



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: 26th 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 25.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th April 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

26-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	50958	51370	44505	22527	2733	172093
Peak Shortage (MW)	532	30	0	0	56	618
Energy Met (MU)	1108	1269	1037	473	48	3936
Hydro Gen (MU)	254	50	77	66	6	454
Wind Gen (MU)	9	55	40	-----	-----	104
Solar Gen (MU)*	24.86	25.8	91.54	2.05	0.04	144
Energy Shortage (MU)	9.9	0.1	0.0	0.0	3.4	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51674 19:56	55935 15:29	45342 22:28	22805 19:31	2702 19:02	174389 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	0.034	0.00	0.21	7.09	7.30	78.66	14.04

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	126.4	49.1	-1.8	19	0.0	
	Haryana	7353	0	144.5	106.9	-0.4	132	0.0	
	Rajasthan	10076	0	226.7	77.9	-1.4	343	0.0	
	Delhi	5468	0	111.4	94.1	0.3	216	0.0	
	UP	18697	0	387.1	171.5	0.1	553	0.0	
	Uttarakhand	1869	0	40.5	19.3	-0.8	211	0.0	
	HP	1307	0	25.4	5.3	-1.0	201	0.0	
	J&K	2126	532	41.7	23.4	-2.3	127	9.9	
	Chandigarh	239	0	4.8	5.5	-0.8	-8	0.0	
	WR	Chhattisgarh	4490	0	103.9	46.4	-3.9	203	0.0
Gujarat		17301	0	387.3	117.3	2.6	512	0.0	
MP		9634	0	219.3	96.1	-0.5	411	0.0	
Maharashtra		22973	0	513.1	149.8	-1.5	504	0.0	
Goa		541	30	13.5	11.4	1.5	44	0.1	
DD		331	0	7.4	7.2	0.2	35	0.0	
DNH		816	0	19.0	18.9	0.1	68	0.0	
Essar steel		302	0	5.7	5.7	0.0	315	0.0	
SR		Andhra Pradesh	8724	0	189.3	61.8	-0.4	465	0.0
		Telangana	8120	0	176.0	53.2	0.2	333	0.0
	Karnataka	12023	0	241.9	76.9	0.2	444	0.0	
	Kerala	3707	0	78.4	54.1	1.1	431	0.0	
	Tamil Nadu	15741	0	342.2	185.9	-0.3	394	0.0	
	Pondy	426	0	9.1	9.2	-0.1	51	0.0	
	ER	Bihar	5043	0	99.8	94.4	0.0	140	0.0
DVC		3231	0	68.7	-61.5	0.7	280	0.0	
Jharkhand		1273	0	26.5	16.7	0.0	70	0.0	
Odisha		5116	0	95.4	30.0	2.9	480	0.0	
West Bengal		8821	0	181.2	57.2	3.4	390	0.0	
Sikkim		96	0	1.4	1.6	-0.3	30	0.0	
NER	Arunachal Pradesh	121	3	2.2	2.1	0.1	46	0.0	
	Assam	1693	23	28.9	23.9	1.8	159	2.9	
	Manipur	158	4	2.8	2.0	0.8	47	0.0	
	Meghalaya	297	0	5.0	3.4	0.3	32	0.4	
	Mizoram	94	3	1.8	1.5	0.1	15	0.0	
	Nagaland	130	2	2.1	2.0	0.1	30	0.0	
	Tripura	294	9	5.4	3.7	1.7	49	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.4	-9.7	-24.4
Day peak (MW)	664.6	-526.8	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	203.2	-260.4	110.0	-56.5	3.3	-0.4
Actual(MU)	189.3	-270.9	123.2	-47.4	10.4	4.6
O/D/U/D(MU)	-14.0	-10.5	13.2	9.2	7.1	4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4760	12099	6502	1825	773	25959
State Sector	8100	12868	4720	2635	50	28373
Total	12860	24967	11222	4460	823	54332

