



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: 13th 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., 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 12.06.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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

13-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	54146	45393	39478	18908	2350	160275
Peak Shortage (MW)	363	109	0	0	300	772
Energy Met (MU)	1250	1084	829	425	46	3634
Hydro Gen (MU)	307	14	57	76	19	473
Wind Gen (MU)	55	191	221	-----	-----	467
Solar Gen (MU)*	13.79	19.18	50.03	0.62	0.01	84
Energy Shortage (MU)	11.4	0.0	0.0	0.0	2.5	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57411 21:05	47648 15:25	40294 19:24	19959 00:00	2374 19:35	164060 20:27

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	0.035	0.00	0.10	5.68	5.79	80.41	13.81

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	8153	0	170.3	103.6	-11.3	128	0.0
	Haryana	8075	88	179.1	128.6	1.1	257	0.0
	Rajasthan	10754	0	224.4	58.8	2.2	404	0.0
	Delhi	6623	0	135.5	108.5	-1.9	147	1.4
	UP	19947	0	419.5	182.5	1.2	399	0.0
	Uttarakhand	2127	0	45.1	21.0	-0.3	177	0.0
	HP	1399	0	27.7	3.1	3.6	355	0.1
	J&K	2085	521	42.3	21.1	-3.7	199	10.0
WR	Chandigarh	337	0	6.5	6.6	-0.1	37	0.0
	Chhattisgarh	3038	0	70.7	23.5	-2.3	134	0.0
	Gujarat	16268	0	359.4	122.5	7.5	528	0.0
	MP	7387	0	161.9	43.6	-1.8	345	0.0
	Maharashtra	19606	0	447.6	127.6	1.2	335	0.0
	Goa	408	0	8.9	8.3	-0.1	43	0.0
	DD	354	0	7.8	7.2	0.6	51	0.0
	DNH	774	0	18.2	17.8	0.5	58	0.0
SR	Essar steel	487	0	9.8	9.7	0.1	170	0.0
	Andhra Pradesh	6743	0	153.3	16.1	1.5	571	0.0
	Telangana	6177	0	126.8	46.0	0.3	415	0.0
	Karnataka	7810	0	151.1	42.0	-5.8	646	0.0
	Kerala	3482	0	66.8	41.0	1.5	375	0.0
	Tamil Nadu	14506	0	322.8	95.2	-0.7	486	0.0
	Pondy	389	0	8.2	8.6	-0.4	30	0.0
	Bihar	4571	0	87.4	85.0	-0.3	356	0.0
ER	DVC	2987	0	67.6	-34.7	-1.2	325	0.0
	Jharkhand	1081	0	23.2	17.6	1.1	185	0.0
	Odisha	4280	0	89.1	49.5	1.2	375	0.0
	West Bengal	7736	0	156.2	50.6	1.3	402	0.0
	Sikkim	78	0	1.6	1.4	0.1	25	0.0
NER	Arunachal Pradesh	121	1	1.9	2.5	-0.7	14	0.0
	Assam	1508	225	29.0	25.6	-0.9	139	2.0
	Manipur	136	0	1.8	2.4	-0.6	14	0.1
	Meghalaya	313	0	5.5	2.4	-0.1	37	0.0
	Mizoram	75	2	1.7	1.4	-0.2	5	0.0
	Nagaland	118	6	2.3	1.9	0.2	36	0.0
	Tripura	171	24	3.4	3.8	-0.7	30	0.3

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.7	-6.2	-12.7
Day peak (MW)	922.2	-364.9	-665.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.6	-232.0	6.8	-34.3	6.9	-1.0
Actual(MU)	257.9	-229.6	1.6	-27.2	0.5	3.1
O/D/U/D(MU)	6.3	2.4	-5.3	7.1	-6.4	4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4505	14125	9112	1890	130	29762
State Sector	6485	18068	9920	5305	50	39828
Total	10990	32193	19032	7195	179	69589

