



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 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 24.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-मई-2018 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 2018, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

25-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51706	48342	40382	21790	2380	164601
Peak Shortage (MW)	418	12	0	0	190	620
Energy Met (MU)	1240	1195	901	451	44	3832
Hydro Gen (MU)	219	24	39	84	16	382
Wind Gen (MU)	8	88	49	-----	-----	146
Solar Gen (MU)*	16.55	19.42	50.01	0.77	0.02	87
Energy Shortage (MU)	14.3	0.0	0.0	0.0	0.8	15.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54346 23:07	53931 15:26	41468 20:04	21976 19:19	2346 20:24	168673 15:26

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	0.053	0.00	0.98	15.60	16.59	77.34	6.08

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	8325	0	183.5	73.3	-1.6	78	0.0
	Haryana	7961	0	168.5	85.0	1.6	311	2.3
	Rajasthan	10522	0	236.0	76.9	6.1	646	3.6
	Delhi	5949	0	123.1	94.1	-1.1	187	0.1
	UP	18365	0	420.6	180.4	3.8	729	0.0
	Uttarakhand	2071	0	44.1	21.5	0.4	126	0.7
	HP	1346	0	26.7	6.3	3.5	416	0.2
	J&K	1672	418	31.5	10.5	2.7	335	7.4
WR	Chandigarh	319	0	6.0	5.9	0.2	39	0.0
	Chhattisgarh	3655	0	86.0	18.6	1.1	154	0.0
	Gujarat	15755	0	359.6	135.7	6.3	572	0.0
	MP	8612	0	194.1	102.7	-3.2	427	0.0
	Maharashtra	22973	0	512.4	141.9	-0.8	455	0.0
	Goa	498	0	11.2	11.1	-0.5	92	0.0
	DD	346	0	7.7	6.9	0.8	85	0.0
	DNH	782	0	17.2	17.8	-0.6	105	0.0
SR	Essar steel	381	0	7.0	6.4	0.7	170	0.0
	Andhra Pradesh	8492	0	177.2	69.4	-0.1	496	0.0
	Telangana	7162	0	155.9	51.7	-1.9	281	0.0
	Karnataka	8736	0	170.8	48.3	-3.3	420	0.0
	Kerala	3680	0	72.4	51.8	1.6	248	0.0
	Tamil Nadu	14116	0	316.8	148.5	-0.4	430	0.0
	Pondy	378	0	8.3	8.4	-0.1	52	0.0
	ER	Bihar	4535	0	90.4	90.4	-2.8	200
DVC		3006	0	71.9	-46.6	1.2	225	0.0
Jharkhand		1209	0	26.2	20.3	1.3	85	0.0
Odisha		4873	0	97.8	43.0	-0.8	225	0.0
West Bengal		8089	0	164.5	48.0	1.8	225	0.0
Sikkim		79	0	0.6	1.8	-1.4	15	0.0
NER	Arunachal Pradesh	105	2	2.3	2.0	0.3	44	0.0
	Assam	1464	154	27.1	22.8	0.2	206	0.6
	Manipur	150	5	2.1	2.3	-0.2	30	0.0
	Meghalaya	292	0	5.0	1.8	-0.2	35	0.0
	Mizoram	89	1	1.6	0.6	0.1	6	0.0
	Nagaland	116	5	2.0	1.8	0.1	41	0.0
	Tripura	255	3	3.8	3.3	-0.5	38	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.0	-5.9	-14.6
Day peak (MW)	862.2	-378.5	-658.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	230.2	-221.6	51.3	-61.8	2.8	0.9
Actual(MU)	246.6	-224.5	43.0	-60.8	0.3	4.6
O/D/U/D(MU)	16.4	-2.9	-8.2	0.9	-2.5	3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4223	11679	7492	1350	139	24883
State Sector	5615	14232	4330	5215	50	29442
Total	9838	25911	11822	6565	189	54324

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	675	1231	633	458	8	3006
Hydro	219	23	41	84	16	384
Nuclear	31	18	46	0	0	95
Gas, Naptha & Diesel	38	60	19	0	23	140
RES (Wind, Solar, Biomass & Others)	45	108	137	1	0	291
Total	1007	1440	877	544	47	3915

Share of RES in total generation (%)	4.42	7.49	15.67	0.25	0.06	7.44
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.24	10.35	25.58	15.74	34.55	19.66

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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.

