



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: 28th May 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14, गोल्फ 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 27.05.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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

28-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	50804	46927	37379	19485	2319	156913
Peak Shortage (MW)	994	105	0	0	184	1282
Energy Met (MU)	1233	1166	842	446	43	3730
Hydro Gen (MU)	230	29	38	88	24	409
Wind Gen (MU)	7	84	35	-----	-----	125
Solar Gen (MU)*	21.34	20.66	54.93	0.75	0.03	98
Energy Shortage (MU)	12.2	0.4	0.0	0.0	2.5	15.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55350 22:12	51655 15:20	38371 21:45	20921 00:00	2405 19:04	164618 22:39

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	0.060	0.00	2.23	13.75	15.98	78.68	5.34

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	8290	0	181.9	76.3	-1.5	92	0.0
	Haryana	7347	0	161.2	89.2	1.8	229	0.4
	Rajasthan	10559	0	234.8	81.0	4.5	492	2.4
	Delhi	5835	2	113.0	83.8	-0.1	325	0.6
	UP	18877	0	425.4	185.3	7.6	982	0.0
	Uttarakhand	1952	0	49.5	18.4	1.7	241	0.0
	HP	1299	0	25.9	7.1	2.5	257	0.0
	J&K	1888	472	36.4	22.7	-5.2	13	8.8
WR	Chandigarh	270	0	5.3	5.3	0.0	38	0.0
	Chhattisgarh	3611	0	83.4	18.3	0.7	180	0.4
	Gujarat	16074	0	352.0	119.9	5.9	644	0.0
	MP	8734	0	194.7	113.1	-0.3	388	0.0
	Maharashtra	22466	0	494.7	146.2	1.8	627	0.0
	Goa	461	0	9.0	8.8	-0.3	40	0.0
	DD	312	0	7.1	6.2	1.0	83	0.0
	DNH	750	0	17.6	17.4	0.2	46	0.0
SR	Essar steel	402	0	7.4	7.8	-0.3	132	0.0
	Andhra Pradesh	8525	0	177.1	74.9	-3.0	548	0.0
	Telangana	6865	0	148.3	43.8	-1.3	485	0.0
	Karnataka	7701	0	152.8	47.8	-4.8	347	0.0
	Kerala	3009	0	61.2	44.6	0.5	216	0.0
	Tamil Nadu	12443	0	294.6	133.0	-0.3	740	0.0
	Pondy	359	0	7.6	7.7	0.0	65	0.0
	ER	Bihar	4830	0	93.0	89.0	1.2	345
DVC		3024	0	68.6	-42.1	-0.2	385	0.0
Jharkhand		1099	0	22.8	14.9	2.6	135	0.0
Odisha		4602	0	94.5	39.5	0.6	365	0.0
West Bengal		8149	0	165.3	39.8	1.4	402	0.0
Sikkim		70	0	1.5	1.3	0.1	20	0.0
NER	Arunachal Pradesh	100	2	2.6	3.2	-0.7	25	0.0
	Assam	1458	64	25.2	21.3	-0.2	116	2.3
	Manipur	165	1	2.2	2.6	-0.4	32	0.0
	Meghalaya	275	0	5.3	1.5	-0.4	25	0.0
	Mizoram	80	2	1.3	0.9	0.0	20	0.0
	Nagaland	102	3	2.2	2.3	-0.2	43	0.0
	Tripura	264	0	4.5	4.0	0.2	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.5	-8.6	-15.3
Day peak (MW)	618.3	-462.3	-673.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	244.9	-221.7	51.7	-75.3	-3.7	-4.0
Actual(MU)	261.4	-228.1	32.4	-61.7	-9.7	-5.6
O/D/U/D(MU)	16.5	-6.4	-19.3	13.6	-6.0	-1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4163	12356	7082	1350	101	25052
State Sector	7900	16640	4680	5425	50	34695
Total	12063	28996	11762	6775	150	59746

