



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: 10th June 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., डोंगतेिह, 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 09.06.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जून-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 09th 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

10-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	42754	43909	37593	20452	2617	147325
Peak Shortage (MW)	426	51	0	0	190	667
Energy Met (MU)	1151	1067	791	440	52	3500
Hydro Gen (MU)	312	13	34	74	18	451
Wind Gen (MU)	38	144	189	-----	-----	372
Solar Gen (MU)*	15.39	16.01	37.37	0.73	0.02	70
Energy Shortage (MU)	10.5	0.0	0.0	0.0	1.2	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55341 00:00	46846 15:08	38401 19:48	21448 21:17	2615 18:47	158833 00:00

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	0.028	0.00	0.00	2.13	2.13	77.92	19.95

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	7465	0	156.5	93.3	-2.7	281	0.0
	Haryana	7968	233	148.5	109.8	-0.8	357	0.0
	Rajasthan	10313	0	224.2	72.5	1.3	544	0.0
	Delhi	6326	0	122.1	95.7	-2.6	174	1.4
	UP	18444	0	388.1	175.3	4.1	455	0.0
	Uttarakhand	2036	0	42.9	18.3	-0.5	184	0.0
	HP	1286	0	24.4	2.0	-0.9	166	0.0
	J&K	1914	479	38.6	18.6	-4.6	1	9.1
WR	Chandigarh	268	0	5.5	6.4	-0.8	0	0.0
	Chhattisgarh	3322	0	76.9	19.6	-2.0	401	0.0
	Gujarat	16977	0	366.4	133.2	6.7	624	0.0
	MP	7562	0	169.0	62.6	-2.4	550	0.0
	Maharashtra	18294	0	410.2	115.2	-5.7	557	0.0
	Goa	496	0	10.6	8.7	1.2	34	0.0
	DD	350	0	7.7	7.2	0.5	44	0.0
	DNH	772	0	17.8	17.7	0.1	45	0.0
SR	Essar steel	393	0	8.2	8.3	-0.2	172	0.0
	Andhra Pradesh	6889	0	153.0	19.9	0.5	460	0.0
	Telangana	6671	0	133.4	48.2	-0.1	392	0.0
	Karnataka	7195	0	144.7	41.5	-7.7	448	0.0
	Kerala	2651	0	52.4	41.0	-0.1	280	0.0
	Tamil Nadu	14319	0	299.2	95.5	0.0	480	0.0
	Pondy	362	0	8.0	8.2	-0.2	16	0.0
	ER	Bihar	4840	0	90.6	91.2	-2.9	200
DVC		2974	0	68.4	-27.3	0.3	220	0.0
Jharkhand		1047	0	22.1	16.7	-0.7	85	0.0
Odisha		4582	0	89.5	45.7	2.6	220	0.0
West Bengal		8150	0	168.2	48.5	1.3	225	0.0
Sikkim		86	0	1.2	1.4	-0.2	15	0.0
NER	Arunachal Pradesh	108	4	1.9	2.1	-0.2	2	0.0
	Assam	1724	74	33.9	27.7	1.5	166	0.9
	Manipur	161	4	2.1	2.2	-0.1	24	0.0
	Meghalaya	288	0	5.2	1.6	0.0	46	0.0
	Mizoram	85	5	1.6	1.0	0.3	23	0.0
	Nagaland	118	2	2.1	1.7	0.3	41	0.0
	Tripura	257	0	4.7	4.2	0.2	60	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.3	-5.6	-13.9
Day peak (MW)	568.4	-273.0	-667.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	246.3	-235.4	17.0	-33.0	5.8	0.6
Actual(MU)	260.7	-252.4	7.3	-23.3	7.1	-0.6
O/D/U/D(MU)	14.4	-17.0	-9.6	9.7	1.3	-1.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5573	12184	8602	1850	217	28426
State Sector	7585	16058	8630	4795	50	37118
Total	13158	28242	17232	6645	267	65544