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	569	1027	416	399	8	2418
Hydro	307	14	58	76	19	474
Nuclear	30	30	46	0	0	106
Gas, Naptha & Diesel	35	49	10	0	22	116
RES (Wind, Solar, Biomass & Others)	83	210	307	1	0	601
Total	1025	1329	838	475	49	3716

Share of RES in total generation (%)	8.06	15.83	36.60	0.20	0.04	16.17
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.00	19.10	49.11	16.10	39.15	31.79

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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 :	13-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	419	0.0	5.0	-5.0	
2		SASARAM-FATEHPUR	S/C	162	33	1.0	0.0	1.0	
3		GAYA-BALIA	S/C	0	545	0.0	9.7	-9.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	13.0	-13.0	
5		PUSAULI B/B	S/C	0	248	0.0	4.2	-4.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	202	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	24	123	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	576	0.0	7.6	-7.6	
9		PATNA-BALIA	Q/C	0	871	0.0	11.9	-11.9	
10		BIHARSHARIFF-BALIA	D/C	0	415	0.0	6.0	-6.0	
11		MOTIHARI-GORAKHPUR	D/C	6	276	0.0	4.1	-4.1	
12		BIHARSHARIFF-VARANASI	D/C	441	12	0.2	0.0	0.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	211	0.0	4.6	-4.6	
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	37	0.4	0.0	0.4	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						2.0	66.0	-64.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	865	0	17.3	0.0	17.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	935	0	15.1	0.0	15.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1055	0	16.3	0.0	16.3	
21		RANCHI-SIPAT	D/C	428	3	6.9	0.0	6.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	155	50	1.4	0.0	1.4	
23		BUDHIPADAR-KORBA	D/C	146	0	2.3	0.0	2.3	
ER-WR						59.3	0.0	59.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1260.8	0.0	17.1	-17.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	501.4	0.0	8.7	-8.7	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1286.2	0.0	19.9	-19.9	
27	400 kV	TALCHER-I/C	D/C	860.5	0.0	0.0	12.3	-12.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	45.8	-45.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	491	0.0	7.7	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	85	250	0.0	2.2	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	129	0.0	2.0	-2	
ER-NER						0.0	11.8	-11.8	
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	159	0.0	24.2	-24.2	
34		V'CHAL B/B	D/C	250	250	5.1	0.4	4.6	
35		APL -MHG	D/C	0	1814	0.0	38.0	-38.0	
36	765 kV	GWALIOR-AGRA	D/C	0	2596	0.0	52.6	-52.6	
37		PHAGI-GWALIOR	D/C	0	1552	0.0	29.5	-29.5	
38		JABALPUR-ORAI	D/C	0	1336	0.0	25.8	-25.8	
39		GWALIOR-ORAI	S/C	0	1834	9.2	0.0	9.2	
40		SATNA-ORAI	S/C	485	0	0.0	39.8	-39.8	
41	400 kV	ZERDA-KANKROLI	S/C	440	0	6.2	0.0	6.2	
42		ZERDA -BHINMAL	S/C	434	0	6.4	0.0	6.4	
43		V'CHAL -RIHAND	S/C	474	0	10.5	0.0	10.5	
44		RAPP-SHUJALPUR	D/C	0	320	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	0	132	0.0	1.4	-1.4	
46		BADOD-MORAK	S/C	0	126	0.0	1.9	-1.9	
47		MEHGAON-AURAIYA	S/C	8	55	0.0	0.5	-0.5	
48		MALANPUR-AURAIYA	S/C	0	71	0.0	1.1	-1.1	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.3	217.6	-180.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	8.9	-8.9	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1550	486	11.1	0.0	11.1	
53		WARDHA-NIZAMABAD	D/C	171	1284	0.0	8.5	-8.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	806	0	14.3	0.0	14.3	
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						27.5	17.4	10.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						17.7	
59		NEPAL						-6.2	
60		BANGLADESH						-12.7	