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	544	1338	583	487	10	2963
Lignite	19	16	54	0	0	90
Hydro	254	51	77	66	6	454
Nuclear	27	28	37	0	0	92
Gas, Naptha & Diesel	35	45	16	0	27	124
RES (Wind, Solar, Biomass & Others)	63	86	159	2	0	310
Total	943	1564	927	556	43	4033

Share of RES in total generation (%)	6.66	5.51	17.14	0.38	0.09	7.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.55	10.50	29.48	12.32	13.56	21.24

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 : 26-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	15	468	0.0	7.2	-7.2
2		SASARAM-FATEHPUR	S/C	61	229	0.0	2.8	-2.8
3		GAYA-BALIA	S/C	0	355	0.0	6.9	-6.9
4		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	85	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	S/C	24	14	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	772	0.0	11.0	-11.0
9		PATNA-BALIA	Q/C	0	673	0.0	11.8	-11.8
10		BIHARSHARIFF-BALIA	D/C	0	319	0.0	6.6	-6.6
11		MOTIHARI-GORAKHPUR	D/C	0	291	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	183	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	0	0	0.0	0.0	0.0
ER-NR						0.9	56.8	-55.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2035	0	34.3	0.0	34.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	828	0	10.4	0.0	10.4
20		JHARSUGUDA-DURG	D/C	282	0	2.8	0.0	2.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	324	14	2.9	0.0	2.9
22		RANCHI-SIPAT	D/C	321	0	3.8	0.0	3.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	118	0.0	1.9	-1.9
24		BUDHIPADAR-KORBA	D/C	183	0	3.1	0.0	3.1
ER-WR						57.3	1.9	55.4
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1889.0	0.0	32.6	-32.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	525.0	0.0	12.2	-12.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	51.5	-51.5
28	400 kV	TALCHER-I/C	D/C	0.0	833.0	0.0	8.8	-8.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	96.3	-96.3
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	280	160	1.7	0.0	2
31		ALIPURDUAR-BONGAIGAON	D/C	386	68	3.6	0.0	4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	79	33	0.5	0.0	0
ER-NER						5.8	0.0	5.8
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	655	0	16.1	0.0	16.1
NER-NR						16.1	0.0	16.1
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1206	0.0	28.4	-28.4
35		V'CHAL B/B	D/C	242	2	5.3	0.0	5.3
36		APL -MHG	D/C	0	1359	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2262	0.0	43.2	-43.2
38		PHAGI-GWALIOR	D/C	0	1026	0.0	20.0	-20.0
39		JABALPUR-ORAI	D/C	0	769	0.0	28.6	-28.6
40		GWALIOR-ORAI	S/C	713	0	12.2	0.0	12.2
41		SATNA-ORAI	S/C	0	1556	0.0	30.9	-30.9
42		CHITORGARH-BANASKANTHA	D/C	289	449	0.5	0.0	0.5
43		ZERDA-KANKROLI	S/C	176	23	2.3	0.0	2.3
44	400 kV	ZERDA -BHINMAL	S/C	114	116	0.0	0.7	-0.7
45		V'CHAL -RIHAND	S/C	961	0	22.4	0.0	22.4
46		RAPP-SHUJALPUR	D/C	12	293	0	2	-2
47	220 kV	BADOD-KOTA	S/C	16	38	0.0	0.7	-0.7
48		BADOD-MORAK	S/C	0	108	0.0	1.6	-1.6
49		MEHGAON-AURAIYA	S/C	49	8	0.4	0.0	0.4
50		MALANPUR-AURAIYA	S/C	14	33	0.0	0.4	-0.4
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.1	190.2	-147.1
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	481	0.0	11.3	-11.3
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2096	0.0	31.1	-31.1
55		WARDHA-NIZAMABAD	D/C	0	2118	0.0	31.8	-31.8
56	400 kV	KOLHAPUR-KUDGI	D/C	522	158	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	63	1.3	0.0	1.3
WR-SR						5.4	74.2	-68.8
TRANSNATIONAL EXCHANGE								
60		BHUTAN						8.4
61		NEPAL						-9.7
62		BANGLADESH						-24.4