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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 26th July 2019

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
   Executive Director, 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. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 25.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जुलाई-2019 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 25th July 2019, 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** **26-Jul-19**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53510	46532	40533	20340	2654	163569
Peak Shortage (MW)	522	0	0	0	204	726
Energy Met (MU)	1233	1111	923	439	51	3758
Hydro Gen (MU)	327	16	36	114	30	523
Wind Gen (MU)	60	161	144	----------	----------	365
Solar Gen (MU)*	17.73	16	60.93	1.88	0.03	97
Energy Shortage (MU)	9.0	0.0	0.0	0.0	1.5	10.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57529	49861	40018	21807	2729	163746
	00:12	10:22	07:35	20:51	19:23	20:19

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	0.037	0.00	0.00	3.01	3.01	67.41	29.58

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	11106	0	229.6	135.3	-1.9	62	0.0
	Haryana	8536	0	183.2	143.0	0.4	289	0.0
	Rajasthan	10105	0	219.3	42.6	-4.0	330	0.0
	Delhi	5632	0	115.2	97.7	-1.9	68	0.2
	UP	18325	0	372.2	173.9	-2.4	845	0.0
	Uttarakhand	1847	0	40.7	16.0	-1.1	115	0.0
	HP	1450	0	29.5	2.2	-0.3	132	0.0
	J&K	2124	531	37.0	17.1	0.6	323	8.8
	Chandigarh	297	0	6.0	7.0	-1.0	-15	0.0
WR	Chhattisgarh	4358	0	100.1	42.7	-1.9	226	0.0
	Gujarat	15500	0	346.8	70.3	-0.4	952	0.0
	MP	8725	0	197.9	98.2	-2.8	502	0.0
	Maharashtra	18822	0	423.8	107.5	-1.3	439	0.0
	Goa	541	0	11.3	11.0	-0.3	38	0.0
	DD	336	0	7.1	6.7	0.4	80	0.0
	DNH	816	0	19.0	19.2	-0.2	57	0.0
	Essar steel	324	0	5.7	5.7	0.0	317	0.0
SR	Andhra Pradesh	7673	0	174.1	26.6	0.3	548	0.0
	Telangana	9468	0	199.0	106.7	0.6	780	0.0
	Karnataka	8625	0	163.7	52.2	-0.4	854	0.0
	Kerala	3395	0	65.7	51.9	2.2	280	0.0
	Tamil Nadu	14226	0	312.5	130.6	0.5	580	0.0
	Pondy	402	0	8.5	8.8	-0.3	28	0.0
ER	Bihar	5072	0	90.6	88.1	-1.5	150	0.0
	DVC	2808	0	63.7	-37.5	-0.5	200	0.0
	Jharkhand	1124	0	22.7	14.8	-0.5	80	0.0
	Odisha	4029	0	86.9	42.9	1.0	250	0.0
	West Bengal	8356	0	174.5	77.6	2.8	270	0.0
	Sikkim	82	0	0.9	1.2	-0.3	15	0.0
NER	Arunachal Pradesh	128	2	2.3	2.4	-0.1	57	0.0
	Assam	1710	126	31.7	25.5	0.5	148	1.5
	Manipur	174	1	2.6	2.3	0.3	21	0.0
	Meghalaya	320	0	5.6	-1.2	0.3	69	0.0
	Mizoram	84	2	1.9	1.0	0.1	45	0.0
	Nagaland	122	3	2.3	2.1	0.0	32	0.0
	Tripura	252	23	4.7	4.8	-0.3	76	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.2	-2.7	-26.5
Day peak (MW)	1947.5	-284.0	-1119.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	260.8	-232.0	21.9	-35.5	-14.6	0.5
Actual(MU)	228.7	-247.1	62.7	-31.6	-10.8	1.9
O/D/U/D(MU)	-32.2	-15.1	40.8	3.9	3.8	1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4339	16691	5902	2300	82	29314
State Sector	7755	14532	8060	4830	50	35227
Total	12094	31223	13962	7130	131	64540

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	536	1082	481	381	10	2490
Lignite	15	14	42	0	0	71
Hydro	327	16	36	114	30	523
Nuclear	27	31	60	0	0	118
Gas, Naptha & Diesel	27	47	13	0	28	116
RES (Wind, Solar, Biomass & Others)	91	185	236	2	0	514
Total	1024	1374	868	497	68	3832
Share of RES in total generation (%)	8.84	13.49	27.22	0.38	0.04	13.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.46	16.89	38.21	23.34	43.68	30.14

H. Diversity Factor

All India Demand Diversity Factor	1.050

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.

