



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: 06th 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., डोंगतिह, 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 05.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 5th 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

6-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46279	49836	46222	21465	2377	166179
Peak Shortage (MW)	525	0	0	0	123	648
Energy Met (MU)	1003	1213	1100	461	39	3816
Hydro Gen (MU)	202	28	69	35	4	339
Wind Gen (MU)	18	71	36	-----	-----	124
Solar Gen (MU)*	24.36	25.24	82.36	0.96	0.03	133
Energy Shortage (MU)	11.9	0.3	0.0	0.0	2.1	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46088 19:48	53132 15:38	47768 09:42	21846 19:18	2449 18:33	165168 19:22

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	0.037	0.00	0.09	6.67	6.76	72.70	20.54

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	6305	0	132.1	49.7	-1.3	41	0.0	
	Haryana	6408	0	129.7	100.7	0.4	143	0.0	
	Rajasthan	9631	0	205.6	42.9	-3.5	157	0.0	
	Delhi	4218	0	85.6	70.0	-1.5	143	0.0	
	UP	17010	0	336.7	146.3	0.3	437	1.2	
	Uttarakhand	1777	0	37.8	13.9	0.6	104	0.0	
	HP	1356	0	26.2	10.3	-0.1	71	0.0	
	J&K	2239	560	45.2	31.8	-0.8	162	10.7	
	Chandigarh	200	0	4.0	4.1	-0.1	12	0.0	
	WR	Chhattisgarh	4490	0	103.0	43.0	-3.1	162	0.0
Gujarat		16616	0	379.8	109.4	4.6	704	0.0	
MP		9730	0	205.2	80.0	-0.9	556	0.0	
Maharashtra		21655	0	472.8	131.2	0.2	436	0.0	
Goa		479	0	12.0	11.3	0.2	140	0.3	
DD		323	0	7.4	6.9	0.5	73	0.0	
DNH		781	0	18.4	18.3	0.1	129	0.0	
Essar steel		626	0	14.1	14.6	-0.5	309	0.0	
SR		Andhra Pradesh	8862	0	197.3	58.8	0.7	585	0.0
		Telangana	9888	0	212.5	85.5	0.0	520	0.0
	Karnataka	12514	0	242.8	74.4	-0.1	836	0.0	
	Kerala	4047	0	83.9	60.5	1.4	237	0.0	
	Tamil Nadu	15753	0	355.1	196.3	-0.6	411	0.0	
	Pondy	407	0	8.7	8.8	-0.1	51	0.0	
	ER	Bihar	4750	0	85.4	81.0	-0.9	50	0.0
		DVC	3088	0	67.7	-52.0	1.2	400	0.0
		Jharkhand	1071	0	24.0	19.2	-0.8	150	0.0
		Odisha	5326	0	113.0	47.1	1.4	350	0.0
West Bengal		8116	0	169.8	51.2	2.1	450	0.0	
Sikkim		100	0	1.4	1.5	-0.1	20	0.0	
NER		Arunachal Pradesh	114	3	2.1	2.3	-0.2	5	0.0
		Assam	1393	61	21.7	18.0	0.0	101	1.5
		Manipur	173	2	2.3	2.3	0.0	34	0.1
		Meghalaya	340	19	5.4	3.4	0.2	61	0.4
	Mizoram	96	3	1.5	1.2	0.1	28	0.0	
	Nagaland	125	2	2.0	1.8	0.1	7	0.0	
	Tripura	258	6	3.6	1.6	-0.4	66	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-9.8	-17.1
Day peak (MW)	115.0	-540.1	-966.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.1	-272.2	156.8	-59.4	3.2	-0.5
Actual(MU)	160.3	-267.7	157.7	-54.3	5.0	1.0
O/D/U/D(MU)	-10.8	4.5	1.0	5.0	1.8	1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6035	11946	5882	850	883	25596
State Sector	9790	12939	3670	4745	50	31194
Total	15825	24885	9552	5595	932	56789

