



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: 25th 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 24.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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)	52009	51156	43082	21496	2263	170006
Peak Shortage (MW)	1048	0	25	0	126	1199
Energy Met (MU)	1147	1254	1025	476	42	3944
Hydro Gen (MU)	279	40	54	83	23	479
Wind Gen (MU)	17	87	66	-----	-----	170
Solar Gen (MU)*	27.27	26.74	84.12	2.24	0.02	140
Energy Shortage (MU)	10.3	0.0	0.2	0.0	3.4	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53747 20:36	57219 15:30	46159 14:55	22065 21:28	2341 18:58	175279 15:29

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	1.76	1.76	74.20	24.04

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	6829	0	139.4	66.9	-2.9	73	0.0
	Haryana	7437	0	147.7	100.7	-0.1	145	0.0
	Rajasthan	10662	0	234.0	70.5	2.0	435	0.0
	Delhi	5052	0	105.5	89.4	-0.2	240	0.0
	UP	20218	730	398.2	181.0	1.6	489	0.0
	Uttarakhand	2098	0	45.1	20.7	0.4	121	0.0
	HP	1390	0	28.8	5.3	1.7	211	0.0
	J&K	2164	541	43.5	24.2	-0.8	131	10.3
	Chandigarh	232	0	4.9	5.8	-0.9	-14	0.0
WR	Chhattisgarh	4069	0	93.5	41.8	-2.3	287	0.0
	Gujarat	17699	0	388.3	98.4	4.6	599	0.0
	MP	9812	0	223.8	124.0	0.0	300	0.0
	Maharashtra	22283	0	505.3	132.0	-0.8	479	0.0
	Goa	541	0	12.4	12.0	-0.2	172	0.0
	DD	340	0	7.5	7.3	0.1	99	0.0
	DNH	765	0	17.9	18.3	-0.4	98	0.0
	Essar steel	271	0	5.3	5.7	-0.4	238	0.0
SR	Andhra Pradesh	9675	0	199.9	77.9	0.0	698	0.0
	Telangana	8113	0	172.5	48.9	0.0	561	0.0
	Karnataka	10964	0	205.3	60.6	0.4	615	0.0
	Kerala	3789	0	82.8	58.0	1.8	212	0.2
	Tamil Nadu	15627	0	355.5	179.4	-1.1	450	0.0
	Pondy	439	0	8.5	9.5	-1.0	45	0.0
ER	Bihar	5284	0	104.7	100.1	-1.5	200	0.0
	DVC	3158	0	68.1	-41.2	0.2	300	0.0
	Jharkhand	1259	0	26.0	20.8	-0.3	150	0.0
	Odisha	4430	0	92.0	30.5	1.0	400	0.0
	West Bengal	9333	0	184.2	60.3	0.8	200	0.0
	Sikkim	93	0	1.1	1.3	-0.1	25	0.0
NER	Arunachal Pradesh	136	0	2.2	2.8	-0.6	29	0.0
	Assam	1412	67	24.7	20.3	0.9	163	3.0
	Manipur	140	2	2.2	2.2	-0.1	47	0.0
	Meghalaya	332	0	5.4	2.6	0.1	115	0.3
	Mizoram	76	6	1.5	1.6	-0.2	22	0.0
	Nagaland	119	2	2.4	2.2	0.1	17	0.0
	Tripura	270	2	3.6	4.3	-1.0	103	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.5	-9.8	-24.6
Day peak (MW)	944.6	-578.5	-1129.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	183.1	-247.0	94.1	-24.1	-5.9	0.1
Actual(MU)	172.0	-243.6	108.4	-27.5	-8.7	0.7
O/D/U/D(MU)	-11.1	3.4	14.3	-3.3	-2.8	0.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4157	12219	5762	1895	500	24533
State Sector	7510	13515	4560	2590	50	28225
Total	11667	25734	10322	4485	550	52758

