAHABAD	S/C	16	79	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	987	0.0	10.3	-10.3
9		PATNA-BALIA	Q/C	0	1069	0.0	11.5	-11.5
10		BIHARSHARIFF-BALIA	D/C	0	343	0.0	4.8	-4.8
11		MOTIHARI-GORAKHPUR	D/C	0	241	0.0	3.9	-3.9
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	165	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	0.5	0.0	0.5
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						0.5	49.2	-48.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2006	0	35.9	0.0	35.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	554	503	0.1	0.0	0.1
20		JHARSUGUDA-DURG	D/C	117	53	0.5	0.0	0.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	164	163	0.0	0.9	-0.9
22		RANCHI-SIPAT	D/C	202	159	0.1	0.0	0.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	124	0.0	2.1	-2.1
24		BUDHIPADAR-KORBA	D/C	189	0	3.3	0.0	3.3
ER-WR						39.8	3.0	36.7
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1963.0	0.0	40.6	-40.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	11.5	-11.5
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2461.0	0.0	51.5	-51.5
28	400 kV	TALCHER-I/C	D/C	0.0	945.0	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	103.6	-103.6
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	244	89	2.5	0.0	2
31		ALIPURDUAR-BONGAIGAON	D/C	311	30	3.5	0.0	4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	54	37	0.3	0.0	0
ER-NER						6.3	0.0	6.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	660	0	14.8	0.0	14.8
NER-NR						14.8	0.0	14.8
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	553	0.0	13.1	-13.1
35		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1362	0.0	33.0	-33.0
37	765 kV	GWALIOR-AGRA	D/C	0	1976	0.0	33.8	-33.8
38		PHAGI-GWALIOR	D/C	0	777	0.0	12.5	-12.5
39		JABALPUR-ORAI	D/C	0	505	0.0	19.5	-19.5
40		GWALIOR-ORAI	S/C	409	0	8.1	0.0	8.1
41		SATNA-ORAI	S/C	0	1179	0.0	24.1	-24.1
42		CHITORGARH-BANASKANTHA	D/C	0	0	3.5	0.0	3.5
43		ZERDA-KANKROLI	S/C	207	0	3.2	0.0	3.2
44	400 kV	ZERDA -BHINMAL	S/C	141	74	0.9	0.0	0.9
45		V'CHAL -RIHAND	S/C	975	0	18.6	0.0	18.6
46	220 kV	RAPP-SHUJALPUR	D/C	66	253	0	1	-1
47		BADOD-KOTA	S/C	43	15	0.3	0.5	-0.2
48		BADOD-MORAK	S/C	35	100	0.1	1.1	-1.1
49		MEHGAON-AURAIYA	S/C	83	17	0.9	0.0	0.9
50		MALANPUR-AURAIYA	S/C	49	48	0.3	0.1	0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.9	138.9	-97.0
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	488	0.0	11.2	-11.2
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2572	0.0	47.7	-47.7
55		WARDHA-NIZAMABAD	D/C	0	2542	0.0	49.4	-49.4
56	400 kV	KOLHAPUR-KUDGI	D/C	592	64	6.7	0.0	6.7
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	39	0.9	0.0	0.9
WR-SR						7.7	108.3	-100.6
TRANSNATIONAL EXCHANGE								
60		BHUTAN						8.9
61		NEPAL						-6.9
62		BANGLADESH						-20.0