मुख्य महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **26-Jul-19**

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	198	236	0.0	0.4	-0.4
2		SASARAM-FATEHPUR	S/C	228	177	2.2	0.0	2.2
3		GAYA-BALIA	S/C	0	296	0.0	4.3	-4.3
4	HVDC	ALIPURDUAR-AGRA	-	0	1603	0.0	39.0	-39.0
5		PUSAULI B/B	S/C	0	248	0.0	6.0	-6.0
6	400 kV	PUSAULI-VARANASI	S/C	0	233	0.0	4.7	-4.7
7		PUSAULI -ALLAHABAD	S/C	0	98	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	11	569	0.0	7.0	-7.0
9		PATNA-BALIA	Q/C	0	519	0.0	6.7	-6.7
10		BIHARSHARIFF-BALIA	D/C	0	212	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	0	293	0.0	3.8	-3.8
12		BIHARSHARIFF-VARANASI	D/C	220	66	2.3	0.0	2.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	149	0.0	2.8	-2.8
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	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	**4.8**	**79.0**	**-74.2**
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1893	0	34.4	0.0	34.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	1328	0	22.3	0.0	22.3
20		JHARSUGUDA-DURG	D/C	432	1	6.7	0.0	6.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	226	163	2.1	0.0	2.1
22		RANCHI-SIPAT	D/C	464	0	7.5	0.0	7.5
23	220 kV	BUDHIPADAR-RAIGARH	S/C	18	50	0.0	0.3	-0.3
24		BUDHIPADAR-KORBA	D/C	225	0	4.4	0.0	4.4
					ER-WR	**77.3**	**0.3**	**77.0**
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2006.0	0.0	23.2	-23.2
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	425.0	0.0	9.9	-9.9
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	30.9	-30.9
28	400 kV	TALCHER-I/C	D/C	735.0	959.0	3.5	0.0	3.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**64.1**	**-64.1**
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	688	0.0	10.5	-11
31		ALIPURDUAR-BONGAIGAON	D/C	273	166	2.5	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	96	0.0	1.2	-1
					ER-NER	**2.5**	**11.7**	**-9.1**
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	903	0.0	21.5	-21.5
					NER-NR	**0.0**	**21.5**	**-21.5**
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	29.0	-29.0
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1454	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2189	0.0	35.6	-35.6
38		PHAGI-GWALIOR	D/C	0	982	0.0	17.2	-17.2
39		JABALPUR-ORAI	D/C	0	915	0.0	30.7	-30.7
40		GWALIOR-ORAI	S/C	329	0	6.1	0.0	6.1
41		SATNA-ORAI	S/C	0	1325	0.0	26.5	-26.5
42		CHITTORGARH-BANASKANTHA	D/C	90	781	0.0	4.8	4.8
43	400 kV	ZERDA-KANKROLI	S/C	137	55	1.3	0.2	1.1
44		ZERDA -BHINMAL	S/C	317	0	4.6	0.0	4.6
45		V'CHAL -RIHAND	S/C	964	0	22.0	0.0	22.0
46		RAPP-SHUJALPUR	D/C	183	261	0	0	0
47	220 kV	BHANPURA-RANPUR	S/C	32	56	0.2	0.3	-0.1
48		BHANPURA-MORAK	S/C	6	123	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	65	14	0.5	0.0	0.5
50		MALANPUR-AURAIYA	S/C	38	32	0.1	0.2	-0.1
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**46.9**	**182.7**	**-126.3**
Import/Export of WR (With SR)								
52	HVDC LINK	BHADRAWATI B/B	-	0	1009	0.0	15.4	-15.4
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1350	1869	0.0	2.5	-2.5
55		WARDHA-NIZAMABAD	D/C	0	2578	0.0	30.8	-30.8
56	400 kV	KOLHAPUR-KUDGI	D/C	1164	0	16.5	0.0	16.5
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7
					WR-SR	**17.2**	**49.9**	**-32.7**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**43.2**
61		NEPAL						**-2.7**
62		BANGLADESH						**-26.5**