



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: 29th 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 28.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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)	54812	51413	44278	20474	2645	173622
Peak Shortage (MW)	761	0	0	0	86	847
Energy Met (MU)	1277	1266	1051	483	47	4124
Hydro Gen (MU)	263	26	67	77	18	451
Wind Gen (MU)	10	91	90	-----	-----	191
Solar Gen (MU)*	35.21	25.24	84.40	2.18	0.04	147
Energy Shortage (MU)	12.0	0.0	0.0	0.0	1.1	13.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57369 23:37	57220 15:05	45419 14:18	23153 00:03	2646 19:23	178995 15:32

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	0.040	0.00	0.57	7.41	7.97	75.31	16.71

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	7521	0	166.3	77.2	-1.6	88	0.0
	Haryana	8337	130	173.6	116.3	0.3	125	0.5
	Rajasthan	12103	0	257.9	67.9	1.4	502	0.0
	Delhi	5701	0	114.9	99.0	-1.0	156	0.0
	UP	20939	350	435.6	189.6	1.9	638	0.3
	Uttarakhand	2135	0	46.5	21.7	1.2	120	0.0
	HP	1415	0	29.4	6.7	3.1	334	0.0
	J&K	2284	571	47.8	26.1	1.0	410	11.2
WR	Chhattisgarh	284	0	5.4	6.2	-0.7	56	0.0
	Gujarat	3970	0	89.0	37.3	-1.3	450	0.0
	MP	17969	0	391.1	95.9	3.9	539	0.0
	MP	9873	0	227.4	112.9	0.0	705	0.0
	Maharashtra	23276	0	516.4	133.9	-2.2	268	0.0
	Goa	541	0	11.8	11.0	0.2	170	0.0
	DD	329	0	7.3	7.0	0.3	43	0.0
	DNH	753	0	17.4	17.8	-0.4	61	0.0
SR	Essar steel	310	0	6.0	5.9	0.1	256	0.0
	Andhra Pradesh	9700	0	201.0	62.1	-0.4	574	0.0
	Telangana	8511	0	181.8	58.9	0.6	328	0.0
	Karnataka	10540	0	214.1	59.9	0.4	567	0.0
	Kerala	4219	0	88.1	59.7	1.4	198	0.0
	Tamil Nadu	15004	0	356.2	162.4	0.5	887	0.0
	Pondy	436	0	9.4	9.2	0.2	70	0.0
	Bihar	5270	0	108.7	101.4	1.4	25	0.0
ER	DVC	3104	0	68.8	-46.1	-0.1	200	0.0
	Jharkhand	1217	0	28.5	20.5	-0.5	140	0.0
	Odisha	4415	0	89.5	32.1	1.4	290	0.0
	West Bengal	9537	0	186.1	65.2	-0.3	300	0.0
	Sikkim	92	0	1.3	1.3	0.0	18	0.0
	Arunachal Pradesh	121	1	2.1	2.6	-0.5	14	0.0
NER	Assam	1666	63	28.0	23.5	0.8	159	0.7
	Manipur	178	3	2.7	2.3	0.4	32	0.0
	Meghalaya	309	0	5.0	2.6	0.2	52	0.3
	Mizoram	90	2	1.7	1.3	0.3	20	0.0
	Nagaland	106	3	2.0	2.0	-0.1	27	0.0
	Tripura	282	4	5.0	4.8	0.2	66	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.3	-10.3	-26.1
Day peak (MW)	578.1	-545.4	-1130.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	226.0	-271.0	92.6	-41.5	-7.1	-0.9
Actual(MU)	232.7	-278.2	91.7	-38.7	-8.5	-0.9
O/D/U/D(MU)	6.7	-7.2	-0.9	2.8	-1.4	0.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4261	11919	7822	1450	106	25559
State Sector	7910	11609	4310	3170	50	27049
Total	12171	23528	12132	4620	156	52607

