



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: 20th 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 19.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th May 2019, is available at the NLDC website.

धन्यवाद,

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)	48037	48393	41345	21605	2420	161800
Peak Shortage (MW)	580	0	0	0	129	709
Energy Met (MU)	1093	1189	982	467	42	3772
Hydro Gen (MU)	270	55	58	70	16	469
Wind Gen (MU)	15	69	52	-----	-----	136
Solar Gen (MU)*	27.49	24.99	81.98	2.35	0.03	137
Energy Shortage (MU)	11.1	0.0	0.0	0.0	1.1	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50484 22:27	52644 00:21	43101 22:14	23015 23:20	2405 18:58	168864 00:00

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	0.041	0.00	1.00	7.60	8.60	76.48	14.92

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	6060	0	134.9	74.1	-2.0	70	0.0
	Haryana	6998	0	141.2	114.6	0.3	291	0.0
	Rajasthan	9532	0	211.2	55.5	-1.8	311	0.0
	Delhi	4493	0	89.8	80.6	0.4	183	0.0
	UP	19241	0	400.3	187.0	-0.7	395	0.0
	Uttarakhand	1876	0	40.8	16.9	0.3	114	0.0
	HP	1201	0	23.7	3.9	-1.5	133	0.0
	J&K	2477	619	46.8	26.4	-0.7	213	11.1
WR	Chhattisgarh	212	0	3.9	5.0	-1.0	0	0.0
	Gujarat	3977	0	91.8	37.8	-1.5	397	0.0
	MP	16176	0	360.5	80.6	4.3	469	0.0
	MP	9297	0	211.6	99.3	0.0	696	0.0
	Maharashtra	20927	0	481.3	103.7	-0.3	537	0.0
	Goa	541	0	11.5	9.5	1.5	227	0.0
	DD	308	0	7.0	6.4	0.6	67	0.0
	DNH	744	0	17.4	17.3	0.2	138	0.0
SR	Essar steel	403	0	7.7	7.5	0.2	285	0.0
	Andhra Pradesh	9500	0	196.5	65.1	1.0	498	0.0
	Telangana	7344	0	166.2	56.6	0.6	430	0.0
	Karnataka	10029	0	211.5	61.9	-0.7	492	0.0
	Kerala	3914	0	78.2	59.4	1.2	247	0.0
	Tamil Nadu	14206	0	320.9	170.0	0.8	467	0.0
ER	Pondy	390	0	8.3	8.6	-0.3	36	0.0
	Bihar	5391	0	106.3	103.0	-0.6	30	0.0
	DVC	3205	0	67.2	-38.5	-0.4	350	0.0
	Jharkhand	1291	0	27.8	20.6	-0.1	110	0.0
	Odisha	4481	0	92.6	37.1	-0.1	170	0.0
	West Bengal	9128	0	172.0	60.8	-0.6	450	0.0
NER	Sikkim	76	0	1.0	1.3	-0.4	20	0.0
	Arunachal Pradesh	103	3	2.1	2.3	-0.3	8	0.0
	Assam	1542	42	25.3	20.2	1.1	245	0.6
	Manipur	152	5	2.4	2.2	0.2	28	0.0
	Meghalaya	268	0	5.1	2.9	0.2	67	0.4
	Mizoram	85	6	1.6	1.3	0.2	17	0.0
	Nagaland	112	4	2.0	2.2	-0.2	15	0.0
Tripura	264	11	4.0	3.6	0.1	54	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.3	-10.5	-25.7
Day peak (MW)	640.8	-578.8	-1100.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	201.7	-259.9	94.2	-25.6	-10.0	0.2
Actual(MU)	182.1	-255.8	114.0	-25.9	-13.4	1.1
O/D/U/D(MU)	-19.5	4.1	19.8	-0.2	-3.4	0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5030	15865	7472	1620	35	30022
State Sector	10305	11019	6450	4215	50	32039
Total	15335	26884	13922	5835	85	62060

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	1216	541	471	15	2770
Lignite	17	15	48	0	0	79
Hydro	270	55	58	70	16	469
Nuclear	28	31	53	0	0	111
Gas, Naptha & Diesel	27	48	16	0	30	121
RES (Wind, Solar, Biomass & Others)	62	100	159	2	0	324
Total	931	1464	874	543	61	3874

