



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: 23rd 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 22.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22nd May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting 23-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)	53794	51115	43385	21222	2619	172135
Peak Shortage (MW)	892	0	0	0	79	971
Energy Met (MU)	1219	1254	1054	478	47	4051
Hydro Gen (MU)	271	54	65	70	17	477
Wind Gen (MU)	14	88	42	-----	-----	144
Solar Gen (MU)*	26.19	26.86	84.75	1.06	0.02	139
Energy Shortage (MU)	11.6	0.0	0.0	0.0	2.4	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56324 23:28	57996 14:45	47477 14:52	22652 00:00	2661 18:53	180189 14:59

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	0.033	0.00	0.00	5.31	5.31	77.40	17.29

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	7919	0	169.5	80.3	-1.3	43	0.0
	Haryana	8037	0	171.5	118.9	0.1	187	0.0
	Rajasthan	10756	0	233.6	82.6	1.8	446	0.0
	Delhi	5527	0	114.0	97.0	-0.2	266	0.1
	UP	22057	430	428.3	188.4	1.0	724	0.0
	Uttarakhand	2097	0	35.8	21.4	0.6	112	0.0
	HP	1444	0	13.1	5.2	1.6	222	0.2
	J&K	2210	552	48.1	25.7	2.2	342	11.3
	Chandigarh	284	0	5.5	6.2	-0.7	0	0.0
WR	Chhattisgarh	3914	0	88.9	38.6	-3.2	292	0.0
	Gujarat	17283	0	384.3	82.1	5.2	641	0.0
	MP	9761	0	225.1	110.3	0.0	619	0.0
	Maharashtra	23139	0	513.9	122.7	-2.7	424	0.0
	Goa	541	0	12.4	11.5	0.3	170	0.0
	DD	337	0	7.5	7.1	0.5	47	0.0
	DNH	774	0	18.0	18.5	-0.5	44	0.0
	Essar steel	224	0	3.9	3.4	0.4	285	0.0
	SR	Andhra Pradesh	9688	0	202.5	64.2	0.7	542
Telangana		8130	0	171.3	47.2	0.4	403	0.0
Karnataka		11353	0	219.4	65.9	1.2	738	0.0
Kerala		4189	0	87.7	61.3	1.6	344	0.0
Tamil Nadu		15916	0	364.0	194.1	0.8	578	0.0
Pondv		429	0	8.8	9.1	-0.2	49	0.0
ER		Bihar	5187	0	105.8	100.1	1.6	500
	DVC	3183	0	69.8	-54.2	-0.1	320	0.0
	Jharkhand	1107	0	27.5	19.0	-0.8	200	0.0
	Odisha	4376	0	81.5	27.2	-1.0	500	0.0
	West Bengal	9441	0	192.0	67.1	-0.7	356	0.0
NER	Sikkim	80	0	1.0	1.2	-0.2	20	0.0
	Arunachal Pradesh	121	1	2.2	2.6	-0.4	61	0.0
	Assam	1668	21	27.1	22.6	1.1	147	2.0
	Manipur	174	2	2.6	2.4	0.3	18	0.0
	Meghalaya	299	12	5.2	2.9	0.1	41	0.4
	Mizoram	96	2	1.9	1.4	0.5	19	0.0
	Nagaland	125	1	2.3	2.2	0.1	18	0.0
Tripura	289	7	5.2	5.1	0.1	67	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.0	-9.8	-26.7
Day peak (MW)	570.1	-519.6	-1133.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	221.8	-258.4	94.4	-49.8	-7.7	0.4
Actual(MU)	228.1	-271.3	101.6	-54.9	-9.1	-5.5
O/D/U/D(MU)	6.3	-12.9	7.2	-5.1	-1.4	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4376	13765	6012	1620	35	25808
State Sector	9430	12218	3770	3195	50	28663
Total	13806	25983	9782	4815	85	54470

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	600	1266	617	505	15	3003
Lignite	21	13	52	0	0	86
Hydro	271	54	65	70	17	477
Nuclear	27	31	57	0	0	114
Gas, Naptha & Diesel	35	56	15	0	29	136
RES (Wind, Solar, Biomass & Others)	52	121	158	1	0	332
Total	1006	1542	963	575	62	4148

