



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: 24th 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 23.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd 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

24-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51846	48781	39735	20713	2267	163342
Peak Shortage (MW)	1824	120	0	0	264	2208
Energy Met (MU)	1238	1200	916	433	44	3830
Hydro Gen (MU)	220	35	43	65	16	378
Wind Gen (MU)	7	63	47	-----	-----	117
Solar Gen (MU)*	15.93	19.09	48.20	0.75	0.02	84
Energy Shortage (MU)	19.4	0.0	0.0	0.0	1.9	21.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55849 00:02	53507 15:51	41702 14:21	21654 20:33	2207 20:36	167826 00:01

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	0.068	0.00	1.59	20.31	21.90	72.88	5.22

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	8232	113	183.4	69.0	-1.3	65	0.0	
	Haryana	7807	0	165.4	84.0	1.3	325	3.9	
	Rajasthan	10295	0	229.3	71.1	6.7	536	3.5	
	Delhi	6029	0	121.6	94.4	-1.2	172	0.0	
	UP	18756	700	421.7	175.1	7.3	835	2.0	
	Uttarakhand	2032	0	44.5	22.1	1.5	311	0.9	
	HP	1405	0	27.4	8.7	1.8	256	0.0	
	J&K	1967	492	38.4	25.4	-4.0	490	9.0	
	Chandigarh	324	0	6.2	6.0	0.2	31	0.0	
	WR	Chhattisgarh	3725	0	84.1	16.2	-0.5	135	0.0
Gujarat		16087	0	357.7	131.4	6.6	515	0.0	
MP		8941	0	201.5	108.7	2.9	337	0.0	
Maharashtra		23324	0	514.6	142.0	-1.1	322	0.0	
Goa		498	0	11.2	9.8	0.8	80	0.0	
DD		350	0	7.7	6.8	0.9	102	0.0	
DNH		721	0	17.5	15.7	1.8	104	0.0	
Essar steel		290	0	5.6	7.2	-1.6	35	0.0	
SR		Andhra Pradesh	8768	0	178.0	69.4	1.6	432	0.0
		Telangana	7241	0	156.5	53.8	-1.3	421	0.0
	Karnataka	7942	0	172.5	56.0	-2.5	424	0.0	
	Kerala	3620	0	74.1	50.4	1.2	250	0.0	
	Tamil Nadu	14968	0	326.1	156.3	-1.8	414	0.0	
	Pondy	388	0	8.3	8.6	-0.3	47	0.0	
ER	Bihar	4857	0	92.6	89.1	0.6	280	0.0	
	DVC	3066	0	69.0	-46.5	0.5	400	0.0	
	Jharkhand	1272	0	26.6	20.8	1.4	200	0.0	
	Odisha	4621	0	88.1	41.3	-1.9	230	0.0	
	West Bengal	8058	0	155.1	47.4	-0.2	250	0.0	
	Sikkim	90	0	1.2	1.5	-0.3	10	0.0	
NER	Arunachal Pradesh	102	3	2.3	1.9	0.4	44	0.0	
	Assam	1501	142	26.2	23.7	-0.9	206	1.7	
	Manipur	151	11	2.4	2.2	0.2	30	0.0	
	Meghalaya	272	14	5.1	2.1	0.2	35	0.0	
	Mizoram	87	6	1.7	0.5	0.6	6	0.0	
	Nagaland	112	11	2.0	1.8	0.1	41	0.0	
	Tripura	240	2	4.0	3.0	0.4	38	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.3	-7.7	-14.9
Day peak (MW)	669.0	-471.7	-661.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	218.7	-223.9	49.7	-48.9	4.2	-0.1
Actual(MU)	232.7	-223.2	37.0	-45.5	2.8	3.8
O/D/U/D(MU)	14.0	0.8	-12.8	3.4	-1.4	4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4933	12359	5972	1350	351	24964
State Sector	5615	13432	4660	5215	50	28972
Total	10548	25791	10632	6565	400	53936

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	696	1243	648	440	6	3033
Hydro	220	35	45	65	16	380
Nuclear	31	18	46	0	0	94
Gas, Naptha & Diesel	34	60	19	0	23	136
RES (Wind, Solar, Biomass & Others)	43	82	133	1	0	259
Total	1023	1438	891	506	44	3902

