



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: 05th August 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 04.08.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-अगस्त-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 04th August 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

5-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54960	47289	41319	20845	2716	167128
Peak Shortage (MW)	1853	11	10	0	125	1999
Energy Met (MU)	1279	1109	958	435	52	3832
Hydro Gen (MU)	337	21	107	109	28	601
Wind Gen (MU)	51	156	205	-----	-----	412
Solar Gen (MU)*	11.74	15.76	51.17	0.53	0.02	79
Energy Shortage (MU)	10.8	0.2	0.1	0.0	1.3	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56750 21:39	49295 10:11	41880 19:33	21186 20:37	2757 18:54	169591 19:55

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	0.046	0.28	0.31	12.73	13.32	81.53	5.15

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	11778	0	273.6	140.2	-0.8	56	0.0
	Haryana	9297	0	201.8	154.5	0.7	249	0.0
	Rajasthan	11018	0	237.5	54.5	2.8	427	0.4
	Delhi	5615	0	115.5	90.8	0.2	202	0.1
	UP	15159	0	334.5	179.0	0.1	347	0.1
	Uttarakhand	1826	0	38.4	18.7	0.5	162	0.0
	HP	1343	0	28.4	-3.6	4.1	365	0.1
	J&K	2092	523	43.0	19.5	-2.0	248	10.2
WR	Chandigarh	277	0	5.9	6.3	-0.5	23	0.0
	Chhattisgarh	4106	0	92.9	31.3	-1.7	268	0.0
	Gujarat	15172	0	342.9	56.6	3.2	311	0.0
	MP	8428	0	186.3	86.1	2.8	586	0.0
	Maharashtra	20064	9	440.6	108.4	1.0	405	0.2
	Goa	444	0	11.6	8.7	2.3	150	0.0
	DD	329	0	7.5	6.4	1.1	86	0.0
	DNH	754	0	17.5	16.0	1.5	91	0.0
SR	Essar steel	479	0	10.2	10.3	-0.1	252	0.0
	Andhra Pradesh	8710	0	185.4	16.2	0.8	406	0.0
	Telangana	9932	0	212.0	109.3	-0.6	480	0.0
	Karnataka	8827	0	187.1	48.1	0.7	394	0.0
	Kerala	3232	0	65.7	27.6	0.1	159	0.0
	Tamil Nadu	13953	0	299.7	89.5	-1.5	492	0.0
	Pondy	345	10	7.7	7.9	-0.3	38	0.1
	ER	Bihar	4460	0	82.3	82.6	-0.6	200
DVC		2965	0	69.1	-34.2	-0.5	150	0.0
Jharkhand		1098	0	22.6	19.7	0.7	80	0.0
Odisha		5297	0	107.9	60.4	-0.5	220	0.0
West Bengal		7856	0	152.1	47.1	4.8	300	0.0
Sikkim		85	0	1.3	1.6	-0.3	12	0.0
NER	Arunachal Pradesh	118	2	2.4	2.6	-0.2	0	0.0
	Assam	1734	86	32.9	27.1	1.3	222	1.1
	Manipur	170	1	2.4	2.4	0.0	15	0.0
	Meghalaya	310	0	5.9	0.7	-0.1	64	0.0
	Mizoram	85	1	1.4	1.0	0.1	6	0.0
	Nagaland	116	2	2.2	1.8	0.0	9	0.0
	Tripura	264	11	4.3	5.6	0.3	43	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.1	-3.8	-14.2
Day peak (MW)	1516.6	-258.1	-654.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.5	-242.1	45.2	-59.6	-6.0	0.1
Actual(MU)	260.1	-244.1	42.2	-46.3	-7.1	4.8
O/D/U/D(MU)	-2.4	-2.0	-3.0	13.3	-1.1	4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4920	16405	9972	1670	179	33146
State Sector	10835	14528	9170	4985	50	39568
Total	15755	30933	19142	6655	229	72713

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	576	1098	479	407	9	2569
Hydro	337	21	109	109	28	603
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	23	43	24	0	25	115
RES (Wind, Solar, Biomass & Others)	76	171	295	1	0	543
Total	1039	1361	929	516	62	3908

Share of RES in total generation (%)	7.30	12.60	31.70	0.15	0.05	13.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.34	16.18	45.97	21.28	44.69	31.35

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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.

INTER-REGIONAL EXCHANGES

Date of Reporting : 5-Aug-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	527	0.0	9.3	-9.3	
2		SASARAM-FATEHPUR	S/C	187	199	0.0	1.4	-1.4	
3		GAYA-BALIA	S/C	0	367	0.0	5.6	-5.6	
4		ALIPURDUAR-AGRA	-	0	687	0.0	14.1	-14.1	
5	HVDC	PUSAULI B/B	S/C	0	144	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	68	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	87	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	919	0.0	16.8	-16.8	
9		PATNA-BALIA	Q/C	0	1029	0.0	20.4	-20.4	
10		BIHARSHARIFF-BALIA	D/C	0	321	0.0	7.2	-7.2	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.6	0.0	4.6	
12		BIHARSHARIFF-VARANASI	D/C	981	0	0.0	5.4	-5.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	95	0.0	2.7	-2.7	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.5	0.0	0.5	
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						5.0	86.6	-81.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1232	0	32.9	0.0	32.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	656	35	8.7	0.0	8.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	947	0	16.8	0.0	16.8	
21		RANCHI-SIPAT	D/C	337	0	5.3	0.0	5.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	184	0	2.7	0.0	2.7	
23		BUDHIPADAR-KORBA	D/C	195	0	3.9	0.0	3.9	
ER-WR						70.2	0.0	70.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1059.8	0.0	15.0	-15.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	465.9	0.0	11.6	-11.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.2	0.0	35.2	-35.2	
27	400 kV	TALCHER-I/C	D/C	853.2	0.8	0.7	9.6	-8.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	61.7	-61.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	56	507	0.0	5.9	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	266	174	0.7	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	123	0.0	1.6	-2	
ER-NER						0.7	7.4	-6.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.1	-16.1	
NER-NR						0.0	16.1	-16.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	27.7	-27.7	
34		V'CHAL B/B	D/C	242	53	2.9	0.6	2.2	
35		APL -MHG	D/C	0	1171	0.0	26.6	-26.6	
36		GWALIOR-AGRA	D/C	0	1384	0.0	53.5	-53.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1455	0.0	25.5	-25.5	
38		JABALPUR-ORAI	D/C	0	722	0.0	25.6	-25.6	
39		GWALIOR-ORAI	S/C	426	0	8.5	0.0	8.5	
40		SATNA-ORAI	S/C	0	1806	0.0	38.8	-38.8	
41		400 kV	ZERDA-KANKROLI	S/C	170	191	0.5	0.0	0.5
42			ZERDA -BHINMAL	S/C	156	173	0.3	0.0	0.3
43	V'CHAL -RIHAND		S/C	965	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	216	340	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	54	39	0.1	1.1	-0.9	
46		BADOD-MORAK	S/C	8	72	0.0	0.6	-0.6	
47		MEHGAON-AURAIYA	S/C	44	21	0.3	0.1	0.2	
48	132kV	MALANPUR-AURAIYA	S/C	21	39	0.0	0.4	-0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.8	201.1	-166.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1009	0.0	13.8	-13.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1218	457	8.5	0.0	8.5	
53		WARDHA-NIZAMABAD	D/C	0	1607	0.0	22.7	-22.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	780	0	8.8	0.0	8.8	
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						17.2	36.5	-19.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.1	
59		NEPAL						-3.8	
60		BANGLADESH						-14.2	