



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: 24th 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 23.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd 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

24-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	49837	47919	42232	20654	2605	163247
Peak Shortage (MW)	512	0	0	0	32	544
Energy Met (MU)	1059	1207	974	432	45	3717
Hydro Gen (MU)	238	37	63	52	6	396
Wind Gen (MU)	32	56	31	-----	-----	119
Solar Gen (MU)*	26.72	25.47	86.48	2.02	0.05	141
Energy Shortage (MU)	10.0	0.0	0.0	0.0	0.9	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50808 22:51	52689 00:01	43302 12:45	21404 20:25	2624 18:47	167669 22:46

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	0.038	0.00	0.06	5.17	5.23	67.44	27.33

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	6233	0	129.0	46.8	-0.9	43	0.0	
	Haryana	7301	0	138.6	105.1	-1.0	162	0.0	
	Rajasthan	9808	0	216.8	63.4	-0.1	581	0.0	
	Delhi	4802	0	99.3	80.6	-0.7	165	0.0	
	UP	18371	0	362.0	171.1	0.3	544	0.0	
	Uttarakhand	1868	0	39.5	16.8	0.2	205	0.0	
	HP	1314	0	26.0	8.0	-1.0	87	0.0	
	J&K	2049	512	43.0	25.6	-1.7	109	10.0	
	Chandigarh	222	0	4.4	4.7	-0.4	27	0.0	
	WR	Chhattisgarh	4390	0	100.5	53.5	-3.7	276	0.0
Gujarat		16451	0	359.9	106.7	2.7	645	0.0	
MP		9390	0	212.0	91.3	0.1	503	0.0	
Maharashtra		22229	0	494.5	141.7	-1.5	460	0.0	
Goa		440	0	13.8	9.5	4.1	48	0.0	
DD		309	0	5.1	4.6	0.4	71	0.0	
DNH		785	0	16.2	16.1	0.1	52	0.0	
Essar steel		325	0	5.5	5.7	-0.2	365	0.0	
SR		Andhra Pradesh	8496	0	178.2	59.7	-0.3	470	0.0
		Telangana	7544	0	164.1	43.9	0.2	562	0.0
	Karnataka	11947	0	230.6	73.1	0.9	530	0.0	
	Kerala	3530	0	68.5	52.6	1.1	215	0.0	
	Tamil Nadu	14746	0	323.2	179.9	0.3	655	0.0	
	Pondy	426	0	9.0	9.2	-0.2	58	0.0	
	ER	Bihar	5000	0	89.4	84.9	-0.5	200	0.0
DVC		3055	0	66.1	-54.8	0.4	250	0.0	
Jharkhand		1000	0	24.1	14.1	-0.3	80	0.0	
Odisha		4268	0	90.8	24.7	1.8	350	0.0	
West Bengal		8374	0	160.4	45.8	0.5	400	0.0	
Sikkim		98	0	1.3	1.3	0.0	20	0.0	
NER	Arunachal Pradesh	126	2	2.2	2.4	-0.3	28	0.0	
	Assam	1536	15	25.8	21.0	1.3	169	0.8	
	Manipur	168	1	2.6	2.0	0.6	31	0.0	
	Meghalaya	323	0	5.5	4.2	0.2	48	0.1	
	Mizoram	93	1	1.7	1.5	0.0	9	0.0	
	Nagaland	128	2	2.2	2.1	0.1	17	0.0	
	Tripura	299	1	5.3	4.4	0.4	83	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.5	-8.6	-23.5
Day peak (MW)	488.1	-543.0	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	196.3	-257.6	111.1	-50.2	0.3	0.1
Actual(MU)	186.6	-260.0	119.6	-54.8	4.9	-3.7
O/D/U/D(MU)	-9.8	-2.4	8.4	-4.7	4.6	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5220	12247	6712	2625	544	27348
State Sector	11200	13679	4930	2385	50	32244
Total	16420	25926	11642	5010	594	59592