Share of RES in total generation (%)	6.67	6.82	18.23	0.44	0.05	8.36
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.64	12.68	30.87	13.31	27.15	23.34

H. Diversity Factor

All India Demand Diversity Factor	1.016
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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 :	20-May-19
SI 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	211	38	1.7	0.0	1.7	
2		SASARAM-FATEHPUR	S/C	100	153	0.0	0.5	-0.5	
3		GAYA-BALIA	S/C	0	161	0.0	2.2	-2.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.5	-12.5	
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	1.6	-1.6	
7		PUSAULI -ALLAHABAD	S/C	44	9	0.5	0.0	0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	590	0.0	9.1	-9.1	
9		PATNA-BALIA	Q/C	0	565	0.0	9.7	-9.7	
10		BIHARSHARIFF-BALIA	D/C	0	236	0.0	3.7	-3.7	
11		MOTIHARI-GORAKHPUR	D/C	0	324	0.0	6.0	-6.0	
12	BIHARSHARIFF-VARANASI	D/C	179	119	0.0	0.0	0.0		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	204	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	0.6	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	2.8	50.3	-47.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1929	0	35.2	0.0	35.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	829	0	13.7	0.0	13.7	
20		JHARSUGUDA-DURG	D/C	174	101	1.8	0.0	1.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	309	17	3.4	0.0	3.4	
22		RANCHI-SIPAT	D/C	258	0	4.0	0.0	4.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	96	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	156	0	2.6	0.0	2.6	
						ER-WR	60.8	1.1	59.7
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1655.0	0.0	30.5	-30.5	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	739.0	0.0	17.2	-17.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2356.0	0.0	37.7	-37.7	
28	400 kV	TALCHER-I/C	D/C	363.0	692.0	4.1	0.0	4.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	85.4	-85.4
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	154	240	0.0	1.2	-1	
31		ALIPURDUAR-BONGAIGAON	D/C	452	0	5.8	0.0	6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	65	50	0.3	0.0	0	
						ER-NER	6.1	1.2	4.9
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	402	0.0	9.2	-9.2	
						NER-NR	0.0	9.2	-9.2
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1005	0.0	23.6	-23.6	
35		V'CHAL B/B	D/C	248	2	4.2	0.0	4.2	
36		APL -MHG	D/C	0	1453	0.0	36.1	-36.1	
37	765 kV	GWALIOR-AGRA	D/C	0	1881	0.0	33.3	-33.3	
38		PHAGI-GWALIOR	D/C	0	717	0.0	11.9	-11.9	
39		JABALPUR-ORAI	D/C	0	607	0.0	21.5	-21.5	
40		GWALIOR-ORAI	S/C	377	0	6.5	0.0	6.5	
41		SATNA-ORAI	S/C	0	1238	0.0	24.6	-24.6	
42		CHITTORGARH-BANASKANTHA	D/C	136	378	0.0	2.5	2.5	
43	400 kV	ZERDA-KANKROLI	S/C	175	26	1.4	0.0	1.4	
44		ZERDA -BHINMAL	S/C	109	133	0.0	0.9	-0.9	
45		V'CHAL -RIHAND	S/C	956	0	15.1	0.0	15.1	
46		RAPP-SHUJALPUR	D/C	196	58	0	1	-1	
47	220 kV	BHANPURA-KOTA	S/C	64	19	0.9	0.0	0.9	
48		BHANPURA-MORAK	S/C	66	34	0.4	0.1	0.3	
49		MEHGAON-AURAIYA	S/C	57	0	0.6	0.0	0.6	
50	MALANPUR-AURAIYA	S/C	23	24	0.1	0.2	-0.1		
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	29.1	155.4	-121.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	958	0.0	19.0	-19.0	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2234	0.0	28.8	-28.8	
55		WARDHA-NIZAMABAD	D/C	0	1851	0.0	24.9	-24.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	507	249	2.3	0.0	2.3	
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	3.4	72.7	-69.3
TRANSNATIONAL EXCHANGE									
60		BHUTAN						7.3	
61		NEPAL						-10.5	
62		BANGLADESH						-25.7	