



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: 06th June 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 05.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-जून 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 05th June 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

6-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53249	47037	41020	20848	2604	164759
Peak Shortage (MW)	1465	135	0	0	125	1725
Energy Met (MU)	1277	1132	869	457	49	3784
Hydro Gen (MU)	312	14	47	83	16	472
Wind Gen (MU)	41	83	99	-----	-----	223
Solar Gen (MU)*	16.33	19.41	54.29	0.77	0.02	91
Energy Shortage (MU)	9.4	0.0	0.0	0.0	0.9	10.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56997 00:44	51233 14:41	41995 19:30	21871 19:56	2646 18:55	166098 19:56

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	0.043	0.00	0.17	12.66	12.84	80.59	6.57

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	8434	0	179.7	99.4	-6.8	110	0.0
	Haryana	8234	19	181.4	121.4	1.7	308	0.1
	Rajasthan	11494	0	252.6	73.8	4.6	536	0.6
	Delhi	6535	0	134.1	107.6	-2.2	139	0.0
	UP	18891	0	411.9	185.2	2.2	454	2.4
	Uttarakhand	2084	0	45.7	20.9	1.4	325	0.0
	HP	1389	0	26.4	2.1	1.5	164	0.0
	J&K	2052	513	38.4	17.4	-3.7	283	6.4
WR	Chandigarh	352	0	6.6	7.1	-0.5	18	0.0
	Chhattisgarh	3558	0	78.1	20.3	-5.1	146	0.0
	Gujarat	16696	0	366.9	153.7	4.6	778	0.0
	MP	8355	0	190.5	93.9	-2.4	478	0.0
	Maharashtra	21163	0	453.0	137.4	1.7	590	0.0
	Goa	469	0	10.3	9.9	-0.1	21	0.0
	DD	348	0	7.8	7.0	0.8	98	0.0
	DNH	780	0	18.2	17.6	0.6	63	0.0
SR	Essar steel	372	0	7.2	6.8	0.4	219	0.0
	Andhra Pradesh	8067	0	170.4	48.2	0.6	742	0.0
	Telangana	7026	0	147.2	71.5	1.0	666	0.0
	Karnataka	7964	0	161.9	53.6	-1.0	402	0.0
	Kerala	3440	0	67.4	50.3	0.6	194	0.0
	Tamil Nadu	14520	0	314.1	119.6	0.0	719	0.0
	Pondy	366	0	7.6	8.2	-0.6	43	0.0
	Bihar	4964	0	94.0	90.2	1.0	310	0.0
ER	DVC	3072	0	72.3	-56.1	-0.5	196	0.0
	Jharkhand	1115	0	25.4	16.7	2.8	136	0.0
	Odisha	4447	0	90.5	37.5	0.0	170	0.0
	West Bengal	8500	0	174.0	49.1	2.8	270	0.0
	Sikkim	91	0	1.1	1.1	0.0	27	0.0
NER	Arunachal Pradesh	121	0	2.1	2.1	0.0	52	0.0
	Assam	1690	56	32.0	26.4	1.6	204	0.6
	Manipur	162	3	2.3	2.1	0.2	29	0.0
	Meghalaya	275	0	4.9	2.4	-0.1	43	0.0
	Mizoram	86	0	1.5	1.0	0.2	19	0.0
	Nagaland	112	2	2.1	1.7	0.2	21	0.0
	Tripura	266	6	4.5	3.9	0.8	37	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.6	-9.7	-15.4
Day peak (MW)	667.5	-522.7	-685.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	230.6	-211.7	44.6	-67.8	4.3	0.0
Actual(MU)	232.8	-215.4	37.2	-60.8	5.5	-0.6
O/D/U/D(MU)	2.2	-3.7	-7.4	7.0	1.2	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3768	11000	7762	2350	192	25072
State Sector	7360	14835	6840	5005	50	34090
Total	11128	25835	14602	7355	242	59162

