



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: 14th 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 13.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48189	49425	45732	19450	2620	165416
Peak Shortage (MW)	701	0	0	0	44	745
Energy Met (MU)	1015	1231	1075	440	47	3809
Hydro Gen (MU)	199	39	81	54	3	375
Wind Gen (MU)	19	57	36	-----	-----	113
Solar Gen (MU)*	23.48	25.5	86.99	2.05	0.05	138
Energy Shortage (MU)	12.4	0.1	0.0	0.0	0.3	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48243 19:51	54791 14:54	47693 15:25	20159 23:06	2641 18:21	167791 22:42

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	0.043	0.19	1.17	5.27	6.62	77.08	16.30

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	5636	0	123.5	36.2	-0.9	23	0.0
	Haryana	6686	200	126.3	96.2	0.6	296	2.1
	Rajasthan	9726	0	216.6	62.6	-1.2	271	0.0
	Delhi	4134	0	90.0	73.8	-0.8	168	0.0
	UP	18119	0	347.1	154.0	0.7	798	0.4
	Uttarakhand	1809	0	38.9	16.1	0.7	116	0.0
	HP	1379	0	26.8	8.7	1.1	176	0.0
	J&K	2006	501	42.2	30.4	1.6	287	9.9
WR	Chandigarh	182	0	3.7	4.2	-0.6	6	0.0
	Chhattisgarh	4502	0	101.6	47.3	-4.4	262	0.0
	Gujarat	16838	0	383.1	113.2	3.3	573	0.0
	MP	9727	0	213.7	90.3	0.2	531	0.0
	Maharashtra	22564	0	489.9	143.5	-2.2	517	0.1
	Goa	521	0	11.8	11.5	-0.3	44	0.0
	DD	330	0	7.6	7.0	0.6	62	0.0
	DNH	807	0	18.7	18.7	0.0	63	0.0
SR	Essar steel	299	0	5.0	5.7	-0.7	192	0.0
	Andhra Pradesh	8946	0	191.0	63.2	0.8	629	0.0
	Telangana	8922	0	187.4	54.7	0.6	350	0.0
	Karnataka	12053	0	237.8	76.8	-0.3	609	0.0
	Kerala	4316	0	88.6	62.2	1.1	238	0.0
	Tamil Nadu	15750	0	361.5	198.7	0.5	675	0.0
	Pondy	417	0	8.9	8.9	0.0	40	0.0
	ER	Bihar	4603	0	90.8	86.0	-0.5	120
DVC		3062	0	65.4	-39.4	-0.4	210	0.0
Jharkhand		999	0	20.7	16.0	-1.0	86	0.0
Odisha		4570	0	91.4	31.6	2.8	260	0.0
West Bengal		7962	0	171.0	48.1	-0.6	280	0.0
Sikkim		99	0	1.1	1.5	-0.4	30	0.0
NER	Arunachal Pradesh	120	2	2.2	2.4	-0.2	37	0.0
	Assam	1586	12	27.8	23.1	1.1	145	0.2
	Manipur	177	1	2.6	2.4	0.2	17	0.0
	Meghalaya	337	0	5.5	4.4	-0.1	43	0.0
	Mizoram	98	3	2.0	1.5	0.3	28	0.0
	Nagaland	131	2	2.2	2.1	0.2	32	0.0
	Tripura	255	14	4.7	2.8	0.6	68	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.7	-7.1	-22.2
Day peak (MW)	617.0	-598.6	-1086.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.8	-252.2	125.8	-47.2	0.7	-1.0
Actual(MU)	162.4	-258.3	148.4	-52.8	5.8	5.6
O/D/U/D(MU)	-9.4	-6.1	22.6	-5.6	5.1	6.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5200	11698	6472	1350	461	25181
State Sector	11230	12911	4820	2395	50	31406
Total	16430	24609	11292	3745	511	56586

