



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: 03rd 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 02.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 2nd 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

3-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46342	50278	46949	21407	1939	166915
Peak Shortage (MW)	547	0	0	0	518	1065
Energy Met (MU)	969	1206	1113	437	35	3761
Hydro Gen (MU)	183	29	92	46	3	352
Wind Gen (MU)	5	39	31	-----	-----	75
Solar Gen (MU)*	27.86	26.20	78.96	1.07	0.04	134
Energy Shortage (MU)	10.7	0.4	0.0	0.0	3.0	14.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46230 19:29	53581 15:47	48994 15:59	21659 20:50	1784 19:02	168326 19:34

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	0.083	0.00	3.61	17.85	21.46	65.56	12.99

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	5944	0	124.4	50.6	-1.7	123	0.0
	Haryana	6339	0	124.0	87.5	-0.3	144	0.0
	Rajasthan	9959	0	216.6	59.2	-1.5	245	0.0
	Delhi	3598	0	75.0	64.3	-2.1	237	0.0
	UP	16849	0	320.1	135.9	-0.4	331	0.0
	Uttarakhand	1759	0	35.6	10.9	0.8	128	0.0
	HP	1345	0	24.7	10.0	1.8	156	0.0
J&K	2187	547	45.4	32.2	-0.8	266	10.7	
Chandigarh	183	0	3.5	3.7	-0.2	25	0.0	
WR	Chhattisgarh	4320	0	99.6	38.8	-2.9	378	0.1
	Gujarat	16345	0	366.9	118.8	5.0	569	0.0
	MP	9714	0	206.3	80.0	1.9	719	0.0
	Maharashtra	21759	0	485.9	143.3	-1.1	710	0.0
	Goa	479	0	12.0	10.7	0.8	127	0.3
	DD	319	0	7.0	6.7	0.3	83	0.0
	DNH	760	0	17.6	17.5	0.1	103	0.0
Essar steel	551	0	11.2	10.7	0.5	366	0.0	
SR	Andhra Pradesh	8907	0	195.8	62.8	0.1	546	0.0
	Telangana	10202	0	225.3	101.2	0.8	723	0.0
	Karnataka	12510	0	247.8	82.4	-0.4	621	0.0
	Kerala	4050	0	85.3	58.7	1.1	216	0.0
	Tamil Nadu	15802	0	350.4	194.8	1.6	624	0.0
Pondy	406	0	8.4	8.5	-0.1	37	0.0	
ER	Bihar	4577	0	83.0	78.6	0.5	460	0.0
	DVC	3004	0	64.7	-51.9	0.0	396	0.0
	Jharkhand	1222	0	24.3	15.1	-0.3	169	0.0
	Odisha	4889	0	95.3	38.2	1.0	267	0.0
	West Bengal	8395	0	168.7	50.0	0.2	309	0.0
Sikkim	99	0	1.3	1.6	-0.3	18	0.0	
NER	Arunachal Pradesh	125	5	2.0	2.2	-0.2	25	0.0
	Assam	1050	120	19.8	16.0	0.1	105	2.3
	Manipur	175	3	2.1	1.7	0.4	24	0.0
	Meghalaya	308	0	5.3	4.4	0.0	57	0.4
	Mizoram	66	2	1.7	1.3	0.3	14	0.0
	Nagaland	120	2	1.9	1.9	0.0	20	0.0
Tripura	230	15	2.4	1.7	-0.9	67	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-10.0	-19.5
Day peak (MW)	168.7	-502.0	-972.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.3	-242.5	155.9	-71.1	0.1	-0.4
Actual(MU)	148.3	-248.2	181.8	-73.0	-10.3	-1.4
O/D/U/D(MU)	-9.0	-5.6	25.9	-1.8	-10.4	-1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6005	14481	6682	800	670	28638
State Sector	10035	12297	5080	1975	50	29437
Total	16040	26778	11762	2775	720	58075