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	628	1160	545	454	10	2797
Hydro	312	14	48	83	16	473
Nuclear	31	29	46	0	0	107
Gas, Naptha & Diesel	31	50	18	0	22	121
RES (Wind, Solar, Biomass & Others)	72	102	185	1	0	361
Total	1075	1355	843	538	48	3859

Share of RES in total generation (%)	6.71	7.56	22.00	0.26	0.09	9.36
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.66	10.73	33.20	15.64	34.13	24.39

H. Diversity Factor

All India Demand Diversity Factor	1.052
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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 :	6-Jun-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	0	387	0.0	6.7	-6.7	
2		SASARAM-FATEHPUR	S/C	236	95	0.4	0.0	0.4	
3		GAYA-BALIA	S/C	0	521	0.0	10.4	-10.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	12.2	-12.2	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	112	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	49	6	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	61	481	0.0	6.2	-6.2	
9		PATNA-BALIA	Q/C	0	738	0.0	12.1	-12.1	
10		BIHARSHARIFF-BALIA	D/C	0	321	0.0	5.7	-5.7	
11		MOTIHARI-GORAKHPUR	D/C	6	254	0.0	4.0	-4.0	
12	BIHARSHARIFF-VARANASI	D/C	266	185	0.8	0.0	0.8		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	219	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	35	0	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	0	54	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.6	63.0	-61.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1116	0	16.7	0.0	16.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	518	13	7.4	0.0	7.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1052	0	17.2	0.0	17.2	
21		RANCHI-SIPAT	D/C	289	0	4.5	0.0	4.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	50	34	0.1	0.0	0.1	
23		BUDHIPADAR-KORBA	D/C	209	0	2.3	0.0	2.3	
ER-WR						48.1	0.0	48.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1350.8	0.0	22.7	-22.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	580.5	0.0	13.3	-13.3	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1971.5	0.0	41.0	-41.0
27	400 kV	TALCHER-I/C	D/C	1026.1	0.8	0.0	15.4	-15.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	77.0	-77.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	554	0.0	8.9	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	3	328	0.0	2.8	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	147	0.0	2.5	-2	
ER-NER						0.0	14.2	-14.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	400	0.0	9.7	-9.7	
NER-NR						0.0	9.7	-9.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1605	0.0	36.0	-36.0	
34		V'CHAL B/B	D/C	250	0	0.0	5.9	-5.9	
35		APL -MHG	D/C	0	2017	0.0	46.1	-46.1	
36	765 kV	GWALIOR-AGRA	D/C	0	1422	0.0	28.4	-28.4	
37		PHAGI-GWALIOR	D/C	0	1438	0.0	28.7	-28.7	
38		JABALPUR-ORAI	D/C	0	1063	0.0	19.2	-19.2	
39		GWALIOR-ORAI	S/C	490	0	8.8	0.0	8.8	
40		SATNA-ORAI	S/C	0	1858	0.0	43.6	-43.6	
41		ZERDA-KANKROLI	S/C	438	0	8.6	0.0	8.6	
42	400 kV	ZERDA -BHINMAL	S/C	421	0	7.4	0.0	7.4	
43		V'CHAL -RIHAND	S/C	964	0	22.2	0.0	22.2	
44		RAPP-SHUJALPUR	D/C	0	208	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	85	21	0.5	0.1	0.4	
46		BADOD-MORAK	S/C	22	61	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	18	17	0.1	0.2	-0.1	
48		MALANPUR-AURAIYA	S/C	0	46	0.0	0.7	-0.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						47.7	211.4	-163.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	0.0	0.0	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	874	1003	0.3	0.0	0.3	
53		WARDHA-NIZAMABAD	D/C	0	2065	0.0	25.3	-25.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1032	0	19.7	0.0	19.7	
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						21.6	25.3	-3.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						12.6	
59		NEPAL						-9.7	
60		BANGLADESH						-15.4	