Share of RES in total generation (%)	5.20	7.85	16.36	0.19	0.03	8.01
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.82	13.39	28.99	12.28	27.26	22.26

H. Diversity Factor

All India Demand Diversity Factor	1.038
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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 : 23-May-19

Import=(+ve)
/Export =(-ve)
for NET (MU)

SI 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	133	180	0.0	0.8	-0.8
2		SASARAM-FATEHPUR	S/C	0	118	0.0	1.3	-1.3
3		GAYA-BALIA	S/C	0	221	0.0	3.7	-3.7
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	82	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	S/C	21	25	0.2	0.0	0.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	938	0.0	10.3	-10.3
9		PATNA-BALIA	Q/C	0	673	0.0	12.3	-12.3
10		BIHARSHARIFF-BALIA	D/C	0	413	0.0	6.7	-6.7
11		MOTIHARI-GORAKHPUR	D/C	0	329	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	59	214	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	226	0.0	4.1	-4.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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	61.7	-61.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1686	0	25.9	0.0	25.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	852	0	13.3	0.0	13.3
20		JHARSUGUDA-DURG	D/C	153	30	1.5	0.0	1.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	399	13	3.2	0.0	3.2
22		RANCHI-SIPAT	D/C	266	0	4.9	0.0	4.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	32	79	0.0	0.7	-0.7
24		BUDHIPADAR-KORBA	D/C	182	0	2.7	0.0	2.7
ER-WR						51.4	0.7	50.7
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1627.0	0.0	28.3	-28.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	518.0	0.0	12.0	-12.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	43.2	-43.2
28	400 kV	TALCHER-I/C	D/C	391.0	1001.0	0.0	5.0	-5.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	83.6	-83.6
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	289	0.0	3.2	-3
31		ALIPURDUAR-BONGAIGAON	D/C	310	19	3.5	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	26	45	0.0	0.1	0
ER-NER						3.5	3.4	0.1
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	404	0.0	9.7	-9.7
NER-NR						0.0	9.7	-9.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	24.1	-24.1
35		V'CHAL B/B	D/C	257	3	5.8	0.0	5.8
36		APL -MHG	D/C	0	1638	0.0	38.1	-38.1
37	765 kV	GWALIOR-AGRA	D/C	0	2073	0.0	39.4	-39.4
38		PHAGI-GWALIOR	D/C	0	1294	0.0	23.7	-23.7
39		JABALPUR-ORAI	D/C	0	739	0.0	29.5	-29.5
40		GWALIOR-ORAI	S/C	425	0	7.8	0.0	7.8
41		SATNA-ORAI	S/C	0	1328	0.0	29.5	-29.5
42		CHITTORGARH-BANASKANTHA	D/C	0	508	0.0	4.7	4.7
43		ZERDA-KANKROLI	S/C	87	20	0.7	0.0	0.7
44	400 kV	ZERDA -BHINMAL	S/C	244	77	0.8	0.0	0.8
45		V'CHAL -RIHAND	S/C	968	0	14.8	0.0	14.8
46		RAPP-SHUJALPUR	D/C	0	218	0	2	-2
47	220 kV	BHANPURA-KOTA	S/C	31	39	0.0	1.0	-0.9
48		BHANPURA-MORAK	S/C	0	107	0.0	1.8	-1.8
49		MEHGAON-AURAIYA	S/C	44	3	0.5	0.0	0.5
50		MALANPUR-AURAIYA	S/C	14	28	0.0	0.2	-0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						30.4	193.5	-153.6
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	86	2250	0.0	24.5	-24.5
55		WARDHA-NIZAMABAD	D/C	32	1743	0.0	19.2	-19.2
56	400 kV	KOLHAPUR-KUDGI	D/C	684	0	9.5	0.0	9.5
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	55	1.1	0.0	1.1
WR-SR						10.7	67.5	-56.8
TRANSNATIONAL EXCHANGE								
60		BHUTAN						7.0
61		NEPAL						-9.8
62		BANGLADESH						-26.7