



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: 15th May 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 14.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-मई-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 14th May 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

15-May-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52783	49622	43465	20043	2334	168247
Peak Shortage (MW)	581	0	30	0	282	893
Energy Met (MU)	1150	1220	1029	430	39	3867
Hydro Gen (MU)	256	49	75	63	15	459
Wind Gen (MU)	36	97	113	-----	-----	245
Solar Gen (MU)*	25.27	26.6	80.76	0.95	0.05	134
Energy Shortage (MU)	11.8	0.0	0.2	0.0	5.1	17.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55744 22:44	54601 15:36	45048 14:53	20642 19:53	2402 20:24	175055 22:52

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	0.035	0.00	0.32	8.17	8.50	78.78	12.72

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	7599	0	151.4	78.1	-1.7	59	0.0
	Haryana	7916	0	152.1	114.2	0.2	309	0.0
	Rajasthan	10250	0	212.5	59.0	-0.2	506	0.0
	Delhi	5171	0	106.0	90.2	-1.1	230	0.0
	UP	19912	0	405.6	176.1	1.4	900	0.7
	Uttarakhand	1963	0	43.0	19.5	0.2	165	0.0
	HP	1343	0	28.0	6.5	1.1	174	0.1
	J&K	2372	593	46.5	26.1	-0.6	188	11.0
WR	Chandigarh	240	0	4.8	5.8	-1.0	-27	0.0
	Chhattisgarh	4044	0	90.3	52.1	-2.9	287	0.0
	Gujarat	17200	0	378.9	83.4	4.9	571	0.0
	MP	9377	0	208.4	99.7	0.0	544	0.0
	Maharashtra	22364	0	500.6	129.7	-0.7	1115	0.0
	Goa	541	0	11.5	11.3	-0.4	150	0.0
	DD	328	0	7.4	6.9	0.5	37	0.0
	DNH	784	0	18.2	18.3	-0.1	49	0.0
SR	Essar steel	239	0	4.5	5.7	-1.2	152	0.0
	Andhra Pradesh	9459	0	197.0	46.6	-0.1	589	0.0
	Telangana	7923	0	169.7	47.0	1.5	608	0.0
	Karnataka	10983	0	223.6	54.0	0.4	794	0.0
	Kerala	4014	0	85.1	56.9	1.7	325	0.0
	Tamil Nadu	15088	0	344.4	147.9	-0.2	628	0.0
	Pondy	420	30	8.9	8.8	0.1	106	0.2
	ER	Bihar	5242	0	100.3	99.0	-1.0	302
DVC		3073	0	65.7	-43.5	-3.8	345	0.0
Jharkhand		1087	0	23.7	15.7	-1.7	165	0.0
Odisha		3941	0	81.6	28.5	0.9	400	0.0
West Bengal		8450	0	157.1	54.6	1.2	445	0.0
Sikkim		95	0	1.2	1.4	-0.2	20	0.0
NER	Arunachal Pradesh	109	2	2.1	2.2	-0.1	22	0.0
	Assam	1436	153	21.5	16.6	0.7	131	4.5
	Manipur	173	1	2.4	2.3	0.1	36	0.0
	Meghalaya	310	8	5.1	2.7	0.1	45	0.4
	Mizoram	96	2	1.9	1.4	0.3	24	0.0
	Nagaland	123	4	1.9	1.6	0.3	55	0.0
	Tripura	275	3	4.0	3.7	0.1	64	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.0	-9.7	-22.5
Day peak (MW)	605.4	-533.0	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.0	-257.9	93.8	-46.1	-11.3	0.5
Actual(MU)	205.6	-255.8	114.8	-46.1	-12.6	5.9
O/D/U/D(MU)	-16.4	2.1	21.0	0.0	-1.3	5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4607	13759	10642	1350	35	30394
State Sector	9465	13529	3730	3705	50	30479
Total	14072	27288	14372	5055	85	60872

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	541	1227	526	443	12	2749
Lignite	17	14	41	0	0	72
Hydro	256	49	75	63	15	459
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	34	52	15	0	29	131
RES (Wind, Solar, Biomass & Others)	84	131	228	1	0	444
Total	960	1504	923	507	56	3951

