



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: 2nd April 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 01.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 1st 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

2-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42598	49285	46230	19523	2228	159864
Peak Shortage (MW)	527	0	0	0	292	819
Energy Met (MU)	946	1188	1093	392	33	3652
Hydro Gen (MU)	181	36	81	49	3	350
Wind Gen (MU)	5	47	37	-----	-----	89
Solar Gen (MU)*	28.90	26.4	82.06	0.98	0.02	138
Energy Shortage (MU)	11.1	0.3	0.0	0.0	3.1	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45429 19:31	53077 11:25	48261 15:37	20634 19:49	2291 18:35	165604 19:43

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	0.054	0.27	0.93	10.14	11.33	69.05	19.62

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	5898	0	124.3	51.0	-2.1	25	0.0
	Haryana	6132	0	117.9	78.4	-1.3	136	0.4
	Rajasthan	9783	0	213.8	58.1	-1.9	191	0.0
	Delhi	3505	0	72.0	69.7	-1.3	135	0.0
	UP	16608	0	311.1	127.8	-0.8	258	0.0
	Uttarakhand	1603	0	34.1	10.6	0.5	198	0.0
	HP	1336	0	24.9	10.4	0.8	121	0.0
	J&K	2176	544	44.5	31.8	-0.9	192	10.6
WR	Chandigarh	170	0	3.3	3.7	-0.4	15	0.0
	Chhattisgarh	4420	0	99.0	38.7	-3.6	221	0.0
	Gujarat	16060	0	359.3	118.7	1.4	624	0.0
	MP	9683	0	205.9	67.2	0.9	558	0.0
	Maharashtra	21845	0	477.1	137.2	0.8	410	0.0
	Goa	479	0	12.0	9.6	1.9	103	0.3
	DD	286	0	6.5	6.0	0.5	43	0.0
	DNH	738	0	17.3	17.2	0.1	61	0.0
SR	Essar steel	551	0	11.1	11.3	-0.2	260	0.0
	Andhra Pradesh	8839	0	195.1	63.1	0.2	498	0.0
	Telangana	9892	0	218.5	98.6	0.7	495	0.0
	Karnataka	12400	0	243.7	81.7	-0.2	485	0.0
	Kerala	4159	0	84.7	60.8	1.4	196	0.0
	Tamil Nadu	15226	0	342.7	185.9	-0.4	492	0.0
	Pondy	388	0	8.0	8.2	-0.2	37	0.0
	ER	Bihar	4525	0	75.7	73.1	-0.9	460
DVC		3051	0	64.8	-43.7	-0.9	396	0.0
Jharkhand		1109	0	22.8	17.9	-0.8	169	0.0
Odisha		4336	0	81.3	31.4	0.3	267	0.0
West Bengal		7710	0	145.8	41.1	-1.0	309	0.0
Sikkim		98	0	1.1	1.9	-0.8	18	0.0
NER	Arunachal Pradesh	113	8	2.0	2.6	-0.6	12	0.0
	Assam	1290	135	18.0	14.4	-0.3	184	2.5
	Manipur	188	9	2.3	2.3	0.1	21	0.0
	Meghalaya	322	2	4.9	4.2	-0.1	58	0.4
	Mizoram	92	3	1.5	1.4	0.0	3	0.0
	Nagaland	106	4	1.9	1.8	0.0	59	0.0
	Tripura	225	13	2.6	1.9	0.2	53	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.0	-8.6	-18.6
Day peak (MW)	345.4	-495.0	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	155.6	-257.9	160.2	-56.7	0.6	1.8
Actual(MU)	145.7	-256.8	177.7	-67.6	-0.5	-1.6
O/D/U/D(MU)	-9.9	1.0	17.5	-10.9	-1.1	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5594	14706	6682	800	570	28352
State Sector	9510	12640	5930	3795	50	31925
Total	15104	27346	12612	4595	619	60276

