



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: 25th 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., डोंगतेिह, 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 24.04.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-अप्रैल-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 24th April 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

25-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	47698	50853	43941	21899	2638	167029
Peak Shortage (MW)	605	0	0	200	117	922
Energy Met (MU)	1063	1243	1014	454	47	3821
Hydro Gen (MU)	242	42	74	59	6	422
Wind Gen (MU)	30	58	32	-----	-----	120
Solar Gen (MU)*	25.18	26.03	87.68	2.24	0.05	141
Energy Shortage (MU)	7.7	0.0	0.0	0.6	1.8	10.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50999 22:39	55165 16:12	45072 22:25	22709 20:18	2657 18:29	173318 22:51

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	0.048	0.00	0.97	9.48	10.45	72.28	17.27

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	5547	0	108.6	45.9	-2.1	159	0.0	
	Haryana	7102	0	141.7	103.9	-0.8	277	0.0	
	Rajasthan	9788	0	221.1	73.1	-1.1	363	0.0	
	Delhi	5243	0	106.7	89.6	-0.5	114	0.0	
	UP	18890	0	380.7	172.1	0.7	758	0.0	
	Uttarakhand	1922	0	41.2	18.9	-0.4	140	0.0	
	HP	1301	0	24.8	6.8	-2.0	107	0.0	
	J&K	1790	447	33.7	19.8	-7.2	31	7.6	
	Chandigarh	244	0	4.6	5.5	-0.9	4	0.0	
	WR	Chhattisgarh	4542	0	102.6	52.0	-3.1	324	0.0
Gujarat		17296	0	379.2	115.1	3.6	632	0.0	
MP		9515	0	216.4	96.2	-0.3	503	0.0	
Maharashtra		22543	0	500.6	145.2	-1.0	543	0.0	
Goa		440	0	13.8	11.0	2.6	60	0.0	
DD		333	0	6.8	6.3	0.5	78	0.0	
DNH		810	0	18.1	17.8	0.2	201	0.0	
Essar steel		315	0	5.2	5.6	-0.4	268	0.0	
SR		Andhra Pradesh	8616	0	186.1	61.5	-0.1	423	0.0
		Telangana	7993	0	171.1	47.3	0.0	463	0.0
	Karnataka	11602	0	233.1	70.7	0.2	498	0.0	
	Kerala	3739	0	77.4	53.2	1.4	164	0.0	
	Tamil Nadu	15357	0	337.7	188.3	-0.9	489	0.0	
	Pondy	421	0	8.9	9.1	-0.2	46	0.0	
	ER	Bihar	5243	0	98.1	91.0	2.2	260	0.0
DVC		3191	0	67.9	-57.8	0.1	235	0.0	
Jharkhand		1123	0	25.1	14.8	-0.1	253	0.0	
Odisha		4620	200	92.0	25.9	3.0	470	0.6	
West Bengal		8841	0	171.1	49.9	1.4	461	0.0	
Sikkim		96	0	1.4	1.5	-0.1	35	0.0	
NER	Arunachal Pradesh	119	2	2.1	2.3	-0.2	44	0.0	
	Assam	1621	56	27.1	22.4	1.4	171	1.3	
	Manipur	169	3	2.6	2.1	0.5	36	0.0	
	Meghalaya	319	0	5.4	3.7	0.3	36	0.4	
	Mizoram	94	5	1.8	1.5	0.1	16	0.0	
	Nagaland	121	4	2.0	1.9	0.1	41	0.0	
	Tripura	291	12	5.6	4.0	1.4	86	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.1	-10.5	-24.0
Day peak (MW)	477.7	-544.8	-1119.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	189.6	-251.4	108.0	-49.0	2.2	-0.6
Actual(MU)	169.5	-260.1	119.9	-39.6	7.2	-3.1
O/D/U/D(MU)	-20.1	-8.7	11.8	9.4	5.0	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4970	11969	6502	1825	823	26089
State Sector	9920	13009	4930	2635	50	30544
Total	14890	24978	11432	4460	873	56633

