



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: 16th 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 15.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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

16-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48045	48576	45381	20761	2170	164933
Peak Shortage (MW)	472	0	0	0	208	680
Energy Met (MU)	1007	1210	1076	455	39	3787
Hydro Gen (MU)	195	38	68	57	4	363
Wind Gen (MU)	31	84	34	-----	-----	149
Solar Gen (MU)*	22.09	17.2	89.66	2.05	0.03	131
Energy Shortage (MU)	10.7	0.0	0.0	0.0	2.0	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48252 19:54	55039 14:58	47705 15:40	21702 21:31	2191 18:54	166813 19:37

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	0.026	0.00	0.00	1.08	1.08	79.19	19.73

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	6022	0	118.1	39.3	-2.7	165	0.0
	Haryana	7251	0	127.4	91.8	-0.8	309	0.0
	Rajasthan	9842	0	205.8	54.2	-2.4	542	0.0
	Delhi	4738	0	97.2	80.1	0.4	154	0.1
	UP	18338	0	351.0	158.7	1.0	703	0.0
	Uttarakhand	1897	0	39.0	17.5	0.2	80	0.0
	HP	1163	0	23.2	5.7	0.0	147	0.0
	J&K	2052	513	41.6	30.1	1.3	203	10.7
WR	Chandigarh	202	0	4.1	4.6	-0.5	9	0.0
	Chhattisgarh	4392	0	102.1	47.4	-3.3	381	0.0
	Gujarat	17163	0	379.8	100.9	4.6	774	0.0
	MP	9361	0	202.9	90.9	-0.8	541	0.0
	Maharashtra	22823	0	483.8	142.9	-1.6	750	0.0
	Goa	513	0	11.8	11.4	-0.3	69	0.0
	DD	331	0	7.5	7.3	0.1	32	0.0
	DNH	798	0	18.4	18.5	-0.1	57	0.0
	Essar steel	227	0	4.1	5.7	-1.6	170	0.0
	SR	Andhra Pradesh	8685	0	193.5	66.1	1.7	615
Telangana		8926	0	195.2	70.7	-3.1	480	0.0
Karnataka		12294	0	243.1	81.5	0.3	615	0.0
Kerala		4166	0	83.0	60.5	1.4	202	0.0
Tamil Nadu		15739	0	352.6	189.0	0.8	839	0.0
Pondy		416	0	8.5	8.7	-0.2	27	0.0
ER	Bihar	4929	0	92.8	87.8	1.5	150	0.0
	DVC	3218	0	69.9	-43.6	0.2	300	0.0
	Jharkhand	1000	0	24.6	19.8	-1.0	100	0.0
	Odisha	4316	0	95.1	34.9	1.4	350	0.0
	West Bengal	8658	0	171.1	57.1	0.9	200	0.0
	Sikkim	96	0	1.2	1.0	0.2	35	0.0
NER	Arunachal Pradesh	115	2	2.0	2.3	-0.4	26	0.0
	Assam	1267	107	22.3	20.7	-2.5	131	1.3
	Manipur	141	3	1.7	2.4	-0.7	14	0.2
	Meghalaya	288	30	5.2	4.1	0.0	62	0.4
	Mizoram	87	1	1.7	1.5	0.1	25	0.0
	Nagaland	119	2	2.0	2.0	-0.1	29	0.0
	Tripura	246	0	3.7	3.6	-0.2	94	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.1	-7.2	-23.2
Day peak (MW)	739.5	-448.1	-1136.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	170.6	-256.9	128.1	-41.4	-0.4	0.0
Actual(MU)	157.2	-265.5	147.2	-37.5	-2.7	-1.3
O/D/U/D(MU)	-13.4	-8.6	19.2	3.9	-2.3	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5606	10139	6252	600	451	23047
State Sector	11225	12803	4610	2895	50	31583
Total	16831	22942	10862	3495	501	54630

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	505	1252	601	466	12	2836
Lignite	16	16	59	0	0	92
Hydro	195	38	68	57	4	363
Nuclear	27	30	37	0	0	93
Gas, Naptha & Diesel	31	56	16	0	30	132
RES (Wind, Solar, Biomass & Others)	86	108	159	2	0	355
Total	861	1499	940	525	46	3871