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	496	1276	550	460	11	2793
Lignite	14	14	49	0	0	77
Hydro	238	37	63	52	6	396
Nuclear	28	27	37	0	0	91
Gas, Naptha & Diesel	34	47	15	0	28	124
RES (Wind, Solar, Biomass & Others)	88	87	150	2	0	326
Total	897	1489	863	514	45	3807

Share of RES in total generation (%)	9.78	5.82	17.35	0.40	0.11	8.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.35	10.16	28.85	10.60	12.55	21.36

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 : 24-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	587	0.0	8.7	-8.7
2		SASARAM-FATEHPUR	S/C	0	240	0.0	4.0	-4.0
3		GAYA-BALIA	S/C	0	373	0.0	6.5	-6.5
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	78	0.0	1.2	-1.2
7		PUSAULI -ALLAHABAD	S/C	19	30	0.1	0.0	0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	795	0.0	10.5	-10.5
9		PATNA-BALIA	Q/C	0	715	0.0	14.3	-14.3
10		BIHARSHARIFF-BALIA	D/C	0	307	0.0	5.8	-5.8
11		MOTIHARI-GORAKHPUR	D/C	0	308	0.0	5.4	-5.4
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	183	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	0.6	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						0.7	61.1	-60.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2107	0	33.7	0.0	33.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	620	0	3.9	0.0	3.9
20		JHARSUGUDA-DURG	D/C	241	0	2.1	0.0	2.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	295	48	2.0	0.0	2.0
22		RANCHI-SIPAT	D/C	238	0	2.9	0.0	2.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	100	0	1.1	0.0	1.1
ER-WR						45.7	1.2	44.4
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1701.0	0.0	33.1	-33.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	692.0	0.0	12.5	-12.5
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2460.0	0.0	46.3	-46.3
28	400 kV	TALCHER-I/C	D/C	476.0	838.0	0.0	4.3	-4.3
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	349	115	3.5	0.0	3
31		ALIPURDUAR-BONGAIGAON	D/C	449	19	5.4	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	70	28	0.8	0.0	1
ER-NER						9.7	0.0	9.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	608	14.9	0.0	14.9
NER-NR						14.9	0.0	14.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	23.7	-23.7
35		V'CHAL B/B	D/C	243	2	3.1	0.0	3.1
36		APL -MHG	D/C	0	1359	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2477	0.0	45.3	-45.3
38		PHAGI-GWALIOR	D/C	0	1055	0.0	20.0	-20.0
39		JABALPUR-ORAI	D/C	0	770	0.0	26.1	-26.1
40		GWALIOR-ORAI	S/C	535	0	10.6	0.0	10.6
41		SATNA-ORAI	S/C	0	1393	0.0	28.5	-28.5
42		CHITORGARH-BANASKANTHA	D/C	240	607	0.0	0.0	0.0
43		ZERDA-KANKROLI	S/C	188	47	2.4	0.0	2.4
44	400 kV	ZERDA -BHINMAL	S/C	102	96	0.6	0.0	0.6
45		V'CHAL -RIHAND	S/C	973	0	22.4	0.0	22.4
46		RAPP-SHUJALPUR	D/C	31	257	0	1	-1
47	220 kV	BADOD-KOTA	S/C	18	72	0.0	1.0	-1.0
48		BADOD-MORAK	S/C	0	98	0.0	1.8	-1.8
49		MEHGAON-AURAIYA	S/C	38	3	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	7	38	0.0	0.4	-0.4
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.5	181.7	-142.3
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	485	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	2283	0.0	31.7	-31.7
55		WARDHA-NIZAMABAD	D/C	0	2179	0.0	29.2	-29.2
56	400 kV	KOLHAPUR-KUDGI	D/C	399	212	2.7	0.0	2.7
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	59	1.2	0.0	1.2
WR-SR						3.9	72.2	-68.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						6.5
61		NEPAL						-8.6
62		BANGLADESH						-23.5