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	508	1304	570	462	11	2855
Lignite	18	15	53	0	0	85
Hydro	242	42	74	59	6	422
Nuclear	27	27	36	0	0	91
Gas, Naptha & Diesel	36	44	16	0	28	124
RES (Wind, Solar, Biomass & Others)	84	88	153	2	0	328
Total	915	1520	902	523	44	3905

Share of RES in total generation (%)	9.23	5.79	16.94	0.44	0.11	8.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.60	10.34	29.19	11.68	13.18	21.53

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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 : 25-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	448	0.0	6.7	-6.7
2		SASARAM-FATEHPUR	S/C	47	196	0.0	2.7	-2.7
3		GAYA-BALIA	S/C	0	338	0.0	6.2	-6.2
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	73	0.0	1.3	-1.3
7		PUSAULI -ALLAHABAD	S/C	14	15	0.2	0.0	0.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	670	0.0	8.8	-8.8
9		PATNA-BALIA	Q/C	0	666	0.0	12.9	-12.9
10		BIHARSHARIFF-BALIA	D/C	0	283	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	0	272	0.0	4.8	-4.8
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	192	0.0	3.8	-3.8
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						0.8	53.5	-52.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2077	0	38.3	0.0	38.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	744	0	9.3	0.0	9.3
20		JHARSUGUDA-DURG	D/C	269	0	3.3	0.0	3.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	311	19	2.6	0.0	2.6
22		RANCHI-SIPAT	D/C	294	0	3.3	0.0	3.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	109	0.0	1.7	-1.7
24		BUDHIPADAR-KORBA	D/C	161	11	1.9	0.0	1.9
ER-WR						58.7	1.7	56.9
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1798.0	0.0	31.4	-31.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	563.0	0.0	12.2	-12.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2450.0	0.0	48.3	-48.3
28	400 kV	TALCHER-I/C	D/C	0.0	847.0	0.0	9.6	-9.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	91.9	-91.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	330	240	2.5	0.0	3
31		ALIPURDUAR-BONGAIGAON	D/C	447	167	5.0	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	76	58	0.8	0.0	1
ER-NER						8.3	0.0	8.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	650	0	15.0	0.0	15.0
NER-NR						15.0	0.0	15.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1201	0.0	24.5	-24.5
35		V'CHAL B/B	D/C	242	2	5.5	0.0	5.5
36		APL -MHG	D/C	0	1359	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2372	0.0	43.1	-43.1
38		PHAGI-GWALIOR	D/C	0	1027	0.0	19.5	-19.5
39		JABALPUR-ORAI	D/C	0	720	0.0	25.7	-25.7
40		GWALIOR-ORAI	S/C	492	0	10.0	0.0	10.0
41		SATNA-ORAI	S/C	0	1381	0.0	28.3	-28.3
42		CHITORGARH-BANASKANTHA	D/C	285	397	0.0	0.0	0.0
43		ZERDA-KANKROLI	S/C	215	0	3.0	0.0	3.0
44	400 kV	ZERDA -BHINMAL	S/C	156	37	1.3	0.0	1.3
45		V'CHAL -RIHAND	S/C	965	0	22.3	0.0	22.3
46		RAPP-SHUJALPUR	D/C	64	246	0	1	-1
47	220 kV	BADOD-KOTA	S/C	21	52	0.0	0.8	-0.8
48		BADOD-MORAK	S/C	0	111	0.0	1.7	-1.7
49		MEHGAON-AURAIYA	S/C	51	0	0.5	0.0	0.5
50		MALANPUR-AURAIYA	S/C	16	36	0.0	0.3	-0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.7	178.8	-136.1
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	474	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	2100	0.0	30.3	-30.3
55		WARDHA-NIZAMABAD	D/C	0	2047	0.0	33.4	-33.4
56	400 kV	KOLHAPUR-KUDGI	D/C	569	41	5.1	0.0	5.1
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	1	61	1.0	0.0	1.0
WR-SR						6.1	75.0	-68.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						5.1
61		NEPAL						-10.5
62		BANGLADESH						-24.0