Share of RES in total generation (%)	4.16	5.68	14.96	0.27	0.09	6.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.65	9.36	25.11	13.11	35.77	18.80

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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(ग्रिड)/अध्यक्ष एवं प्रबंध निदेशक (पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 24-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	4.3	-4.3
2		SASARAM-FATEHPUR	S/C	178	127	0.7	0.0	0.7
3		GAYA-BALIA	S/C	0	500	0.0	9.4	-9.4
4	HVDC	ALIPURDUAR-AGRA	-	0	284	0.0	11.2	-11.2
5		PUSAULI B/B	S/C	107	0	2.5	0.0	2.5
6	400 kV	PUSAULI-VARANASI	S/C	70	6	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	97	0	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	5	472	0.0	5.0	-5.0
9		PATNA-BALIA	Q/C	0	880	0.0	13.3	-13.3
10		BIHARSHARIFF-BALIA	D/C	0	384	0.0	6.0	-6.0
11		MOTIHARI-GORAKHPUR	D/C	0	275	0.0	4.3	-4.3
12	220 kV	BIHARSHARIFF-VARANASI	D/C	211	187	0.0	0.4	-0.4
13		PUSAULI-SAHUPURI	S/C	0	213	0.0	4.5	-4.5
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						3.8	58.3	-54.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	967	0	8.7	0.0	8.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	703	0	8.9	0.0	8.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	900	0	16.0	0.0	16.0
21		RANCHI-SIPAT	D/C	292	0	5.3	0.0	5.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	123	0	1.8	0.0	1.8
23		BUDHIPADAR-KORBA	D/C	161	0	3.1	0.0	3.1
ER-WR						43.8	0.0	43.8
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1391.8	0.0	23.3	-23.3
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	207.9	0.0	9.5	-9.5
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1524.2	0.0	30.5	-30.5
27	400 kV	TALCHER-I/C	D/C	0.0	750.7	0.4	14.2	-13.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	63.4	-63.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	421	0.0	8.1	-8
30		ALIPURDUAR-BONGAIGAON	D/C	133	245	0.0	2.6	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	137	0.0	2.4	-2
ER-NER						0.0	13.0	-13.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	11.5	-11.5
NER-NR						0.0	11.5	-11.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	61	1380	0.0	59.1	-59.1
34		V'CHAL B/B	D/C	250	250	2.2	1.0	1.2
35		APL -MHG	D/C	0	1212	0.0	26.5	-26.5
36	765 kV	GWALIOR-AGRA	D/C	0	1348	0.0	27.6	-27.6
37		PHAGI-GWALIOR	D/C	0	1496	0.0	29.4	-29.4
38		JABALPUR-ORAI	D/C	0	1047	0.0	18.2	-18.2
39		GWALIOR-ORAI	S/C	287	0	5.0	0.0	5.0
40		SATNA-ORAI	S/C	0	1875	0.0	41.2	-41.2
41		ZERDA-KANKROLI	S/C	346	0	6.3	0.0	6.3
42	400 kV	ZERDA -BHINMAL	S/C	276	0	4.0	0.0	4.0
43		V'CHAL -RIHAND	S/C	970	0	22.6	0.0	22.6
44		RAPP-SHUJALPUR	D/C	64	261	0	2	-2
45	220 kV	BADOD-KOTA	S/C	79	3	0.6	0.0	0.6
46		BADOD-MORAK	S/C	26	40	0.0	0.5	-0.5
47		MEHGAON-AURAIYA	S/C	16	17	0.1	0.1	0.0
48		MALANPUR-AURAIYA	S/C	0	38	0.0	0.6	-0.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.8	205.7	-164.9
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	800	0.0	13.9	-13.9
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1025	876	0.3	0.0	0.3
53		WARDHA-NIZAMABAD	D/C	0	1467	0.0	20.0	-20.0
54	400 kV	KOLHAPUR-KUDGI	D/C	1204	0	16.9	0.0	16.9
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	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						18.8	33.9	-15.1
TRANSNATIONAL EXCHANGE								
58		BHUTAN						12.3
59		NEPAL						-7.7
60		BANGLADESH						-14.9