Share of RES in total generation (%)	8.78	8.70	24.67	0.20	0.09	11.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.37	13.99	36.79	12.62	27.66	25.26

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 : 15-May-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	190	173	0.4	0.0	0.4
2		SASARAM-FATEHPUR	S/C	204	184	0.6	0.0	0.6
3		GAYA-BALIA	S/C	0	244	0.0	3.6	-3.6
4	HVDC	ALIPURDUAR-AGRA	-	0	900	0.0	21.6	-21.6
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	101	0.0	1.8	-1.8
7		PUSAULI -ALLAHABAD	S/C	41	24	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	667	0.0	5.9	-5.9
9		PATNA-BALIA	Q/C	0	749	0.0	9.5	-9.5
10		BIHARSHARIFF-BALIA	D/C	0	389	0.0	5.0	-5.0
11		MOTIHARI-GORAKHPUR	D/C	0	300	0.0	5.2	-5.2
12		BIHARSHARIFF-VARANASI	D/C	196	218	0.3	0.0	0.3
13	220 kV	PUSAULI-SAHUPURI	S/C	2	212	0.0	3.9	-3.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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						2.0	57.7	-55.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1655	0	29.5	0.0	29.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	808	0	12.7	0.0	12.7
20		JHARSUGUDA-DURG	D/C	192	9	2.2	0.0	2.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	171	72	1.6	0.0	1.6
22		RANCHI-SIPAT	D/C	261	0	3.7	0.0	3.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	89	0.0	1.3	-1.3
24		BUDHIPADAR-KORBA	D/C	128	0	2.2	0.0	2.2
ER-WR						51.9	1.3	50.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1769.0	0.0	29.5	-29.5
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	14.4	-14.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	41.9	-41.9
28	400 kV	TALCHER-I/C	D/C	66.0	533.0	0.0	3.4	-3.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	85.8	-85.8
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	54	319	0.0	2.9	-3
31		ALIPURDUAR-BONGAIGAON	D/C	585	0	8.1	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	61	29	0.4	0.0	0
ER-NER						8.5	2.9	5.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	301	0.0	7.3	-7.3
NER-NR						0.0	7.3	-7.3
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1508	0.0	36.0	-36.0
35		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1451	0.0	32.2	-32.2
37	765 kV	GWALIOR-AGRA	D/C	0	2141	0.0	39.4	-39.4
38		PHAGI-GWALIOR	D/C	0	1038	0.0	17.7	-17.7
39		JABALPUR-ORAI	D/C	0	749	0.0	27.6	-27.6
40		GWALIOR-ORAI	S/C	373	0	6.9	0.0	6.9
41		SATNA-ORAI	S/C	0	1415	0.0	13.4	-13.4
42		CHITORGARH-BANASKANTHA	D/C	87	545	1.8	7.4	5.6
43		ZERDA-KANKROLI	S/C	170	72	1.3	0.0	1.3
44	400 kV	ZERDA -BHINMAL	S/C	137	118	0.0	0.2	-0.2
45		V'CHAL -RIHAND	S/C	967	0	22.5	0.0	22.5
46	220 kV	RAPP-SHUJALPUR	D/C	114	162	0	1	-1
47		BHANPURA-KOTA	S/C	12	56	0.1	0.8	-0.7
48		BHANPURA-MORAK	S/C	0	106	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	33	15	0.2	0.1	0.1
50	132kV	MALANPUR-AURAIYA	S/C	6	43	0.0	0.6	-0.6
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						38.7	177.3	-127.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	803	0.0	16.4	-16.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2332	0.0	25.4	-25.4
55		WARDHA-NIZAMABAD	D/C	0	2148	0.0	29.2	-29.2
56	400 kV	KOLHAPUR-KUDGI	D/C	469	119	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	50	1.0	0.0	1.0
WR-SR						3.7	71.1	-67.4
TRANSNATIONAL EXCHANGE								
60		BHUTAN						9.0
61		NEPAL						-9.7
62		BANGLADESH						-22.5