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	569	1262	572	453	4	2860
Lignite	17	16	54	0	0	87
Hydro	279	40	54	83	23	479
Nuclear	27	31	58	0	0	116
Gas, Naptha & Diesel	42	51	8	0	28	130
RES (Wind, Solar, Biomass & Others)	64	119	182	2	0	367
Total	998	1519	927	538	56	4038

Share of RES in total generation (%)	6.38	7.84	19.59	0.43	0.04	9.08
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.11	12.50	31.69	15.84	41.13	23.83

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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 :	25-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	198	126	1.5	0.0	1.5	
2		SASARAM-FATEHPUR	S/C	123	140	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	300	0.0	3.8	-3.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	11.8	-11.8	
5		PUSAULI B/B	S/C	0	50	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	95	0.0	1.6	-1.6	
7		PUSAULI -ALLAHABAD	S/C	36	10	0.5	0.0	0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	762	0.0	11.4	-11.4	
9		PATNA-BALIA	Q/C	0	523	0.0	6.5	-6.5	
10		BIHARSHARIFF-BALIA	D/C	0	429	0.0	7.2	-7.2	
11		MOTIHARI-GORAKHPUR	D/C	0	195	0.0	2.9	-2.9	
12	BIHARSHARIFF-VARANASI	D/C	106	141	0.0	0.6	-0.6		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	190	0.0	3.6	-3.6	
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	10	0.0	0.0	0.0	
						ER-NR	2.7	50.7	-48.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1895	0	36.3	0.0	36.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1037	0	15.2	0.0	15.2	
20		JHARSUGUDA-DURG	D/C	213	11	2.8	0.0	2.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	304	21	4.2	0.0	4.2	
22		RANCHI-SIPAT	D/C	336	0	6.3	0.0	6.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	9	102	0.0	0.8	-0.8	
24		BUDHIPADAR-KORBA	D/C	158	0	1.5	0.0	1.5	
						ER-WR	66.3	0.8	65.4
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1883.0	0.0	34.7	-34.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	523.0	0.0	11.3	-11.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	42.3	-42.3	
28	400 kV	TALCHER-I/C	D/C	290.0	219.0	1.0	0.0	1.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	88.2	-88.2
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	307	0.0	2.9	-3	
31		ALIPURDUAR-BONGAIGAON	D/C	262	38	3.0	0.0	3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	21	43	0.0	0.3	0	
						ER-NER	3.0	3.2	-0.2
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	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	1004	0.0	23.6	-23.6	
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1264	0.0	31.5	-31.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2113	0.0	32.9	-32.9	
38		PHAGI-GWALIOR	D/C	0	1395	0.0	19.6	-19.6	
39		JABALPUR-ORAI	D/C	0	725	0.0	21.6	-21.6	
40		GWALIOR-ORAI	S/C	382	0	7.2	0.0	7.2	
41		SATNA-ORAI	S/C	0	1545	0.0	30.4	-30.4	
42		CHITTORGARH-BANASKANTHA	D/C	241	494	0.0	1.4	1.4	
43	400 kV	ZERDA-KANKROLI	S/C	158	55	2.0	0.0	2.0	
44		ZERDA -BHINMAL	S/C	286	87	1.2	0.0	1.2	
45		V'CHAL -RIHAND	S/C	964	0	19.2	0.0	19.2	
46		RAPP-SHUJALPUR	D/C	231	55	1	0	1	
47	220 kV	BHANPURA-KOTA	S/C	60	29	0.2	0.4	-0.1	
48		BHANPURA-MORAK	S/C	10	93	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	60	4	0.5	0.0	0.5	
50	MALANPUR-AURAIYA	S/C	29	34	0.1	0.3	-0.2		
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.2	162.8	-116.8
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2112	0.0	27.1	-27.1	
55		WARDHA-NIZAMABAD	D/C	0	1634	0.0	23.6	-23.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	729	531	11.9	0.0	11.9	
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	13.0	74.6	-61.6
TRANSNATIONAL EXCHANGE									
60		BHUTAN						14.5	
61		NEPAL						-9.8	
62		BANGLADESH						-24.6	