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	513	1243	584	433	8	2781
Lignite	19	15	52	0	0	86
Hydro	181	36	81	49	3	350
Nuclear	23	31	34	0	0	88
Gas, Naptha & Diesel	17	51	18	0	24	110
RES (Wind, Solar, Biomass & Others)	66	79	157	1	0	303
Total	820	1455	925	483	34	3718

Share of RES in total generation (%)	8.01	5.43	17.00	0.21	0.06	8.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.93	10.04	29.37	10.44	8.70	19.94

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 : 2-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	34	414	0.0	5.3	-5.3
2		SASARAM-FATEHPUR	S/C	0	288	0.0	3.4	-3.4
3		GAYA-BALIA	S/C	0	226	0.0	3.6	-3.6
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	62	0.0	0.6	-0.6
7		PUSAULI -ALLAHABAD	S/C	5	55	0.0	0.5	-0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	827	0.0	11.9	-11.9
9		PATNA-BALIA	Q/C	0	848	0.0	14.5	-14.5
10		BIHARSHARIFF-BALIA	D/C	0	271	0.0	5.0	-5.0
11		MOTIHARI-GORAKHPUR	D/C	0	320	0.0	5.6	-5.6
12		BIHARSHARIFF-VARANASI	D/C	61	205	0.0	2.3	-2.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	174	0.0	3.7	-3.7
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	57.6	-57.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2327	0	38.8	0.0	38.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	370	244	1.1	0.0	1.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	101	170	0.0	0.7	-0.7
21		RANCHI-SIPAT	D/C	145	85	0.6	0.0	0.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	194	0	3.2	0.0	3.2
ER-WR						43.7	2.8	40.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2213.0	0.0	39.8	-39.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	666.0	0.0	12.5	-12.5
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2458.0	0.0	51.4	-51.4
27	400 kV	TALCHER-I/C	D/C	0.0	1105.0	0.0	17.7	-17.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	103.7	-103.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	755	0	10.3	0.0	10
30		ALIPURDUAR-BONGAIGAON	D/C	535	0	4.5	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	212	0	2.5	0.0	2
ER-NER						17.3	0.0	17.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	16.2	0.0	16.2
NER-NR						16.2	0.0	16.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	552	0.0	13.1	-13.1
34		V'CHAL B/B	D/C	193	0	4.8	0.0	4.8
35		APL -MHG	D/C	0	1551	0.0	29.9	-29.9
36	765 kV	GWALIOR-AGRA	D/C	0	2067	0.0	36.9	-36.9
37		PHAGI-GWALIOR	D/C	0	880	0.0	14.1	-14.1
38		JABALPUR-ORAI	D/C	0	570	0.0	18.9	-18.9
39		GWALIOR-ORAI	S/C	463	0	9.3	0.0	9.3
40		SATNA-ORAI	S/C	0	1313	0.0	27.0	-27.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	2.4	0.0	2.4
42		ZERDA-KANKROLI	S/C	192	16	2.7	0.0	2.7
43	400 kV	ZERDA -BHINMAL	S/C	104	104	0.0	0.3	-0.3
44		V'CHAL -RIHAND	S/C	976	0	20.5	0.0	20.5
45		RAPP-SHUJALPUR	D/C	33	251	0	1	-1
46	220 kV	BADOD-KOTA	S/C	5	65	0.0	1.0	-1.0
47		BADOD-MORAK	S/C	0	118	0.0	1.6	-1.6
48		MEHGAON-AURAIYA	S/C	75	0	1.0	0.0	1.0
49	132kV	MALANPUR-AURAIYA	S/C	37	23	0.2	0.1	0.2
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.0	144.2	-103.3
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.7	-23.7
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2393	0.0	44.8	-44.8
54		WARDHA-NIZAMABAD	D/C	0	2532	0.0	52.0	-52.0
55	400 kV	KOLHAPUR-KUDGI	D/C	651	0	9.1	0.0	9.1
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	63	1.3	0.0	1.3
WR-SR						10.4	120.5	-110.1
TRANSNATIONAL EXCHANGE								
59		BHUTAN						7.0
60		NEPAL						-8.6
61		BANGLADESH						-18.6