National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराय, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 15th July 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., डोंगतिएह, 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 14.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14 जुलाई 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 14th July 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** **15-Jul-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52758	42377	37286	19793	2634	154848
Peak Shortage (MW)	1320	0	0	0	166	1486
Energy Met (MU)	1203	974	814	439	51	3481
Hydro Gen (MU)	316	23	68	93	28	528
Wind Gen (MU)	10	85	222	----------	----------	317
Solar Gen (MU)*	15.10	10.76	34.69	0.63	0.02	61
Energy Shortage (MU)	10.6	0.0	0.0	0.0	1.3	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55034 23:23	44377 11:48	38043 19:21	21561 20:37	2543 19:37	159653 19:59

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	0.13	12.69	12.81	82.71	4.48

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	10922	0	238.7	139.3	0.1	107	0.0
	Haryana	8763	0	187.2	149.4	1.4	436	0.1
	Rajasthan	8758	0	196.3	71.3	0.2	364	0.0
	Delhi	5234	0	109.4	86.0	-2.1	160	0.1
	UP	17452	930	351.4	172.1	-0.2	299	0.0
	Uttarakhand	1833	75	41.3	20.3	1.5	270	0.1
	HP	1466	68	29.1	0.3	4.8	383	0.0
	J&K	2184	546	43.7	18.0	0.1	337	10.4
	Chandigarh	266	0	5.5	6.3	-0.8	0	0.0
WR	Chhattisgarh	3495	0	78.6	17.4	-0.8	426	0.0
	Gujarat	13369	0	298.1	100.7	4.3	873	0.0
	MP	7348	0	161.2	75.2	2.4	457	0.0
	Maharashtra	17511	0	388.9	108.3	-0.2	777	0.0
	Goa	351	0	8.8	7.9	0.3	132	0.0
	DD	330	0	9.5	6.0	3.5	111	0.0
	DNH	797	0	17.4	16.5	0.9	95	0.0
	Essar steel	11272	0	11.4	11.4	-0.1	291	0.0
SR	Andhra Pradesh	6760	0	150.6	12.3	0.5	586	0.0
	Telangana	6976	0	145.6	70.9	-0.5	385	0.0
	Karnataka	7334	0	152.8	32.5	-1.7	464	0.0
	Kerala	2877	0	60.3	34.9	0.7	248	0.0
	Tamil Nadu	13383	0	297.4	110.5	-2.0	601	0.0
	Pondy	357	0	7.8	7.9	0.0	35	0.0
ER	Bihar	5121	0	100.3	95.4	2.2	345	0.0
	DVC	3438	0	71.3	-25.5	-0.2	385	0.0
	Jharkhand	1122	0	24.9	19.3	0.1	145	0.0
	Odisha	3878	0	69.9	30.0	1.9	402	0.0
	West Bengal	8401	0	171.4	56.8	1.5	445	0.0
	Sikkim	75	0	1.1	1.4	-0.3	20	0.0
NER	Arunachal Pradesh	97	1	2.4	2.8	-0.4	2	0.0
	Assam	1716	33	32.8	27.3	0.6	116	0.9
	Manipur	160	1	2.5	2.7	-0.2	34	0.0
	Meghalaya	303	0	5.5	0.6	-0.1	34	0.0
	Mizoram	74	3	1.6	1.0	0.0	27	0.0
	Nagaland	94	2	2.3	2.2	-0.3	3	0.0
	Tripura	239	2	4.1	4.3	-0.9	5	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.8	-6.5	-13.0
Day peak (MW)	1486.1	-339.0	-573.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.1	-224.3	5.3	-62.6	-1.9	-0.4
Actual(MU)	279.9	-214.8	-4.6	-50.9	-6.2	3.4
O/D/U/D(MU)	-3.2	9.5	-9.9	11.7	-4.3	3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4474	16247	8252	1155	81	30209
State Sector	7325	18231	12470	5705	50	43781
Total	11799	34478	20722	6860	131	73989

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	540	1017	405	419	8	2390
Hydro	316	23	69	93	28	530
Nuclear	27	30	46	0	0	103
Gas, Naptha & Diesel	25	39	23	0	24	110
RES (Wind, Solar, Biomass & Others)	35	96	290	1	0	422
Total	943	1205	833	513	61	3555

Share of RES in total generation (%)	3.70	7.98	34.84	0.18	0.08	11.88
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.14	12.40	48.63	18.27	46.77	29.68

H. Diversity Factor

All India Demand Diversity Factor	1.012

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.

