



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: 12th May 2020

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., डोंगतिह, 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 11.05.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 11-मई-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 11th May 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: 12-May-2020

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)	38373	40647	36314	18684	2566	136584
Peak Shortage (MW)	495	0	0	0	54	549
Energy Met (MU)	803	980	907	331	44	3065
Hydro Gen (MU)	245	38	79	66	5	432
Wind Gen (MU)	22	59	28	-	-	108
Solar Gen (MU)*	36.55	27.70	86.19	4.90	0.03	155
Energy Shortage (MU)	9.5	0.0	0.0	0.0	1.3	10.8
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	40693	45209	42223	18697	2561	143192
Time Of Maximum Demand Met (From NLDC SCADA)	21:44	14:57	14:51	21:26	19:16	22:21

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	0.031	0.00	0.00	3.30	3.30	72.35	24.35

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	5477	0	116.2	88.3	-1.0	112	0.0
	Haryana	5589	0	110.5	107.7	0.8	283	0.0
	Rajasthan	9989	0	204.7	76.2	0.1	406	0.0
	Delhi	3558	0	67.7	52.7	-1.9	0	0.0
	UP	14496	0	217.0	126.7	-4.1	791	0.0
	Uttarakhand	1177	0	23.5	7.3	0.0	125	0.0
	HP	1070	0	20.1	-0.3	0.5	116	0.0
	J&K(UT) & Ladakh(UT)	1996	499	40.4	23.2	-1.1	170	9.5
	Chandigarh	156	0	3.2	3.4	-0.3	14	0.0
	Chhattisgarh	3284	0	72.9	16.2	0.6	212	0.0
WR	Gujarat	14064	0	305.2	82.0	4.3	933	0.0
	MP	8718	0	173.9	86.6	-1.6	328	0.0
	Maharashtra	18559	0	392.5	162.1	0.9	609	0.0
	Goa	497	0	10.6	10.2	-0.2	55	0.0
	DD	188	0	4.0	3.8	0.2	52	0.0
	DNH	351	0	7.8	7.8	0.0	30	0.0
	AMNSIL	606	0	12.8	3.0	1.0	231	0.0
SR	Andhra Pradesh	9100	0	180.6	109.6	-0.8	458	0.0
	Telangana	6626	0	142.8	52.9	-1.3	406	0.0
	Karnataka	10048	0	199.4	58.2	0.9	581	0.0
	Kerala	3455	0	72.5	49.0	1.0	241	0.0
	Tamil Nadu	13387	0	303.8	189.9	0.6	468	0.0
	Puducherry	372	0	7.7	7.8	-0.1	23	0.0
	DVC	4634	0	68.2	71.3	-3.7	714	0.0
ER	DVC	2246	0	44.5	-25.4	1.2	335	0.0
	Jharkhand	1226	0	20.3	17.0	-1.2	133	0.0
	Odisha	3830	0	76.9	4.8	0.6	351	0.0
	West Bengal	7237	0	120.0	39.8	2.5	521	0.0
	Sikkim	103	0	1.3	1.4	-0.1	26	0.0
NER	Arunachal Pradesh	101	2	1.9	1.3	0.4	29	0.0
	Assam	1562	45	27.1	22.2	0.0	108	1.1
	Manipur	174	1	2.4	2.2	0.1	21	0.0
	Meghalaya	295	0	4.7	3.0	-0.1	57	0.1
	Mizoram	93	2	1.7	1.3	0.3	21	0.0
	Nagaland	116	2	2.3	2.1	0.1	29	0.0
	Tripura	290	0	4.2	5.1	-0.5	58	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.6	-1.1	-21.0
Day Peak (MW)	911.4	-197.0	-1131.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.1	-275.2	168.6	-86.3	2.7	-0.1
Actual(MU)	147.0	-268.8	197.0	-79.2	5.2	1.2
O/D/U/D(MU)	-43.1	6.4	28.4	7.1	2.5	1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6895	16803	8692	2126	399	34914
State Sector	21535	22815	10948	6882	11	62191
Total	28430	39617	19640	9008	410	97105

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	266	991	406	370	10	2042
Lignite	22	15	35	0	0	73
Hydro	245	38	79	66	5	432
Nuclear	22	33	51	0	0	106
Gas, Naptha & Diesel	28	74	20	0	30	152
RES (Wind, Solar, Biomass & Others)	85	102	132	5	0	324
Total	669	1252	722	441	45	3129
Share of RES in total generation (%)	12.69	8.14	18.24	1.12	0.07	10.34
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	52.65	13.77	36.12	16.07	10.95	27.52

