



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: 17th 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., डोंगतेिह, 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 16.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

17-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)	52067	50116	44172	21573	2545	170473
Peak Shortage (MW)	1233	0	25	0	109	1367
Energy Met (MU)	1140	1220	1029	460	43	3892
Hydro Gen (MU)	246	41	74	61	14	436
Wind Gen (MU)	18	77	58	-----	-----	153
Solar Gen (MU)*	28.68	25.82	85.19	2.02	0.04	142
Energy Shortage (MU)	11.9	0.0	0.1	0.0	1.5	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53033 19:53	54929 11:05	45349 22:25	22950 22:30	2440 18:43	174918 22:42

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	0.027	0.00	0.00	4.46	4.46	82.16	13.38

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	6925	0	151.1	79.6	-2.1	17	0.0	
	Haryana	7515	0	151.4	115.1	-1.2	459	0.0	
	Rajasthan	10196	0	211.8	60.6	-1.4	510	0.0	
	Delhi	4904	0	101.8	92.8	-1.2	99	0.0	
	UP	19932	0	404.7	178.7	-0.6	676	0.9	
	Uttarakhand	1947	0	40.7	19.5	-0.9	169	0.0	
	HP	1381	0	28.2	7.7	1.2	143	0.0	
	J&K	2454	613	46.0	25.0	0.1	281	10.9	
	Chandigarh	227	0	4.6	5.7	-1.1	0	0.0	
	WR	Chhattisgarh	4056	0	90.4	47.2	-5.0	300	0.0
Gujarat		17202	0	377.8	88.7	5.1	480	0.0	
MP		9484	0	215.3	105.8	0.0	401	0.0	
Maharashtra		21964	0	495.2	134.0	-0.8	489	0.0	
Goa		541	0	11.5	11.5	-0.6	130	0.0	
DD		319	0	7.2	7.0	0.2	80	0.0	
DNH		786	0	18.2	18.2	0.0	120	0.0	
Essar steel		240	0	4.3	5.7	-1.4	160	0.0	
SR		Andhra Pradesh	9432	0	197.6	52.2	0.2	539	0.0
		Telangana	7758	0	170.1	44.2	0.0	345	0.0
	Karnataka	11373	0	225.0	64.0	-0.2	458	0.0	
	Kerala	3980	0	83.4	57.5	1.6	258	0.0	
	Tamil Nadu	15586	0	343.8	167.3	-0.3	721	0.0	
	Pondy	424	25	9.2	9.3	0.0	70	0.1	
	ER	Bihar	5287	0	99.5	98.8	-1.8	50	0.0
DVC		3218	0	67.2	-49.4	-0.2	100	0.0	
Jharkhand		1252	0	26.3	17.2	-0.7	120	0.0	
Odisha		4537	0	82.2	23.3	1.3	200	0.0	
West Bengal		9156	0	184.1	57.8	0.2	280	0.0	
NER	Sikkim	76	0	0.9	1.1	-0.2	15	0.0	
	Arunachal Pradesh	108	2	2.2	2.1	0.1	44	0.0	
	Assam	1580	20	24.9	20.4	0.5	110	1.0	
	Manipur	169	2	2.2	2.2	0.0	46	0.0	
	Meghalaya	325	0	5.3	3.1	0.3	34	0.4	
	Mizoram	85	2	1.8	1.3	0.3	18	0.0	
	Nagaland	118	2	1.9	1.9	-0.1	12	0.0	
	Tripura	275	8	4.4	4.2	-0.1	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.2	-9.5	-26.3
Day peak (MW)	513.7	-564.0	-1128.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.9	-268.6	107.0	-55.3	-10.9	0.2
Actual(MU)	220.0	-282.0	125.3	-59.0	-9.1	-4.8
O/D/U/D(MU)	-7.9	-13.5	18.3	-3.7	1.8	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4407	11799	8692	1350	35	26283
State Sector	8785	11043	3520	3195	50	26593
Total	13192	22842	12212	4545	85	52876