सचिव(ऊर्जा)/संयुक्त सचिव(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(सि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	25-May-18
Sl 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	54	341	0.0	5.0	-5.0	
2		SASARAM-FATEHPUR	S/C	243	172	0.0	0.7	-0.7	
3		GAYA-BALIA	S/C	0	572	0.0	9.6	-9.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	284	0.0	12.1	-12.1	
5		PUSAULI B/B	S/C	106	0	2.5	0.0	2.5	
6	400 kV	PUSAULI-VARANASI	S/C	75	46	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	134	0	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	2	585	0.0	7.3	-7.3	
9		PATNA-BALIA	Q/C	0	1085	0.0	18.2	-18.2	
10		BIHARSHARIFF-BALIA	D/C	0	463	0.0	7.0	-7.0	
11		MOTIHARI-GORAKHPUR	D/C	7	318	0.0	5.4	-5.4	
12	BIHARSHARIFF-VARANASI	D/C	330	14	0.0	1.7	-1.7		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	210	0.0	4.4	-4.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.6	0.0	0.6	
16		KARMANASA-SAHUPURI	S/C	1	1	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	3.1	71.4	-68.3
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1161	0	15.0	0.0	15.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	525	6	5.2	0.0	5.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1105	0	16.5	0.0	16.5	
21		RANCHI-SIPAT	D/C	270	0	2.3	0.0	2.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	167	0	1.9	0.0	1.9	
23		BUDHIPADAR-KORBA	D/C	180	9	2.5	0.0	2.5	
						ER-WR	43.5	0.0	43.5
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1415.8	0.0	23.3	-23.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	410.4	0.0	9.5	-9.5	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1677.2	0.0	29.4	-29.4
27	400 kV	TALCHER-I/C	D/C	681.4	0.4	0.0	12.7	-12.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	62.2	-62.2
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	389	0.0	7.2	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	113	179	0.0	1.6	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	146	0.0	2.4	-2	
						ER-NER	0.0	11.2	-11.2
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	184	1250	0.0	54.2	-54.2	
34		V'CHAL B/B	D/C	250	200	0.6	2.3	-1.7	
35		APL -MHG	D/C	0	1614	0.0	29.7	-29.7	
36	765 kV	GWALIOR-AGRA	D/C	0	1360	0.0	28.2	-28.2	
37		PHAGI-GWALIOR	D/C	0	1726	0.0	32.4	-32.4	
38		JABALPUR-ORAI	D/C	0	1005	0.0	18.8	-18.8	
39		GWALIOR-ORAI	S/C	587	0	5.9	0.0	5.9	
40		SATNA-ORAI	S/C	0	1808	0.0	42.1	-42.1	
41		ZERDA-KANKROLI	S/C	390	0	6.5	0.0	6.5	
42	400 kV	ZERDA -BHINMAL	S/C	345	0	4.1	0.0	4.1	
43		V'CHAL -RIHAND	S/C	965	0	22.7	0.0	22.7	
44		RAPP-SHUJALPUR	D/C	183	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	64	41	0.3	0.2	0.0	
46		BADOD-MORAK	S/C	5	73	0.0	1.0	-1.0	
47		MEHGAON-AURAIYA	S/C	15	64	0.1	0.2	-0.2	
48		MALANPUR-AURAIYA	S/C	0	67	0.0	0.7	-0.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	42.5	209.9	-167.4
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	16.8	-16.8	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	953	657	0.0	3.3	-3.3	
53		WARDHA-NIZAMABAD	D/C	0	1351	0.0	18.3	-18.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1004	0	17.4	0.0	17.4	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5	
						WR-SR	19.0	38.5	-19.5
TRANSNATIONAL EXCHANGE									
58		BHUTAN						16.0	
59		NEPAL						-5.9	
60		BANGLADESH						-14.6	