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	1261	601	492	14	2895
Lignite	21	14	52	0	0	88
Hydro	183	29	92	46	3	352
Nuclear	23	31	34	0	0	88
Gas, Naptha & Diesel	26	55	18	0	26	126
RES (Wind, Solar, Biomass & Others)	64	70	148	1	0	283
Total	845	1460	944	539	43	3832

Share of RES in total generation (%)	7.58	4.81	15.66	0.21	0.09	7.40
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.93	8.89	28.96	8.68	7.16	18.87

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 : 3-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	467	0.0	7.5	-7.5
2		SASARAM-FATEHPUR	S/C	0	268	0.0	3.4	-3.4
3		GAYA-BALIA	S/C	0	212	0.0	3.8	-3.8
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	0	53	0.0	0.5	-0.5
7		PUSAULI -ALLAHABAD	S/C	0	54	0.0	0.5	-0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	732	0.0	11.2	-11.2
9		PATNA-BALIA	Q/C	0	991	0.0	18.3	-18.3
10		BIHARSHARIFF-BALIA	D/C	0	271	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	0	345	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	17	216	0.0	2.9	-2.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	140	0.0	2.8	-2.8
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	63.4	-62.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2308	0	35.1	0.0	35.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	288	336	1.0	0.0	1.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	131	206	0.0	1.8	-1.8
21		RANCHI-SIPAT	D/C	60	89	0.0	0.4	-0.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	134	0.0	2.2	-2.2
23		BUDHIPADAR-KORBA	D/C	214	0	3.4	0.0	3.4
ER-WR						39.5	4.4	35.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2098.0	0.0	41.1	-41.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.4	-15.4
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2457.0	0.0	52.3	-52.3
27	400 kV	TALCHER-I/C	D/C	0.0	724.0	0.0	9.3	-9.3
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	108.8	-108.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	938	0	14.9	0.0	15
30		ALIPURDUAR-BONGAIGAON	D/C	571	0	0.5	0.0	1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	268	0	4.2	0.0	4
ER-NER						19.6	0.0	19.6
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	659	0	15.5	0.0	15.5
NER-NR						15.5	0.0	15.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	551	0.0	13.1	-13.1
34		V'CHAL B/B	D/C	195	1	4.8	0.0	4.8
35		APL -MHG	D/C	0	1363	0.0	32.4	-32.4
36	765 kV	GWALIOR-AGRA	D/C	0	1952	0.0	35.3	-35.3
37		PHAGI-GWALIOR	D/C	0	699	0.0	12.4	-12.4
38		JABALPUR-ORAI	D/C	0	525	0.0	17.5	-17.5
39		GWALIOR-ORAI	S/C	436	0	8.8	0.0	8.8
40		SATNA-ORAI	S/C	0	1295	0.0	26.9	-26.9
41		CHITORGARH-BANASKANTHA	D/C	0	0	3.0	0.0	3.0
42		ZERDA-KANKROLI	S/C	193	3	1.4	0.0	1.4
43	400 kV	ZERDA -BHINMAL	S/C	122	79	0.3	0.0	0.3
44		V'CHAL -RIHAND	S/C	972	0	22.4	0.0	22.4
45		RAPP-SHUJALPUR	D/C	53	154	0	1	-1
46	220 kV	BADOD-KOTA	S/C	12	67	0.0	0.8	-0.8
47		BADOD-MORAK	S/C	0	108	0.0	1.5	-1.5
48		MEHGAON-AURAIYA	S/C	85	0	1.0	0.0	1.0
49	MALANPUR-AURAIYA	S/C	44	13	0.3	0.0	0.2	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.9	140.6	-98.8
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.6	-23.6
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2547	0.0	48.5	-48.5
54		WARDHA-NIZAMABAD	D/C	0	2625	0.0	50.9	-50.9
55	400 kV	KOLHAPUR-KUDGI	D/C	669	0	8.5	0.0	8.5
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	50	1.1	0.0	1.1
WR-SR						9.6	123.0	-113.3
TRANSNATIONAL EXCHANGE								
59		BHUTAN						3.8
60		NEPAL						-10.0
61		BANGLADESH						-19.5