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	558	1270	567	477	13	2883
Lignite	19	16	49	0	0	83
Hydro	246	41	74	61	14	436
Nuclear	28	31	32	0	0	91
Gas, Naptha & Diesel	29	47	15	0	30	121
RES (Wind, Solar, Biomass & Others)	69	109	173	2	0	352
Total	948	1513	909	540	57	3967

Share of RES in total generation (%)	7.23	7.17	19.00	0.38	0.07	8.87
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.14	11.93	30.65	11.69	25.36	22.17

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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 : 17-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	175	215	0.0	0.9	-0.9	
2		SASARAM-FATEHPUR	S/C	122	165	0.0	0.3	-0.3	
3		GAYA-BALIA	S/C	0	214	0.0	3.4	-3.4	
4		HVDC	ALIPURDUAR-AGRA	-	0	900	0.0	22.2	-22.2
5			PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	88	0.0	1.6	-1.6	
7		PUSAULI -ALLAHABAD	S/C	30	15	0.6	0.0	0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	689	0.0	7.7	-7.7	
9		PATNA-BALIA	Q/C	0	630	0.0	9.7	-9.7	
10		BIHARSHARIFF-BALIA	D/C	0	309	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	336	0.0	6.9	-6.9	
12		BIHARSHARIFF-VARANASI	D/C	80	205	0.0	0.9	-0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	215	0.0	3.8	-3.8	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3	
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	63.4	-62.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2057	0	31.4	0.0	31.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	864	0	13.0	0.0	13.0	
20		JHARSUGUDA-DURG	D/C	256	8	2.4	0.0	2.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	399	0	3.7	0.0	3.7	
22		RANCHI-SIPAT	D/C	311	0	4.4	0.0	4.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	7	76	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	123	0	2.0	0.0	2.0	
ER-WR						56.8	1.0	55.8	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1915.0	0.0	33.0	-33.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	574.0	0.0	13.4	-13.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2467.0	0.0	44.0	-44.0	
28	400 kV	TALCHER-I/C	D/C	0.0	1174.0	0.0	9.1	-9.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	90.4	-90.4	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	24	345	0.0	4.2	-4	
31		ALIPURDUAR-BONGAIGAON	D/C	551	0	6.7	0.0	7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	54	25	0.1	0.0	0	
ER-NER						6.8	4.2	2.6	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	305	0.0	6.5	-6.5	
NER-NR						0.0	6.5	-6.5	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	27.4	-27.4	
35		V'CHAL B/B	D/C	206	0	6.2	0.0	6.2	
36		APL -MHG	D/C	0	1730	0.0	41.1	-41.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2543	0.0	41.6	-41.6	
38		PHAGI-GWALIOR	D/C	0	1012	0.0	18.5	-18.5	
39		JABALPUR-ORAI	D/C	0	715	0.0	27.3	-27.3	
40		GWALIOR-ORAI	S/C	582	0	8.6	0.0	8.6	
41		SATNA-ORAI	S/C	0	1317	0.0	27.4	-27.4	
42		CHITTORGARH-BANASKANTHA	D/C	249	460	0.0	1.8	1.8	
43		ZERDA-KANKROLI	S/C	212	53	1.8	0.0	1.8	
44	400 kV	ZERDA -BHINMAL	S/C	112	138	0.0	0.4	-0.4	
45		V'CHAL -RIHAND	S/C	976	0	19.4	0.0	19.4	
46		RAPP-SHUJALPUR	D/C	143	164	0	0	0	
47	220 kV	BHANPURA-KOTA	S/C	20	35	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	105	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	44	18	0.2	0.1	0.1	
50		MALANPUR-AURAIYA	S/C	27	44	0.0	0.5	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.3	187.9	-148.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	603	0.0	14.2	-14.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2569	0.0	34.6	-34.6	
55		WARDHA-NIZAMABAD	D/C	0	2201	0.0	29.5	-29.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	598	215	4.4	0.0	4.4	
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	53	1.1	0.0	1.1	
WR-SR						5.5	78.2	-72.8	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						8.2	
61		NEPAL						-9.5	
62		BANGLADESH						-26.3	