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.043
Based on State Max Demands	1.080

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

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

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

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

Date of Reporting: 12-May-2020

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	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	5.7	-5.7	
3	765 kV	GAYA-VARANASI	D/C	0	578	0.0	5.7	-5.7	
4	765 kV	SASARAM-FATEHPUR	S/C	87	255	0.0	2.0	-2.0	
5	765 kV	GAYABALLIA	S/C	0	415	0.0	6.1	-6.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	221	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	129	0.0	1.7	-1.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	27	550	0.0	6.2	-6.2	
9	400 kV	PATNA-BALLIA	Q/C	0	536	0.0	7.5	-7.5	
10	400 kV	BIHARSHARIFF-BALLIA	D/C	0	264	0.0	3.1	-3.1	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	237	0.0	3.5	-3.5	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	140	144	0.0	0.1	-0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	2	118	0.0	0.0	0.0	
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-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.4	45.6	-45.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1624	0	29.5	0.0	29.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	708	8	9.0	0.0	9.0	
3	765 kV	JHARSUGUDA-DURG	D/C	140	139	0.0	0.0	0.0	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	225	17	2.2	0.0	2.2	
5	400 kV	RANCHI-SIPAT	D/C	400	0	5.2	0.0	5.2	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	10	66	0.0	0.8	-0.8	
7	220 kV	BUDHIPADAR-KORBA	D/C	213	0	3.9	0.0	3.9	
						ER-WR	49.8	0.8	49.0
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	383	0.0	8.6	-8.6	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2472	0.0	52.5	-52.5	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3431	0.0	67.2	-67.2	
4	400 kV	TALCHER-I/C	D/C	0	1472	0.0	19.2	-19.2	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	128.3	-128.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	240	31	3.1	0.0	3.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	284	44	3.1	0.0	3.1	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	52	15	0.5	0.0	0.5	
						ER-NER	6.6	0.0	6.6
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	465	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	12.2	-12.2	
2	HVDC	V'CHAL B/B	D/C	659	0	7.9	0.0	7.9	
3	HVDC	APL -MHG	D/C	0	1171	0.0	23.8	-23.8	
4	765 kV	GWALIOR-AGRA	D/C	0	2340	0.0	42.2	-42.2	
5	765 kV	PHAGI-GWALIOR	D/C	0	1495	0.0	27.9	-27.9	
6	765 kV	JABALPUR-ORAI	D/C	0	787	0.0	26.7	-26.7	
7	765 kV	GWALIOR-ORAI	S/C	546	0	11.0	0.0	11.0	
8	765 kV	SAINA-ORAI	S/C	0	1436	0.0	29.8	-29.8	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	247	871	0.0	3.4	-3.4	
10	400 kV	ZERDA-KANKROLI	S/C	190	43	2.2	0.0	2.2	
11	400 kV	ZERDA -BHINMAL	S/C	350	59	3.0	0.0	3.0	
12	400 kV	V'CHAL -RIHAND	S/C	964	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUALPUR	D/C	242	178	0.8	0.0	0.8	
14	220 kV	BHANPURA-RANPUR	S/C	64	20	0.6	0.7	-0.1	
15	220 kV	BHANPURA-MORAK	S/C	15	72	0.0	0.4	-0.4	
16	220 kV	MEHGAON-AURAIYA	S/C	76	0	0.1	0.0	0.1	
17	220 kV	MALANPUR-AURAIYA	S/C	62	22	0.4	0.0	0.4	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	48.4	167.0	-118.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.6	-23.6	
2	HVDC	BARSOUL-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2070	0.0	33.9	-33.9	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2565	0.0	46.4	-46.4	
5	400 kV	KOLHAPUR-KUDGI	D/C	365	0	1.7	1.5	0.2	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	76	0.0	1.4	-1.4	
8	220 kV	XELDEM-AMBEWADI	S/C	0	92	1.9	0.0	1.9	
						WR-SR	3.6	106.8	-103.3

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	66	49	43	1.0
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	315	314	246	5.9
	ER	TALA (6 * 170) BINAGURI RECEIPT	375	322	249	6.0
	NER	132KV-SALAKATI - GELEPHU	14	0	-5	-0.1
	NER	132KV-RANGIA - DEOTHANG	0	0	20	0.5
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-61	-1	-25	-0.6
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-136	-2	-22	-0.5
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-958	-418	-725	-17.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	86	0	-75	-1.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	87	0	-75	-1.8