



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: 23rd 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 22.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22nd 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

23-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51535	49282	41145	20136	2442	164540
Peak Shortage (MW)	1350	194	0	0	149	1693
Energy Met (MU)	1213	1208	906	453	45	3825
Hydro Gen (MU)	206	27	50	66	16	363
Wind Gen (MU)	23	52	44	-----	-----	119
Solar Gen (MU)*	20.09	19.29	53.20	0.82	0.02	93
Energy Shortage (MU)	13.3	0.0	0.0	0.0	1.2	14.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56752 22:58	54148 15:27	42543 19:25	21144 00:02	2481 19:57	170121 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	0.125	0.65	6.03	31.92	38.60	59.12	2.28

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	8037	0	178.7	76.5	-0.7	101	0.0	
	Haryana	7662	0	161.2	84.5	2.2	259	0.4	
	Rajasthan	10395	0	232.5	65.9	1.1	393	0.8	
	Delhi	5735	0	116.6	87.7	-0.9	183	0.0	
	UP	19082	0	413.2	177.6	2.4	965	0.0	
	Uttarakhand	1996	75	41.6	19.9	1.6	223	3.2	
	HP	1289	0	25.8	9.6	0.2	233	0.0	
	J&K	2042	510	37.8	23.6	-0.7	386	8.9	
	Chandigarh	319	0	6.0	5.6	0.3	76	0.0	
	WR	Chhattisgarh	3671	0	86.0	17.1	-0.4	99	0.0
Gujarat		16285	0	359.8	140.1	6.3	493	0.0	
MP		8942	0	201.3	119.9	1.3	231	0.0	
Maharashtra		23609	0	516.6	153.5	-4.3	309	0.0	
Goa		498	0	11.2	10.6	0.0	58	0.0	
DD		339	0	7.6	6.5	1.0	90	0.0	
DNH		774	0	18.0	17.1	0.9	107	0.0	
Essar steel		371	0	7.3	7.2	0.1	152	0.0	
SR		Andhra Pradesh	8548	0	180.0	66.9	-0.3	547	0.0
		Telangana	7544	0	158.7	50.9	-1.1	308	0.0
	Karnataka	8879	0	168.4	49.0	-3.1	388	0.0	
	Kerala	3634	0	72.2	48.9	1.3	345	0.0	
	Tamil Nadu	14536	0	318.9	169.3	-3.0	568	0.0	
	Pondy	387	0	8.1	8.4	-0.4	33	0.0	
ER	Bihar	4853	0	93.4	91.5	-0.9	200	0.0	
	DVC	2969	0	69.0	-43.8	0.0	250	0.0	
	Jharkhand	1267	0	25.7	19.9	1.4	200	0.0	
	Odisha	4551	0	97.1	43.9	-1.1	250	0.0	
	West Bengal	8081	0	166.1	53.2	3.1	350	0.0	
	Sikkim	92	0	1.3	1.3	0.0	15	0.0	
NER	Arunachal Pradesh	103	2	2.1	1.9	0.2	44	0.0	
	Assam	1527	116	28.8	23.4	0.8	206	1.1	
	Manipur	161	8	2.3	2.3	0.0	30	0.0	
	Meghalaya	286	0	4.7	2.7	-0.4	35	0.0	
	Mizoram	90	3	1.6	0.5	0.6	6	0.0	
	Nagaland	116	7	2.0	1.9	0.0	41	0.0	
	Tripura	242	0	3.9	2.9	0.4	38	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.6	-8.9	-15.1
Day peak (MW)	663.6	-495.8	-671.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.1	-223.9	42.8	-45.6	4.5	-0.2
Actual(MU)	227.7	-226.8	36.0	-41.0	3.8	-0.3
O/D/U/D(MU)	5.6	-2.9	-6.8	4.6	-0.7	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4433	12275	5472	1875	351	24405
State Sector	5515	14017	4330	5215	50	29127
Total	9948	26292	9802	7090	400	53532

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	671	1276	642	451	5	3045
Hydro	206	27	51	66	16	365
Nuclear	31	18	46	0	0	94
Gas, Naptha & Diesel	35	58	19	0	24	136
RES (Wind, Solar, Biomass & Others)	62	71	135	1	0	270
Total	1005	1449	893	518	45	3910