Share of RES in total generation (%)	10.00	7.21	16.86	0.40	0.07	9.17
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.81	11.72	28.05	11.20	9.48	20.95

H. Diversity Factor

All India Demand Diversity Factor	1.048
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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 :	16-Apr-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	393	0.0	5.8	-5.8	
2		SASARAM-FATEHPUR	S/C	0	279	0.0	3.1	-3.1	
3		GAYA-BALIA	S/C	0	297	0.0	4.0	-4.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	50	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	64	0.0	0.9	-0.9	
7		PUSAULI -ALLAHABAD	S/C	6	50	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	783	0.0	11.2	-11.2	
9		PATNA-BALIA	Q/C	0	811	0.0	13.8	-13.8	
10		BIHARSHARIFF-BALIA	D/C	0	270	0.0	4.7	-4.7	
11		MOTIHARI-GORAKHPUR	D/C	0	323	0.0	5.7	-5.7	
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	189	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	1	0	0.0	0.0	0.0	
						ER-NR	0.6	54.1	-53.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1978	0	35.9	0.0	35.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	622	0	7.0	0.0	7.0	
20		JHARSUGUDA-DURG	D/C	189	60	0.9	0.0	0.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	332	64	1.6	0.0	1.6	
22		RANCHI-SIPAT	D/C	294	0	2.7	0.0	2.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	106	0.0	1.7	-1.7	
24		BUDHIPADAR-KORBA	D/C	199	0	3.3	0.0	3.3	
						ER-WR	51.4	1.7	49.7
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1824.0	0.0	34.4	-34.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	747.0	0.0	13.8	-13.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	48.1	-48.1	
28	400 kV	TALCHER-I/C	D/C	635.0	737.0	0.0	5.4	-5.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	96.2	-96.2
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	391	0	7.0	0.0	7	
31		ALIPURDUAR-BONGAIGAON	D/C	520	0	9.6	0.0	10	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	95	0	1.6	0.0	2	
						ER-NER	18.1	0.0	18.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	664	0	15.5	0.0	15.5	
						NER-NR	15.5	0.0	15.5
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1310	0.0	24.4	-24.4	
35		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
36		APL -MHG	D/C	0	1075	0.0	26.7	-26.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2447	0.0	41.1	-41.1	
38		PHAGI-GWALIOR	D/C	0	960	0.0	15.9	-15.9	
39		JABALPUR-ORAI	D/C	0	717	0.0	23.6	-23.6	
40		GWALIOR-ORAI	S/C	459	0	8.4	0.0	8.4	
41		SATNA-ORAI	S/C	0	1486	0.0	30.2	-30.2	
42		CHITORGARH-BANASKANTHA	D/C	441	414	3.5	0.0	3.5	
43		ZERDA-KANKROLI	S/C	240	16	2.1	0.0	2.1	
44	400 kV	ZERDA -BHINMAL	S/C	205	189	0.3	0.0	0.3	
45		V'CHAL -RIHAND	S/C	976	0	22.0	0.0	22.0	
46	220 kV	RAPP-SHUJALPUR	D/C	160	252	0	0	0	
47		BADOD-KOTA	S/C	55	28	0.3	0.1	0.2	
48		BADOD-MORAK	S/C	24	64	0.0	0.7	-0.6	
49		MEHGAON-AURAIYA	S/C	51	51	0.5	0.1	0.4	
50	132kV	MALANPUR-AURAIYA	S/C	27	69	0.1	0.3	-0.2	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.3	163.0	-119.7
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	478	0.0	8.8	-8.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2543	0.0	44.9	-44.9	
55		WARDHA-NIZAMABAD	D/C	0	2492	0.0	44.8	-44.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	395	149	3.4	0.0	3.4	
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	70	1.4	0.0	1.4	
						WR-SR	4.8	98.4	-93.6
TRANSNATIONAL EXCHANGE									
60		BHUTAN						9.1	
61		NEPAL						-7.2	
62		BANGLADESH						-23.2	