



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: 26<sup>th</sup> Mar 2020

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 25.03.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-मार्च-2020 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 25<sup>th</sup> Mar 2020, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting 26-Mar-20

A. Power 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)	29426	30556	34405	16617	2059	113063
Peak Shortage (MW)	502	0	0	0	18	520
Energy Met (MU)	665	844	911	320	36	2777
Hydro Gen (MU)	144	29	63	32	4	272
Wind Gen (MU)	10	43	35	-	-	88
Solar Gen (MU)*	28.28	18.10	96.57	4.65	0.04	148
Energy Shortage (MU)	10.6	0.0	0.0	0.0	0.3	11
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	33345	41100	43042	16519	2206	127968
	43916	43915	43915	43916	43916	43915

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	0.042	0.00	0.00	2.81	2.81	67.91	29.28

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	3377	0	63.1	44.6	-1.3	111	0.0
	Haryana	4155	0	76.7	65.9	1.3	316	0.0
	Rajasthan	9439	0	161.2	44.8	-1.0	329	0.0
	Delhi	2419	0	46.1	35.4	-1.1	200	0.0
	UP	13813	75	239.9	108.6	1.1	754	0.0
	Uttarakhand	1066	0	18.2	6.8	-3.3	79	0.0
	HP	927	0	12.8	4.6	-3.4	118	0.0
	J&K(UT) and Ladakh(UT)	2181	545	44.6	36.6	-0.4	212	10.6
	Chandigarh	149	0	2.3	2.7	-0.4	21	0.0
WR	Chhattisgarh	3222	0	75.2	25.7	-0.8	180	0.0
	Gujarat	10970	0	238.2	48.5	5.3	523	0.0
	MP	9001	0	160.0	93.7	-3.1	676	0.0
	Maharashtra	17559	0	357.9	117.6	-1.2	849	0.0
	Goa	328	0	6.2	6.8	-0.6	36	0.0
	DD	101	0	1.7	1.6	0.1	22	0.0
	DNH	266	0	3.2	3.4	-0.2	71	0.0
	Essar steel	329	0	1.8	1.3	0.5	149	0.0
	Andhra Pradesh	8220	0	162.1	71.4	-1.2	393	0.0
SR	Telangana	10478	0	207.4	111.2	1.0	956	0.0
	Karnataka	10893	0	214.9	68.6	-0.3	678	0.0
	Kerala	3362	0	66.7	54.3	1.1	225	0.0
	Tamil Nadu	11144	0	256.3	171.2	-0.4	661	0.0
	Puducherry	209	0	4.2	5.1	-0.9	61	0.0
	Bihar	3975	0	72.7	69.7	1.4	368	0.0
ER	DVC	1762	0	34.9	-26.8	0.5	385	0.0
	Jharkhand	1275	0	24.2	15.6	-0.2	119	0.0
	Odisha	4007	0	79.1	8.1	0.1	257	0.0
	West Bengal	5799	0	107.8	27.5	1.8	391	0.0
	Sikkim	103	0	1.4	1.6	-0.2	41	0.0
	NER	Arunachal Pradesh	108	3	2.1	1.2	0.8	46
Assam		1226	10	19.5	16.1	0.1	109	0.2
Manipur		177	1	2.3	2.4	-0.1	29	0.0
Meghalaya		297	2	5.0	4.0	0.2	64	0.1
Mizoram		89	1	1.5	1.4	-0.3	18	0.0
Nagaland		117	2	2.1	2.0	0.0	18	0.0
Tripura		232	5	3.5	2.8	0.2	57	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-1.8	-20.6
Day peak (MW)	375.8	-145.0	-1088.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	106.4	-211.9	154.2	-53.2	4.9	0.4
Actual(MU)	73.3	-204.4	160.0	-39.8	7.6	-3.3
O/D/U/D(MU)	-33.1	7.5	5.8	13.4	2.7	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5909	22062	5502	1315	977	35764
State Sector	18233	20762	12058	8470	11	59534
Total	24142	42824	17560	9785	988	95298

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	334	843	411	351	7	1945
Lignite	18	13	45	0	0	76
Hydro	144	29	63	32	4	272
Nuclear	19	33	69	0	0	121
Gas, Naptha & Diesel	27	63	20	0	22	132
RES (Wind, Solar, Biomass & Others)	63	70	142	5	0	280
Total	605	1052	750	387	33	2827

Share of RES in total generation (%)	10.44	6.63	18.99	1.23	0.12	9.91
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.38	12.56	36.60	9.39	12.88	23.82