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	492	1103	441	409	10	2455
Hydro	312	13	35	74	18	452
Nuclear	26	28	46	0	0	101
Gas, Naptha & Diesel	33	50	9	0	21	113
RES (Wind, Solar, Biomass & Others)	67	160	262	1	0	491
Total	930	1354	793	485	49	3612

Share of RES in total generation (%)	7.23	11.83	33.01	0.28	0.09	13.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.55	14.86	43.22	15.63	36.71	28.88

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 :	10-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	314	0.0	3.7	-3.7	
2		SASARAM-FATEHPUR	S/C	209	16	1.4	0.0	1.4	
3		GAYA-BALIA	S/C	0	532	0.0	9.0	-9.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	288	0.0	10.5	-10.5	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	102	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	41	18	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	353	0.0	4.1	-4.1	
9		PATNA-BALIA	Q/C	0	720	0.0	10.5	-10.5	
10		BIHARSHARIFF-BALIA	D/C	0	301	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	3	232	0.0	3.4	-3.4	
12	BIHARSHARIFF-VARANASI	D/C	307	68	1.7	0.0	1.7		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	194	0.0	4.0	-4.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.2	0.0	0.2	
16		KARMANASA-SAHUPURI	S/C	0	36	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						3.3	51.4	-48.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1072	0	22.6	0.0	22.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	994	0	14.5	0.0	14.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1219	0	20.1	0.0	20.1	
21		RANCHI-SIPAT	D/C	457	0	7.6	0.0	7.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	150	0	2.0	0.0	2.0	
23		BUDHIPADAR-KORBA	D/C	160	0	2.8	0.0	2.8	
ER-WR						69.6	0.0	69.6	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	152.0	1349.8	0.0	16.3	-16.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	639.1	0.0	11.1	-11.1	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1970.9	0.0	33.5	-33.5
27	400 kV	TALCHER-I/C	D/C	985.0	0.6	0.0	19.2	-19.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	60.9	-60.9	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	552	0.0	10.2	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	0	369	0.0	5.5	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	124	0.0	2.3	-2	
ER-NER						0.0	18.0	-18.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	11.8	-11.8	
NER-NR						0.0	11.8	-11.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	196	0.0	32.4	-32.4	
34		V'CHAL B/B	D/C	250	250	0.8	3.1	-2.3	
35		APL -MHG	D/C	0	2015	0.0	33.5	-33.5	
36	765 kV	GWALIOR-AGRA	D/C	0	2260	0.0	66.7	-66.7	
37		PHAGI-GWALIOR	D/C	0	1706	0.0	27.2	-27.2	
38		JABALPUR-ORAI	D/C	0	1280	0.0	22.4	-22.4	
39		GWALIOR-ORAI	S/C	0	2013	11.1	0.0	11.1	
40		SATNA-ORAI	S/C	658	0	0.0	43.2	-43.2	
41	400 kV	ZERDA-KANKROLI	S/C	405	0	6.2	0.0	6.2	
42		ZERDA -BHINMAL	S/C	362	0	4.9	0.0	4.9	
43		V'CHAL -RIHAND	S/C	475	0	9.4	0.0	9.4	
44		RAPP-SHUJALPUR	D/C	0	394	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	24	83	0.1	0.6	-0.5	
46		BADOD-MORAK	S/C	16	104	0.0	1.2	-1.2	
47		MEHGAON-AURAIYA	S/C	22	84	0.0	0.0	0.0	
48		MALANPUR-AURAIYA	S/C	0	85	0.0	1.0	-1.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						32.5	234.1	-201.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	600	0.0	0.7	-0.7	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	2152	666	12.4	0.0	12.4	
53		WARDHA-NIZAMABAD	D/C	0	1387	0.0	13.4	-13.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	1171	0	18.3	0.0	18.3	
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	109	0	2.1	0.0	2.1	
WR-SR						32.8	14.1	18.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						11.3	
59		NEPAL						-5.6	
60		BANGLADESH						-13.9	