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	650	1195	604	448	9	2906
Hydro	230	29	40	88	24	411
Nuclear	27	24	36	0	0	87
Gas, Naptha & Diesel	39	50	19	0	23	130
RES (Wind, Solar, Biomass & Others)	48	104	125	1	0	279
Total	994	1402	824	538	56	3813

Share of RES in total generation (%)	4.81	7.44	15.22	0.23	0.07	7.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.63	11.19	24.45	16.64	43.23	20.36

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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(ग्रि०प्रा०)/अध्यक्ष एवं प्रबंध निदेशक (पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 28-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	312	0.0	4.2	-4.2	
2		SASARAM-FATEHPUR	S/C	172	196	0.0	0.3	-0.3	
3		GAYA-BALIA	S/C	0	623	0.0	12.1	-12.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	12.5	-12.5	
5		PUSAULI B/B	S/C	108	0	2.2	0.0	2.2	
6	400 kV	PUSAULI-VARANASI	S/C	63	19	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	113	0	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	657	0.0	9.8	-9.8	
9		PATNA-BALIA	Q/C	0	944	0.0	15.0	-15.0	
10		BIHARSHARIFF-BALIA	D/C	14	538	0.0	10.8	-10.8	
11		MOTIHARI-GORAKHPUR	D/C	6	232	0.0	3.0	-3.0	
12		BIHARSHARIFF-VARANASI	D/C	461	27	0.0	1.7	-1.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	204	0.0	5.2	-5.2	
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	2	1	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						2.8	74.5	-71.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	784	0	9.5	0.0	9.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	489	174	7.0	0.0	7.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	893	0	15.2	0.0	15.2	
21		RANCHI-SIPAT	D/C	230	31	3.5	0.0	3.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	74	69	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	58	0	1.9	0.0	1.9	
ER-WR						37.0	0.1	36.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1404.8	0.0	23.2	-23.2	
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	1482.3	0.0	33.9	-33.9	
27	400 kV	TALCHER-I/C	D/C	728.3	0.8	2.9	4.6	-1.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	67.0	-67.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	31	422	0.0	3.1	-3	
30		ALIPURDUAR-BONGAIGAON	D/C	290	160	2.9	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	148	0.0	1.2	-1	
ER-NER						2.9	4.3	-1.4	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.0	-12.0	
NER-NR						0.0	12.0	-12.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1300	0.0	54.7	-54.7	
34		V'CHAL B/B	D/C	250	250	0.5	3.8	-3.3	
35		APL -MHG	D/C	0	1312	0.0	34.8	-34.8	
36	765 kV	GWALIOR-AGRA	D/C	0	1417	0.0	26.7	-26.7	
37		PHAGI-GWALIOR	D/C	0	1582	0.0	31.6	-31.6	
38		JABALPUR-ORAI	D/C	0	1255	0.0	18.9	-18.9	
39		GWALIOR-ORAI	S/C	499	0	6.3	0.0	6.3	
40		SATNA-ORAI	S/C	0	1854	0.0	41.6	-41.6	
41		400 kV	ZERDA-KANKROLI	S/C	283	0	5.1	0.0	5.1
42			ZERDA -BHINMAL	S/C	235	0	2.8	0.0	2.8
43	V'CHAL -RIHAND		S/C	964	0	21.7	0.0	21.7	
44	220 kV	RAPP-SHUJALPUR	D/C	0	304	0	2	-2	
45		BADOD-KOTA	S/C	90	12	0.7	0.0	0.7	
46		BADOD-MORAK	S/C	36	48	0.1	0.5	-0.4	
47		MEHGAON-AURAIYA	S/C	11	18	0.0	0.2	-0.1	
48		MALANPUR-AURAIYA	S/C	0	40	0.0	0.6	-0.6	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.2	215.3	-178.1	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	0	500	0.0	12.0	-12.0	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	846	1028	1.2	0.0	1.2	
53		WARDHA-NIZAMABAD	D/C	0	1592	0.0	15.6	-15.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1200	0	10.5	0.0	10.5	
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						13.3	27.6	-14.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						12.5	
59		NEPAL						-8.6	
60		BANGLADESH						-15.3	