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	506	1274	617	502	11	2910
Lignite	23	18	53	0	0	93
Hydro	202	28	69	35	4	339
Nuclear	23	31	34	0	0	88
Gas, Naptha & Diesel	30	56	17	0	20	123
RES (Wind, Solar, Biomass & Others)	76	102	155	1	0	333
Total	860	1508	945	538	36	3886

Share of RES in total generation (%)	8.79	6.74	16.40	0.19	0.08	8.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.97	10.63	27.32	6.66	12.79	19.54

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 : **6-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	445	0.0	8.0	-8.0
2		SASARAM-FATEHPUR	S/C	82	249	0.0	2.6	-2.6
3		GAYA-BALIA	S/C	0	282	0.0	5.2	-5.2
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	64	0.0	0.8	-0.8
7		PUSAULI -ALLAHABAD	S/C	6	44	0.0	0.3	-0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	7	620	0.0	6.9	-6.9
9		PATNA-BALIA	Q/C	0	796	0.0	14.8	-14.8
10		BIHARSHARIFF-BALIA	D/C	0	291	0.0	4.8	-4.8
11		MOTIHARI-GORAKHPUR	D/C	0	319	0.0	6.3	-6.3
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	3.4	-3.4
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	54.5	-53.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2220	0	43.8	0.0	43.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	613	89	6.3	0.0	6.3
20		JHARSUGUDA-DURG	D/C	174	69	0.8	0.0	0.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	249	8	2.9	0.0	2.9
22		RANCHI-SIPAT	D/C	203	13	2.3	0.0	2.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	107	0.0	1.8	-1.8
24		BUDHIPADAR-KORBA	D/C	187	0	2.5	0.0	2.5
ER-WR						58.6	1.8	56.8
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1891.0	0.0	39.9	-39.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.8	-15.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	52.8	-52.8
28	400 kV	TALCHER-I/C	D/C	0.0	652.0	0.0	8.1	-8.1
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	108.5	-108.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	259	152	1.3	0.0	1
31		ALIPURDUAR-BONGAIGAON	D/C	367	73	3.4	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	50	56	0.2	0.0	0
ER-NER						4.9	0.0	4.9
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	610	0	11.3	0.0	11.3
NER-NR						11.3	0.0	11.3
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	551	0.0	0.0	0.0
35		V'CHAL B/B	D/C	243	0	0.0	0.0	0.0
36		APL -MHG	D/C	0	1362	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2205	0.0	43.6	-43.6
38		PHAGI-GWALIOR	D/C	0	780	0.0	14.7	-14.7
39		JABALPUR-ORAI	D/C	0	676	0.0	25.6	-25.6
40		GWALIOR-ORAI	S/C	424	0	7.9	0.0	7.9
41		SATNA-ORAI	S/C	0	1341	0.0	29.5	-29.5
42		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	1.2	1.2
43		ZERDA-KANKROLI	S/C	170	0	2.8	0.0	2.8
44	400 kV	ZERDA -BHINMAL	S/C	136	67	0.7	0.0	0.7
45		V'CHAL -RIHAND	S/C	961	0	22.2	0.0	22.2
46	220 kV	RAPP-SHUJALPUR	D/C	94	151	0	1	-1
47		BADOD-KOTA	S/C	37	62	0.1	0.5	-0.4
48		BADOD-MORAK	S/C	0	95	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	64	35	0.4	0.1	0.4
50	132kV	MALANPUR-AURAIYA	S/C	28	44	0.1	0.3	-0.2
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						34.4	151.2	-114.6
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	491	0.0	0.0	0.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2624	0.0	51.4	-51.4
55		WARDHA-NIZAMABAD	D/C	0	2490	0.0	51.0	-51.0
56	400 kV	KOLHAPUR-KUDGI	D/C	559	0	7.8	0.0	7.8
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						8.8	102.4	-93.7
TRANSNATIONAL EXCHANGE								
60		BHUTAN						1.9
61		NEPAL						-9.8
62		BANGLADESH						-17.1