



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 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14, गोलफ क्लब रोड, कोलकाता - 700033
General Manager, 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. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक, द.क्षे.भा.प्रे.के.,29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 28.05.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-मई 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 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

29-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53441	49057	40385	19476	2478	164837
Peak Shortage (MW)	1000	59	0	0	173	1232
Energy Met (MU)	1249	1207	895	435	43	3829
Hydro Gen (MU)	211	25	46	86	24	392
Wind Gen (MU)	6	105	60	-----	-----	171
Solar Gen (MU)*	17.31	20.75	56.60	0.78	0.02	95
Energy Shortage (MU)	25.7	0.0	0.0	0.2	2.1	27.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56513 22:23	53956 15:28	41869 19:20	20042 00:00	2483 19:55	169158 14:53

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	0.083	0.00	3.70	21.50	25.21	71.40	3.39

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	8485	0	188.7	72.5	-1.4	52	0.0
	Har yana	7887	8	167.5	92.3	2.2	326	2.4
	Rajasthan	10810	10	231.3	77.6	6.8	579	9.2
	Delhi	6149	0	125.1	94.4	0.8	260	0.0
	UP	19284	0	423.4	194.0	-1.6	303	2.2
	Uttarakhand	2002	35	42.5	18.8	2.0	237	2.2
	HP	1386	0	26.7	7.4	3.6	326	0.6
WR	J&K	1907	477	38.0	24.0	-5.0	46	9.1
	Chandigarh	323	0	6.3	5.8	0.5	59	0.0
	Chhattisgarh	3793	0	88.0	21.8	-1.3	153	0.0
	Gujarat	16811	0	368.0	122.1	5.8	481	0.0
	MP	9010	0	197.7	113.9	1.3	279	0.0
	Maharashtra	23706	0	511.1	157.7	-0.8	427	0.0
	Goa	498	0	10.8	10.2	0.1	26	0.0
	DD	334	0	7.5	6.7	0.8	117	0.0
	DNH	739	0	15.4	15.4	0.0	80	0.0
	Essar steel	389	0	7.9	8.8	-0.9	126	0.0
SR	Andhra Pradesh	8812	0	184.1	79.7	-0.8	410	0.0
	Telangana	7376	0	159.6	65.0	0.5	304	0.0
	Karnataka	8482	0	172.2	54.9	-3.1	370	0.0
	Kerala	3062	0	64.6	43.6	0.7	206	0.0
	Tamil Nadu	14167	0	306.8	128.5	-1.5	684	0.0
ER	Pondy	376	0	8.2	8.2	0.0	58	0.0
	Bihar	4451	0	82.5	79.9	0.3	415	0.2
	DVC	2921	0	68.6	-48.6	-0.1	210	0.0
	Jharkhand	938	0	19.6	14.7	-0.8	50	0.0
	Odisha	4615	0	94.2	38.7	-1.3	280	0.0
	West Bengal	8086	0	169.4	50.4	0.5	180	0.0
NER	Sikkim	82	0	0.5	1.4	-1.0	0	0.0
	Arunachal Pradesh	108	2	2.5	3.1	-0.6	25	0.0
	Assam	1543	114	25.0	21.1	-0.2	116	1.8
	Manipur	172	1	2.3	2.5	-0.1	32	0.0
	Meghalaya	268	0	4.7	0.4	-0.1	25	0.0
	Mizoram	88	4	1.6	1.5	-0.3	20	0.0
	Nagaland	103	2	2.1	2.1	-0.2	43	0.0
	Tripura	271	0	4.6	4.3	0.4	32	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.5	-8.2	-15.6
Day peak (MW)	728.8	-403.2	-676.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	254.7	-216.1	46.4	-78.3	-6.1	0.6
Actual(MU)	270.0	-222.6	42.5	-82.0	-10.7	-2.8
O/D/U/D(MU)	15.3	-6.5	-3.9	-3.7	-4.6	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4318	11532	7082	2010	101	25043
State Sector	6510	15379	5390	5635	50	32964
Total	10828	26911	12472	7645	150	58006