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	644	1298	575	470	15	3003
Lignite	24	14	45	0	0	83
Hydro	263	26	67	77	18	451
Nuclear	27	31	58	0	0	116
Gas, Naptha & Diesel	43	62	15	0	28	147
RES (Wind, Solar, Biomass & Others)	66	124	207	2	0	399
Total	1067	1555	967	549	61	4199

Share of RES in total generation (%)	6.17	7.95	21.43	0.40	0.07	9.50
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.36	11.60	34.36	14.45	30.13	23.01

H. Diversity Factor

All India Demand Diversity Factor	1.038
-----------------------------------	-------

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 :	29-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	71	311	0.0	2.9	-2.9	
2		SASARAM-FATEHPUR	S/C	168	124	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	375	0.0	5.0	-5.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	11.8	-11.8	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	108	0.0	1.6	-1.6	
7		PUSAULI -ALLAHABAD	S/C	51	18	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	773	0.0	11.6	-11.6	
9		PATNA-BALIA	Q/C	0	838	0.0	15.3	-15.3	
10		BIHARSHARIFF-BALIA	D/C	0	387	0.0	7.3	-7.3	
11		MOTIHARI-GORAKHPUR	D/C	0	324	0.0	5.6	-5.6	
12	BIHARSHARIFF-VARANASI	D/C	155	196	0.0	1.1	-1.1		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	177	0.0	3.3	-3.3	
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	67.2	-66.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1445	0	25.1	0.0	25.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	963	0	15.3	0.0	15.3	
20		JHARSUGUDA-DURG	D/C	168	153	1.3	0.0	1.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	1080	0	19.8	0.0	19.8	
22		RANCHI-SIPAT	D/C	391	0	6.5	0.0	6.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	56	39	0.0	0.1	-0.1	
24		BUDHIPADAR-KORBA	D/C	159	0	2.8	0.0	2.8	
						ER-WR	70.8	0.1	70.7
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1726.0	0.0	28.4	-28.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	428.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1986.0	0.0	38.4	-38.4	
28	400 kV	TALCHER-I/C	D/C	0.0	693.0	0.0	6.0	-6.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	76.6	-76.6
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	34	286	0.0	2.8	-3	
31		ALIPURDUAR-BONGAIGAON	D/C	327	0	3.9	0.0	4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	30	48	0.0	0.2	0	
						ER-NER	3.9	3.0	0.9
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	403	0	0.0	8.5	-8.5	
						NER-NR	0.0	8.5	-8.5
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	29.8	-29.8	
35		V'CHAL B/B	D/C	452	2	11.0	0.0	11.0	
36		APL -MHG	D/C	0	1639	0.0	38.5	-38.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2478	0.0	46.7	-46.7	
38		PHAGI-GWALIOR	D/C	0	1211	0.0	22.1	-22.1	
39		JABALPUR-ORAI	D/C	0	872	0.0	33.0	-33.0	
40		GWALIOR-ORAI	S/C	472	0	8.8	0.0	8.8	
41		SATNA-ORAI	S/C	0	1447	0.0	30.4	-30.4	
42		CHITTORGARH-BANASKANTHA	D/C	0	358	0.0	3.5	3.5	
43	400 kV	ZERDA-KANKROLI	S/C	95	30	1.1	0.0	1.1	
44		ZERDA -BHINMAL	S/C	126	114	0.5	0.0	0.5	
45		V'CHAL -RIHAND	S/C	964	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	128	171	0	0	0	
47	220 kV	BHANPURA-KOTA	S/C	50	27	0.4	0.1	0.3	
48		BHANPURA-MORAK	S/C	16	91	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	57	0	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	20	36	0.0	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	44.7	205.5	-153.8
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1855	0.0	17.6	-17.6	
55		WARDHA-NIZAMABAD	D/C	0	1831	0.0	27.4	-27.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	865	847	14.6	0.0	14.6	
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	57	1.1	0.0	1.1	
						WR-SR	15.8	68.7	-52.9
TRANSNATIONAL EXCHANGE									
60		BHUTAN						9.3	
61		NEPAL						-10.3	
62		BANGLADESH						-26.1	