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **15-Jul-18**

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	514	0.0	8.5	-8.5
2		SASARAM-FATEHPUR	S/C	141	66	1.3	0.0	1.3
3		GAYA-BALIA	S/C	0	397	0.0	7.4	-7.4
4	HVDC	ALIPURDUAR-AGRA	-	0	534	0.0	12.6	-12.6
5		PUSAULI B/B	S/C	0	147	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	137	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	77	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	812	0.0	14.9	-14.9
9		PATNA-BALIA	Q/C	0	922	0.0	20.4	-20.4
10		BIHARSHARIFF-BALIA	D/C	14	344	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	310	0	5.0	0.0	5.0
12		BIHARSHARIFF-VARANASI	D/C	856	0	0.0	2.4	-2.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	192	0.0	4.1	-4.1
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	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	**6.7**	**79.6**	**-72.9**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	594	93	7.3	0.0	7.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	927	0	16.7	0.0	16.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	997	0	16.9	0.0	16.9
21		RANCHI-SIPAT	D/C	424	0	7.8	0.0	7.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	86	40	0.5	0.0	0.5
23		BUDHIPADAR-KORBA	D/C	140	0	2.1	0.0	2.1
					ER-WR	**51.3**	**0.0**	**51.3**
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	339.2	943.9	0.0	6.5	-6.5
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.9	-9.9
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1583.4	0.0	25.9	-25.9
27	400 kV	TALCHER-I/C	D/C	725.0	0.5	0.0	11.5	-11.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**42.2**	**-42.2**
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	387	0.0	6.0	-6
30		ALIPURDUAR-BONGAIGAON	D/C	162	190	0.0	0.8	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	3.4	-3
					ER-NER	**0.0**	**10.2**	**-10.2**
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.2	-17.2
					NER-NR	**0.0**	**17.2**	**-17.2**
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1504	0.0	32.0	-32.0
34		V'CHAL B/B	D/C	144	103	1.8	1.2	0.6
35		APL -MHG	D/C	0	1453	0.0	36.3	-36.3
36	765 kV	GWALIOR-AGRA	D/C	0	1301	0.0	50.1	-50.1
37		PHAGI-GWALIOR	D/C	0	1760	0.0	34.0	-34.0
38		JABALPUR-ORAI	D/C	0	675	0.0	29.5	-29.5
39		GWALIOR-ORAI	S/C	467	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1681	0.0	37.2	-37.2
41	400 kV	ZERDA-KANKROLI	S/C	311	45	2.4	0.0	2.4
42		ZERDA -BHINMAL	S/C	153	59	0.0	0.0	0.0
43		V'CHAL -RIHAND	S/C	940	0	21.5	0.0	21.5
44		RAPP-SHUJALPUR	D/C	0	409	0	3	-3
45	220 kV	BADOD-KOTA	S/C	12	45	0.2	0.4	-0.2
46		BADOD-MORAK	S/C	0	79	0.0	1.0	-1.0
47		MEHGAON-AURAIYA	S/C	26	30	0.1	0.3	-0.2
48		MALANPUR-AURAIYA	S/C	2	51	0.0	0.7	-0.7
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**36.0**	**226.0**	**-190.0**
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	806	0.0	8.0	-8.0
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	2286	13	21.8	0.0	21.8
53		WARDHA-NIZAMABAD	D/C	604	1162	0.0	7.6	-7.6
54	400 kV	KOLHAPUR-KUDGI	D/C	1081	0	16.5	0.0	16.5
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	0	0	0.0	0.0	0.0
					WR-SR	**38.3**	**15.6**	**22.7**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**32.8**
59		NEPAL						**-6.5**
60		BANGLADESH						**-13.0**