

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुत्ब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, 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 23.03.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-मार्च-2020 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 23rd Mar 2020, 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: 24-Mar-2020

Present Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	33835	39571	39726	16528	2286	131946
Peak Shortage (MW)	468	0	0	0	88	556
Energy Met (MU)	724	996	1030	325	39	3113
Hydro Gen (MU)	145	33	76	32	5	291
Wind Gen (MU)	6	31	23	-	-	60
Solar Gen (MU)*	32.92	25.90	93.75	4.66	0.02	157
Energy Shortage (MU)	10.5	0.0	0.0	0.0	1.2	11.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	37285	46640	49943	16360	2280	145495
Time Of Maximum Demand Met (From NLDC SCADA)	19:32	11:27	11:59	19:24	18:15	11:22

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 0.027 0.00 0.00 4.12 4.12 79.24 16.64

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortag (MU)
	Punjab	3965	0	74.7	57.8	-1.7	126	0.0
	Haryana	4583	0	92.0	68.7	1.0	203	0.0
	Rajasthan	9610	0	171.9	51.7	2.9	691	0.0
	Delhi	2448	0	48.7	32.7	-2.4	60	0.0
NR	UP	14232	0	247.4	113.3	0.7	744	0.0
	Uttarakhand	1212	0	21.7	9.8	-1.6	30	0.0
	HP	1305	0	20.5	11.8	-1.9	178	0.0
	J&K(UT) & Ladakh(UT)	2240	560	44.7	37.3	-0.8	252	10.5
	Chandigarh	157	0	2.4	2.9	-0.5	3	0.0
	Chhattisgarh	3485	0	86.4	33.8	-1.3	183	0.0
	Gujarat	13513	0	291.0	66.6	5.3	608	0.0
	MP	9595	0	183.4	111.7	-1.4	438	0.0
WR	Maharashtra	19288	0	403.6	118.9	-0.4	608	0.0
	Goa	355	0	6.9	6.9	-0.1	36	0.0
	DD	277	0	5.2	4.9	0.3	38	0.0
	DNH	702	0	15.0	15.1	-0.1	54	0.0
	Essar steel	806	0	4.3	4.1	0.2	269	0.0
	Andhra Pradesh	9317	0	181.4	88.3	0.0	583	0.0
	Telangana	11204	0	224.9	127.7	-0.5	653	0.0
SR	Karnataka	12348	0	238.3	81.6	-0.7	418	0.0
	Kerala	3557	0	75.3	60.1	1.0	325	0.0
	Tamil Nadu	13642	0	302.6	190.5	0.8	379	0.0
	Puducherry	348	0	7.0	7.3	-0.4	43	0.0
	Bihar	3999	0	63.0	65.1	-3.6	356	0.0
	DVC	2742	0	53.3	-35.8	0.1	390	0.0
	Jharkhand	1266	0	23.2	14.0	0.1	136	0.0
ER	Odisha	4430	0	69.1	-1.9	0.2	268	0.0
	West Bengal	5798	0	114.7	34.8	-0.4	290	0.0
	Sikkim	113	0	1.4	1.7	-0.3	22	0.0
	Arunachal Pradesh	121	1	1.9	2.0	-0.2	24	0.0
	Assam	1296	41	21.5	17.4	0.3	110	1.0
	Manipur	189	1	2.7	2.5	0.2	14	0.0
NER	Meghalaya	378	0	5.8	4.0	0.4	68	0.1
	Mizoram	106	1	1.8	1.4	0.2	21	0.0
	Nagaland	128	1	2.1	1.9	0.1	6	0.0
	Tripura	229	0	3.5	2.5	-0.2	20	0.0

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

7			
	Bhutan	Nepal	Bangladesh
Actual (MU)	1.6	-8.3	-20.6
Day Peak (MW)	318.2	-509.0	-1084.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	130.4	-237.2	197.1	-94.3	3.9	-0.2
Actual(MU)	107.8	-239.2	215.0	-91.4	6.1	-1.8
O/D/U/D(MU)	-22.6	-2.0	18.0	2.9	2.2	-1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5530	17972	5552	715	790	30559
State Sector	18233	18730	9518	6050	11	52542
Total	23763	36702	15070	6765	802	83101

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	352	1049	480	420	10	2311
Lignite	18	14	43	0	0	75
Hydro	145	33	76	32	5	291
Nuclear	20	33	69	0	0	122
Gas, Naptha & Diesel	25	53	17	0	23	118
RES (Wind, Solar, Biomass & Others)	67	66	132	5	0	270
Total	626	1248	817	457	38	3187
Share of RES in total generation (%)	10.76	5.26	16.16	1.04	0.05	8.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total	37.03	10.57	33.89	8.07	12.75	21.42

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.048
Based on State Max Demands	1.093