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	684	1214	612	460	11	2980
Hydro	211	25	47	86	24	394
Nuclear	27	29	36	0	0	92
Gas, Naptha & Diesel	40	59	19	0	24	141
RES (Wind, Solar, Biomass & Others)	44	125	153	1	0	324
Total	1006	1452	868	547	58	3931

Share of RES in total generation (%)	4.35	8.63	17.68	0.24	0.07	8.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.06	12.37	27.29	15.98	40.47	20.60

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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 प्र० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 29-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	332	0.0	5.7	-5.7
2		SASARAM-FATEHPUR	S/C	69	176	0.0	1.2	-1.2
3		GAYA-BALIA	S/C	0	609	0.0	12.5	-12.5
4	HVDC	ALIPURDUAR-AGRA	-	0	284	0.0	11.7	-11.7
5		PUSAULI B/B	S/C	108	0	2.5	0.0	2.5
6	400 kV	PUSAULI-VARANASI	S/C	61	15	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	108	0	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	661	0.0	12.1	-12.1
9		PATNA-BALIA	Q/C	0	1221	0.0	20.4	-20.4
10		BIHARSHARIFF-BALIA	D/C	10	512	0.0	10.3	-10.3
11		MOTIHARI-GORAKHPUR	D/C	3	286	0.0	4.3	-4.3
12	220 kV	BIHARSHARIFF-VARANASI	D/C	333	155	0.0	2.5	-2.5
13		PUSAULI-SAHUPURI	S/C	0	215	0.0	3.4	-3.4
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	84.1	-81.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	808	0	8.7	0.0	8.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	488	150	4.1	0.0	4.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	984	0	14.4	0.0	14.4
21		RANCHI-SIPAT	D/C	233	39	2.4	0.0	2.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	70	82	0.0	0.3	-0.3
23		BUDHIPADAR-KORBA	D/C	57	0	1.8	0.0	1.8
ER-WR						31.4	0.3	31.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1503.8	0.0	24.8	-24.8
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	425.0	0.0	9.8	-9.8
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1971.3	0.0	36.6	-36.6
27	400 kV	TALCHER-I/C	D/C	655.4	0.8	3.5	4.6	-1.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	71.2	-71.2
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	83	366	0.0	2.4	-2
30		ALIPURDUAR-BONGAIGAON	D/C	341	133	3.5	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	21	162	0.0	1.0	-1
ER-NER						3.5	3.4	0.1
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	1287	0.0	54.6	-54.6
34		V'CHAL B/B	D/C	250	250	1.2	4.5	-3.3
35		APL -MHG	D/C	0	1312	0.0	31.5	-31.5
36	765 kV	GWALIOR-AGRA	D/C	0	1303	0.0	26.5	-26.5
37		PHAGI-GWALIOR	D/C	0	1490	0.0	32.3	-32.3
38		JABALPUR-ORAI	D/C	0	1149	0.0	20.9	-20.9
39		GWALIOR-ORAI	S/C	254	0	4.4	0.0	4.4
40		SATNA-ORAI	S/C	0	1820	0.0	41.6	-41.6
41		ZERDA-KANKROLI	S/C	284	0	5.2	0.0	5.2
42	400 kV	ZERDA -BHINMAL	S/C	236	75	2.7	0.0	2.7
43		V'CHAL -RIHAND	S/C	966	0	22.7	0.0	22.7
44		RAPP-SHUJALPUR	D/C	0	275	0	2	-2
45	220 kV	BADOD-KOTA	S/C	73	1	0.7	0.0	0.7
46		BADOD-MORAK	S/C	22	38	0.1	0.4	-0.4
47		MEHGAON-AURAIYA	S/C	23	15	0.1	0.1	0.0
48		MALANPUR-AURAIYA	S/C	0	37	0.0	0.6	-0.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.1	214.9	-177.8
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	500	0.0	9.4	-9.4
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	558	1198	0.0	2.2	-2.2
53		WARDHA-NIZAMABAD	D/C	0	2002	0.0	23.8	-23.8
54	400 kV	KOLHAPUR-KUDGI	D/C	1156	0	21.3	0.0	21.3
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						22.8	35.4	-12.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						15.5
59		NEPAL						-8.2
60		BANGLADESH						-15.6