Share of RES in total generation (%)	6.20	4.89	15.12	0.28	0.09	6.90
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.74	7.96	25.98	12.93	34.77	18.64

H. Diversity Factor

All India Demand Diversity Factor	1.041
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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 (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिडिंग)/अध्यक्ष एवं प्रबंध निदेशक (पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 23-May-18

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	0	0	0.0	4.1	-4.1
2		SASARAM-FATEHPUR	S/C	218	94	1.7	0.0	1.7
3		GAYA-BALIA	S/C	0	604	0.0	11.8	-11.8
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	106	0	0.0	2.5	-2.5
6	400 kV	PUSAULI-VARANASI	S/C	58	29	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	118	0	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	41	395	0.0	4.6	-4.6
9		PATNA-BALIA	Q/C	0	901	0.0	17.7	-17.7
10		BIHARSHARIFF-BALIA	D/C	0	441	0.0	8.3	-8.3
11		MOTIHARI-GORAKHPUR	D/C	0	188	0.0	3.5	-3.5
12		BIHARSHARIFF-VARANASI	D/C	38	192	0.5	0.0	0.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	209	0.0	4.2	-4.2
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	10	0	0.7	0.0	0.7
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						2.9	68.8	-65.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1137	2	13.6	0.0	13.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	1080	0	17.8	0.0	17.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1111	0	18.9	0.0	18.9
21		RANCHI-SIPAT	D/C	445	0	8.2	0.0	8.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	144	6	1.7	0.0	1.7
23		BUDHIPADAR-KORBA	D/C	159	0	3.1	0.0	3.1
ER-WR						63.4	0.0	63.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1441.8	0.0	23.8	-23.8
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	304.8	0.0	10.0	-10.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1887.2	0.0	31.6	-31.6
27	400 kV	TALCHER-I/C	D/C	0.0	834.0	0.3	15.9	-15.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	65.4	-65.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	483	0.0	8.9	-9
30		ALIPURDUAR-BONGAIGAON	D/C	0	0	0.0	3.5	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	143	0.0	2.7	-3
ER-NER						0.0	15.0	-15.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	11.9	-11.9
NER-NR						0.0	11.9	-11.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1351	0.0	56.7	-56.7
34		V'CHAL B/B	D/C	250	250	1.0	4.6	-3.6
35		APL -MHG	D/C	0	1212	0.0	21.9	-21.9
36	765 kV	GWALIOR-AGRA	D/C	0	1674	0.0	31.4	-31.4
37		PHAGI-GWALIOR	D/C	0	833	0.0	32.7	-32.7
38		JABALPUR-ORAI	D/C	0	927	0.0	17.4	-17.4
39		GWALIOR-ORAI	S/C	431	0	8.8	0.0	8.8
40		SATNA-ORAI	S/C	0	1821	0.0	42.0	-42.0
41	400 kV	ZERDA-KANKROLI	S/C	356	0	7.1	0.0	7.1
42		ZERDA -BHINMAL	S/C	315	37	5.4	0.0	5.4
43		V'CHAL -RIHAND	S/C	965	0	23.0	0.0	23.0
44		RAPP-SHUJALPUR	D/C	0	203	0	0	0
45	220 kV	BADOD-KOTA	S/C	101	1	1.1	0.0	1.1
46		BADOD-MORAK	S/C	35	44	0.2	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	13	35	0.3	0.0	0.3
48	132kV	MALANPUR-AURAIYA	S/C	0	62	0.0	0.8	-0.8
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						46.9	208.1	-161.2
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	18.4	-18.4
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1079	854	8.1	0.0	8.1
53		WARDHA-NIZAMABAD	D/C	0	1590	0.0	14.8	-14.8
54	400 kV	KOLHAPUR-KUDGI	D/C	1190	0	20.5	0.0	20.5
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						30.1	33.2	-3.0
TRANSNATIONAL EXCHANGE								
58		BHUTAN						12.6
59		NEPAL						-8.9
60		BANGLADESH						-15.1