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

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 24-Mar-2020

CI.				1			Date of Reporting:	
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (V		I		l.			I
1		ALIPURDUAR-AGRA	S/C	0	0	0.0	0.0	0.0
3		PUSAULI B/B GAYA-VARANASI	D/C	0	251 452	0.0	6.2 4.6	-6.2 -4.6
4	765 kV	SASARAM-FATEHPUR	S/C	122	187	0.0	1.1	-1.1
5		GAYA-BALIA PUSAULI-VARANASI	S/C S/C	0	346	0.0	5.5	-5.5
7		PUSAULI-VARANASI PUSAULI-ALLAHABAD	S/C	0	215 103	0.0	4.8 1.7	-4.8 -1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	4	443	0.0	5.6	-5.6
9 10		PATNA-BALIA BIHARSHARIFF-BALIA	O/C	0	529	0.0	8.8	-8.8
11		MOTIHARI-GORAKHPUR	D/C D/C	0	191 287	0.0	2.4 5.5	-2.4 -5.5
12	400 kV	BIHARSHARIFF-VARANASI	D/C	208	80	1.7	0.0	1.7
13		PUSAULI-SAHUPURI SONE NAGAR-RIHAND	S/C S/C	0	135	0.0	2.2 0.0	-2.2 0.0
14 15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0	0.0 48.3	0.0
Impo	rt/Export of ER (V	With WR)			ER-IVE	2.0	40.3	-46.3
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1411	0	26.6	0.0	26.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	748	129	6.0	0.0	6.0
3	765 kV	JHARSUGUDA-DURG	D/C	42	169	0.0	1.7	-1.7
4		JHARSUGUDA-RAIGARH	Q/C	66	186	0.0	1.4	-1.4
5		RANCHI-SIPAT	D/C	270	33	1.9	0.0	1.9
6		BUDHIPADAR-RAIGARH	S/C	1 1 70	108	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	D/C	159	0 ER-WR	2.7 37.2	0.0 4.3	2.7 32.8
Impo	rt/Export of ER (V	With SR)			ER-WK	31.4	4.3	34.8
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	691	0.0	16.3	-16.3
3		TALCHER-KOLAR BIPOLE	D/C D/C	0	2465 3303	0.0	46.0	-46.0
4		ANGUL-SRIKAKULAM TALCHER-I/C	D/C D/C	0 1084	3303 987	0.0	65.9 8.1	-65.9 -8.1
5		BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
Inco	rt/Export of ER (V	With NED)	`	·	ER-SR	0.0	128.2	-128.2
1mpo		BINAGURI-BONGAIGAON	D/C	220	55	1.7	0.0	1.7
2		ALIPURDUAR-BONGAIGAON	D/C	319	29	3.0	0.0	3.0
3	220 kV	ALIPURDUAR-SALAKATI	D/C	65	10 ER-NER	0.7	0.0	0.7
Impo	rt/Export of NER	(With NR)			ER-NER	5.4	0.0	5.4
1		BISWANATH CHARIALI-AGRA	-	485	0	11.4	0.0	11.4
T	4/E	MAL ND			NER-NR	11.4	0.0	11.4
1mpo	rt/Export of WR (HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	7.2	-7.2
2		V'CHAL B/B	D/C	450	0	12.1	0.0	12.1
3		APL -MHG	D/C	0	1077	0.0	26.7	-26.7
5		GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C	0	1995 1216	0.0	37.0 20.4	-37.0 -20.4
6		JABALPUR-ORAI	D/C	0	683	0.0	24.6	-24.6
7		GWALIOR-ORAI	S/C	634	0	10.6	0.0	10.6
9		SATNA-ORAI CHITORGARH-BANASKANTHA	S/C D/C	725	1268 0	0.0 6.4	26.4 0.0	-26.4 6.4
10		ZERDA-KANKROLI	S/C	198	Ö	3.3	0.0	3.3
11	400 kV	ZERDA -BHINMAL	S/C	230	10	2.7	0.0	2.7
12	400 kV 400 kV	V'CHAL -RIHAND RAPP-SHUJALPUR	S/C D/C	973 57	0 287	22.6 0.0	0.0 0.9	22.6 -0.9
14		BHANPURA-RANPUR	S/C	3	66	0.0	1.2	-1.2
15		BHANPURA-MORAK	S/C	0	112	0.0	1.6	-1.6
16 17		MEHGAON-AURAIYA MALANPUR-AURAIYA	S/C S/C	109 66	0 11	1.2 0.4	0.0	1.2 0.4
18		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
T	4/E	ura co			WR-NR	59.4	146.0	-86.5
Impor	rt/Export of WR (HVDC	With SR) BHADRAWATI B/B	-	0	1002	0.0	23.1	-23.1
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2760	0.0	46.4	-46.4
5		WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C	0 714	3424 0	0.0 8.2	66.6 0.0	-66.6 8.2
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	S/C	0	58	0.0	1.1	-1.1
8	220 KV	ALLDEM-AMBEWADI	S/C	U	66 WR-SR	9.4	0.0 137.2	-1.2 -127.9
			INTER	RNATIONAL EXCHA				
	State	Region		Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange
<u> </u>	State	Region	Line	. ann	1714X (171 VV)	IVIIII (IVI VV.)	AVg (MIVV)	(MU)
		ER	DAGACHU (2 * 63)	0	0	0	0.0
			CHUIVA / 4 * 04 > P	IDDADA DECEME				6.0
		ER		IRPARA RECEIPT	0	0	-35	-0.8
	BHUTAN	ER	MANGDECHHU (4 ALIPURDUAR RE		115	104	103	2.5
		ER		NAGURI RECEIPT	70	0	29	0.7
		NER	132KV-SALAKATI	- GELEPHU	16	0	-22	-0.5
		NER	132KV-RANGIA - I		34	0	-10	-0.3
		NR	132KV-Tanakpur(N	IH) -	0	0	0	-1.1
	NEPAL	ER	Mahendranagar(PG 132KV-BIHAR - NI					
	.unan		220KV-MUZAFFA		-170	-20	-53	-1.3
		ER	DHALKEBAR DC		-280	-216	-249	-6.0
		ER	Bheramara HVDC(= '	-956	-406	-746	-17.9
BA	ANGLADESH	NER	COMILLA(BANGI 132KV-SURAJMAN	ADESH)-1	64	0	-56	-1.4
1		NER			64	0	-56	-1.4
			COMILLA(BANGLADESH)-2				š	