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	519	1277	603	468	13	2880
Lignite	21	16	56	0	0	94
Hydro	199	39	81	54	3	375
Nuclear	23	30	32	0	0	85
Gas, Naptha & Diesel	31	58	16	0	29	134
RES (Wind, Solar, Biomass & Others)	76	87	160	2	0	326
Total	869	1507	949	523	46	3894
Share of RES in total generation (%)	8.76	5.79	16.91	0.40	0.11	8.37
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.27	10.33	28.80	10.65	7.48	20.18

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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 : 14-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	401	0.0	5.1	-5.1
2		SASARAM-FATEHPUR	S/C	27	225	0.0	2.7	-2.7
3		GAYA-BALIA	S/C	0	316	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	50	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	70	0.0	1.1	-1.1
7		PUSAULI -ALLAHABAD	S/C	11	34	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	766	0.0	8.9	-8.9
9		PATNA-BALIA	Q/C	0	729	0.0	12.7	-12.7
10		BIHARSHARIFF-BALIA	D/C	0	281	0.0	4.3	-4.3
11		MOTIHARI-GORAKHPUR	D/C	1	302	0.0	4.2	-4.2
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	176	0.0	3.5	-3.5
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	48.1	-47.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1817	0	31.9	0.0	31.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	589	267	6.5	0.0	6.5
20		JHARSUGUDA-DURG	D/C	108	108	0.0	0.1	-0.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	145	159	0.0	0.1	-0.1
22		RANCHI-SIPAT	D/C	197	73	2.3	0.0	2.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	115	0.0	1.9	-1.9
24		BUDHIPADAR-KORBA	D/C	188	0	1.6	0.0	1.6
ER-WR						42.3	2.0	40.3
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1889.0	0.0	31.4	-31.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.0	-16.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2452.0	0.0	51.5	-51.5
28	400 kV	TALCHER-I/C	D/C	0.0	680.0	0.0	7.4	-7.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	98.9	-98.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	321	74	3.1	0.0	3
31		ALIPURDUAR-BONGAIGAON	D/C	425	0	5.0	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	72	21	0.6	0.0	1
ER-NER						8.7	0.0	8.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	650	0	14.3	0.0	14.3
NER-NR						14.3	0.0	14.3
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	23.9	-23.9
35		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1359	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2323	0.0	40.0	-40.0
38		PHAGI-GWALIOR	D/C	0	974	0.0	17.7	-17.7
39		JABALPUR-ORAI	D/C	0	713	0.0	23.8	-23.8
40		GWALIOR-ORAI	S/C	456	0	8.9	0.0	8.9
41		SATNA-ORAI	S/C	0	1370	0.0	28.2	-28.2
42		CHITORGARH-BANASKANTHA	D/C	297	384	0.0	3.6	3.6
43		ZERDA-KANKROLI	S/C	180	15	2.5	0.0	2.5
44	400 kV	ZERDA -BHINMAL	S/C	114	82	0.5	0.0	0.5
45		V'CHAL -RIHAND	S/C	970	0	22.2	0.0	22.2
46	220 kV	RAPP-SHUJALPUR	D/C	0	329	0	2	-2
47		BADOD-KOTA	S/C	40	37	0.1	0.4	-0.4
48		BADOD-MORAK	S/C	0	84	0.0	1.2	-1.2
49		MEHGAON-AURAIYA	S/C	61	0	0.6	0.0	0.6
50	132kV	MALANPUR-AURAIYA	S/C	34	29	0.2	0.1	0.1
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.0	174.8	-126.7
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	478	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	2520	0.0	39.9	-39.9
55		WARDHA-NIZAMABAD	D/C	0	2246	0.0	37.6	-37.6
56	400 kV	KOLHAPUR-KUDGI	D/C	681	207	4.1	0.0	4.1
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	68	1.4	0.0	1.4
WR-SR						5.4	88.7	-83.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						8.7
61		NEPAL						-7.1
62		BANGLADESH						-22.2