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.064
Based on State Max Demands	1.116

Diversity factor = Sum of regional or state-wise 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

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 26-Mar-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	124	146	0.0	0.4	-0.4	
4	765 kV	SASARAM-FATEHPUR	S/C	199	8	1.9	0.0	1.9	
5	765 kV	GAYA-BALIA	S/C	0	243	0.0	4.2	-4.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	246	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	82	0.0	1.0	-1.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	203	372	0.0	2.4	-2.4	
9	400 kV	PATNA-BALIA	Q/C	0	509	0.0	7.3	-7.3	
10	400 kV	BIHARSHARIFF-BALIA	D/C	12	179	0.0	1.7	-1.7	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	202	0.0	3.9	-3.9	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	258	6	3.5	0.0	3.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	145	0.0	2.3	-2.3	
14	132 kV	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	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	5.8	34.2	-28.4
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1546	0	29.8	0.0	29.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1215	88	10.4	0.0	10.4	
3	765 kV	JHARSUGUDA-DURG	D/C	189	73	0.4	0.0	0.4	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	209	57	0.9	0.0	0.9	
5	400 kV	RANCHI-SIPAT	D/C	430	0	4.0	0.0	4.0	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	109	0.0	1.9	-1.9	
7	220 kV	BUDHIPADAR-KORBA	D/C	145	0	2.2	0.0	2.2	
						ER-WR	47.8	1.9	45.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	690	0.0	16.0	-16.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1984	0.0	33.2	-33.2	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2825	0.0	51.1	-51.1	
4	400 kV	TALCHER-I/C	D/C	733	989	0.0	0.3	-0.3	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	100.2	-100.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	174	80	1.3	0.0	1.3	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	263	78	2.0	0.0	2.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	60	18	0.5	0.0	0.5	
						ER-NER	3.7	0.0	3.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	486	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	4.2	-4.2	
2	HVDC	V'CHAL B/B	D/C	448	0	12.1	0.0	12.1	
3	HVDC	APL -MHG	D/C	0	1077	0.0	26.7	-26.7	
4	765 kV	GWALIOR-AGRA	D/C	0	2086	0.0	32.8	-32.8	
5	765 kV	PHAGI-GWALIOR	D/C	0	831	0.0	11.5	-11.5	
6	765 kV	JABALPUR-ORAI	D/C	0	648	0.0	18.5	-18.5	
7	765 kV	GWALIOR-ORAI	S/C	502	0	8.2	0.0	8.2	
8	765 kV	SATNA-ORAI	S/C	0	1177	0.0	23.4	-23.4	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	551	0	5.1	0.0	5.1	
10	400 kV	ZERDA-KANKROLI	S/C	210	0	3.3	0.0	3.3	
11	400 kV	ZERDA -BHINMAL	S/C	293	86	2.5	0.0	2.5	
12	400 kV	V'CHAL -RIHAND	S/C	980	0	21.7	0.0	21.7	
13	400 kV	RAPP-SHUJALPUR	D/C	173	213	0.0	0.3	-0.3	
14	220 kV	BHANPURA-RANPUR	S/C	24	52	0.0	1.0	-1.0	
15	220 kV	BHANPURA-MORAK	S/C	0	97	0.0	1.4	-1.4	
16	220 kV	MEHGAON-AURAIYA	S/C	106	7	1.4	0.0	1.4	
17	220 kV	MALANPUR-AURAIYA	S/C	68	33	0.5	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	54.8	119.7	-64.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	999	0.0	18.0	-18.0	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHER	D/C	0	2334	0.0	35.2	-35.2	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	3012	0.0	49.4	-49.4	
5	400 kV	KOLHAPUR-KUDGI	D/C	785	0	8.7	0.0	8.7	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	64	0.0	1.0	-1.0	
8	220 kV	XELDEM-AMBEWADI	S/C	0	60	1.1	0.0	1.1	
						WR-SR	9.8	103.6	-93.8

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU ( 2 * 63 )	0	0	0	0.0
	ER	CHUKA ( 4 * 84 ) BIRPARA RECEIPT	0	0	-39	-0.9
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	124	123	115	2.8
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	121	41	69	1.7
	NER	132KV-SALAKATI - GELEPHU	18	0	-10	-0.2
	NER	132KV-RANGIA - DEOTHANG	11	0	-3	-0.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	110	37	105	2.5
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-255	-75	-179	-4.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-954	-408	-745	-17.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	67	0	-56	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	67	0	-56	-1.4