

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 28th July 2019

To,

- 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 27.07.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-जुलाई-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ 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 27th July 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

49.8-49.9

Date of Reporting

49.9-50.05

28-Jul-19

> 50.05

27.04

Report for previous day

<49.7

A. Power Supply Position at All India and Regional level

B. Frequency Profile (%)

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	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49630	44951	38701	20093	2731	156106
Peak Shortage (MW)	460	0	0	0	183	643
Energy Met (MU)	1135	1027	868	432	49	3511
Hydro Gen (MU)	312	15	37	122	29	516
Wind Gen (MU)	27	199	154			380
Solar Gen (MU)*	23.07	11.2	46.33	1.85	0.04	82
Energy Shortage (MU)	9.6	0.0	0.0	0.0	2.6	12.2
Maximum Demand Met during the day	51457	47382	34499	21220	2720	156017
(MINI) & time (from NI DC CCADA)	00.00	10.42	10.51	20.12	10.00	10.56

49.7-49.8

Region All India FVI 0.039

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
	Punjab	10165	0	206.3	129.1	-1.9	48	0.0
	Haryana	7148	0	157.8	124.4	0.1	339	0.0
	Rajasthan	9024	0	198.7	45.5	-4.0	263	0.0
	Delhi	4666	0	100.7	84.6	-0.1	132	0.0
NR	UP	18181	0	359.1	158.6	0.7	655	0.0
	Uttarakhand	1762	0	38.3	12.4	0.8	97	0.0
	HP	1425	0	28.9	-1.5	-0.7	61	0.0
	J&K	2018	505	40.5	17.1	3.0	838	9.6
	Chandigarh	233	0	4.9	5.9	-0.9	-14	0.0
	Chhattisgarh	3913	0	91.7	33.6	-1.4	246	0.0
	Gujarat	15098	0	334.6	79.4	0.4	566	0.0
	MP	8185	0	183.2	80.7	-3.5	448	0.0
14/0	Maharashtra	16716	0	374.0	65.6	-0.4	527	0.0
WR	Goa	541	0	11.3	11.1	-0.4	49	0.0
	DD	315	0	7.2	6.8	0.4	58	0.0
	DNH	800	0	18.7	18.7	0.0	133	0.0
	Essar steel	288	0	5.9	5.7	0.2	266	0.0
	Andhra Pradesh	6823	0	154.9	22.1	0.7	678	0.0
	Telangana	7788	0	167.8	88.4	1.4	442	0.0
SR	Karnataka	8944	0	165.4	31.2	-2.0	660	0.0
3N	Kerala	3351	0	66.3	52.4	2.7	273	0.0
	Tamil Nadu	13588	0	305.3	132.7	1.1	703	0.0
	Pondy	373	0	8.0	8.3	-0.3	34	0.0
	Bihar	5109	0	91.9	87.5	0.5	50	0.0
	DVC	3038	0	63.5	-36.0	0.1	150	0.0
ER	Jharkhand	998	0	22.2	14.5	-1.3	80	0.0
EK	Odisha	4438	0	87.9	33.0	4.5	500	0.0
	West Bengal	8080	0	166.0	71.2	1.4	200	0.0
	Sikkim	76	0	0.8	1.2	-0.4	15	0.0
	Arunachal Pradesh	122	0	2.3	2.5	-0.2	23	0.0
	Assam	1720	143	30.5	24.4	0.5	112	2.5
	Manipur	174	2	2.4	2.3	0.1	19	0.0
NER	Meghalaya	310	0	5.7	0.5	-0.2	43	0.0
	Mizoram	92	1	1.6	1.0	0.3	25	0.0
	Nagaland	129	2	2.3	2.2	-0.3	8	0.0
	Tripura	283	3	4.6	4.6	-0.6	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.9	-2.8	-23.1
Day peak (MW)	1964.3	-130.0	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	249.0	-235.1	46.3	-47.2	-13.0	0.0
Actual(MU)	236.1	-262.1	67.9	-26.2	-13.5	2.1
O/D/U/D(MU)	-12.9	-27.1	21.6	20.9	-0.5	2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6118	18405	8212	3010	82	35826
State Sector	10140	18877	9060	4230	50	42357
Total	16258	37282	17272	7240	131	78182

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	448	977	417	356	11	2208
Lignite	16	15	41	0	0	72
Hydro	312	15	37	122	29	516
Nuclear	27	31	60	0	0	118
Gas, Naptha & Diesel	25	43	16	0	29	113
RES (Wind, Solar, Biomass & Others)	82	219	238	2	0	541
Total	910	1300	808	480	69	3567

Share of RES in total generation (%)	9.01	16.84	29.47	0.39	0.06	15.17
Share of Non-fossil fuel (Hydro, Nuclear and	46.34	20.39	41.42	25.84	12.78	32.94
RES) in total generation (%)	40.34	20.39	41.43	25.04	42.76	32.54

H. Diversity Factor
All India Demand Diversity Factor

^{*}Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

		INI	ER-REGI	ONAL EXCH	ANGES	Date of	Reporting :	28-Jul-19
						Date of	reporting .	
								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/F	Export of	ER (With NR)			1			
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	202	294 27	0.0 2.0	0.0	-1.4 2.0
3	70587	GAYA-BALIA	S/C	0	336	0.0	5.0	-5.0
4	HVDC	ALIPURDUAR-AGRA	- 0.00	0	1602	0.0	38.4	-38.4
5 6		PUSAULI B/B PUSAULI-VARANASI	S/C S/C	0	123 143	0.0	3.0 2.6	-3.0 -2.6
7		PUSAULI -ALLAHABAD	S/C	45	50	0.0	0.2	-0.2
8	3	MUZAFFARPUR-GORAKHPUR	D/C	0	655	0.0	9.8	-9.8
9	400 kV	PATNA-BALIA	Q/C	0	557	0.0	7.3	-7.3
10		BIHARSHARIFF-BALIA	D/C	0	260	0.0	4.8	-4.8
11		MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	D/C D/C	0 141	230 106	0.0	3.3 0.0	-3.3 0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	148	0.0	2.8	-2.8
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	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 ER-NR	0.0 3.1	0.0 78.6	0.0 -75.5
Import/F	Export of	ER (With WR)			211.111	3.1	76.0	-13.5
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	2046	0	40.9	0.0	40.9
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1392	0	24.9	0.0	24.9
20	<u>L</u>	JHARSUGUDA-DURG	D/C	422	0	7.8	0.0	7.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	378	0	5.4	0.0	5.4
22		RANCHI-SIPAT BUDHIPADAR-RAIGARH	D/C S/C	492 51	45	9.7	0.0	9.7
24	220 kV	BUDHIPADAR-KORBA	D/C	240	0	4.8	0.0	4.8
		1			ER-WR	93.4	0.1	93.4
		ER (With SR)						
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1580.0	0.0	20.2	-20.2
26	HVDC LINK	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	D/C D/C	0.0	430.0 1988.0	0.0	9.9 32.6	-9.9 -32.6
28	400 kV	TALCHER-I/C	D/C	266.0	982.0	0.0	5.5	-5.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	0.0	62.7	-62.7
	Export of	ER (With NER) BINAGURI-BONGAIGAON	D/C	0	626	0.0	9.2	-9
30	400 kV	ALIPURDUAR-BONGAIGAON	D/C D/C	345	76	4.0	0.0	-9
32	220 kV	ALIPURDUAR-SALAKATI	D/C	2	103	0.0	1.0	-1
			,		ER-NER	4.0	10.2	-6.2
		NER (With NR)			.			
33	HVDC	BISWANATH CHARIALI-AGRA	-	903	0 NER-NR	0.0	22.0	-22.0 -22.0
Import/F	Export of	WR (With NR)			NEK-NK	0.0	22.0	-22.0
34		CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	13.7	-13.7
35	HVDC	V'CHAL B/B	D/C	453	52	0.0	0.0	0.0
36		APL -MHG	D/C	0	1450	0.0	30.7	-30.7
37		GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C	0	2080 1046	0.0	38.0 19.5	-38.0 -19.5
39		JABALPUR-ORAI	D/C D/C	0	890	0.0	34.6	-34.6
40	765 kV	GWALIOR-ORAI	S/C	513	0	7.4	0.0	7.4
41]	SATNA-ORAI	S/C	0	1294	0.0	26.6	-26.6
42		CHITTORGARH-BANASKANTHA	D/C	20	682	0.0	5.8	5.8
43	1	ZERDA-KANKROLI ZERDA -BHINMAL	S/C S/C	82 136	69 123	0.7	0.1	0.6 -0.2
44	400 kV	V'CHAL -RIHAND	S/C S/C	963	0	21.4	0.7	21.4
46	1	RAPP-SHUJALPUR	D/C	0	289	0	2	-2
47		BHANPURA-RANPUR	S/C	29	54	0.1	0.3	-0.2
48	220 kV	BHANPURA-MORAK	S/C	0	106	0.0	1.6	-1.6
49 50	1	MEHGAON-AURAIYA MALANPUR-AURAIYA	S/C S/C	49 17	9 46	0.4	0.0	-0.3
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C S/C	0	0	0.0	0.4	-0.3
	1		1		WR-NR	30.6	174.0	-131.8
Import/E	HVDC	WR (With SR) BHADRAWATI B/B	_	0	1006	0.0	11.8	-11.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	785	1711	1.9	8.6	-6.7
55		WARDHA-NIZAMABAD	D/C	0	2098	0.0	26.9	-26.9
56	400 kV	KOLHAPUR-KUDGI	D/C	1028	0	13.6	0.0	13.6
57 58	220 kV	KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C S/C	0	60	0.0	0.0 1.2	0.0 -1.2
59	-20 8 7	XELDEM-AMBEWADI	S/C	0	34	0.0	0.0	0.7
	1		,	~	WR-SR	16.2	48.4	-32.3
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60		BHUTAN						42.9
61		NEPAL DEGL	1					-2.8
62	1	BANGLADESH						-23.1