



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: 09th Apr 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 08.04.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 08-अप्रैल-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 08th Apr 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: 09-Apr-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 1900 hrs; from RLDCs)	34583	32647	32373	15197	2099	116899
Peak Shortage (MW)	534	0	0	0	59	593
Energy Met (MU)	665	872	815	329	36	2717
Hydro Gen (MU)	146	36	72	43	3	300
Wind Gen (MU)	14	52	27	-	-	92
Solar Gen (MU)*	44.27	28.70	88.76	4.65	0.03	166
Energy Shortage (MU)	10.2	0.0	0.0	0.0	1.2	11.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	35163	39431	39412	15356	2184	119829
Time Of Maximum Demand Met (From NLDC SCADA)	19:37	07:19	14:38	00:06	18:32	09:29

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	0.032	0.00	0.07	5.67	5.74	77.85	16.41

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	3670	0	72.4	56.8	-1.5	84	0.0
	Haryana	3926	0	70.3	67.8	0.1	275	0.0
	Rajasthan	7941	0	150.1	56.4	-0.3	641	0.0
	Delhi	2193	0	46.1	37.3	-2.5	104	0.0
	UP	14601	0	248.0	107.0	0.0	971	0.0
	Uttarakhand	1080	0	19.5	5.5	0.4	99	0.0
	HP	857	0	13.3	1.3	-0.7	80	0.0
	J&K(UT) & Ladakh(UT)	2137	534	42.9	32.0	-0.2	176	10.2
	Chandigarh	125	0	2.3	2.4	-0.2	10	0.0
	Chhattisgarh	3070	0	72.4	23.8	-1.4	168	0.0
WR	Gujarat	10784	0	241.1	76.7	3.4	589	0.0
	MP	8771	0	168.2	98.9	-0.7	378	0.0
	Maharashtra	17285	0	378.2	174.3	0.2	2002	0.0
	Goa	353	0	7.2	7.3	-0.1	38	0.0
	DD	76	0	1.7	1.7	0.0	23	0.0
	DNH	87	0	2.0	1.9	0.1	228	0.0
	Essar steel	181	0	0.7	0.8	-0.1	119	0.0
SR	Andhra Pradesh	8095	0	155.6	89.5	0.3	677	0.0
	Telangana	8358	0	165.4	71.0	1.5	593	0.0
	Karnataka	9461	0	187.8	56.1	-0.3	518	0.0
	Kerala	3270	0	63.8	48.4	0.8	179	0.0
	Tamil Nadu	10518	0	237.5	170.4	0.2	474	0.0
	Puducherry	246	0	4.7	4.8	-0.1	52	0.0
ER	Bihar	4368	0	79.1	78.4	-0.5	220	0.0
	DVC	1460	0	28.2	-26.2	0.6	250	0.0
	Jharkhand	1010	0	20.5	12.4	-0.7	150	0.0
	Odisha	2859	0	63.8	3.2	0.2	200	0.0
	West Bengal	6736	0	136.4	39.5	0.0	250	0.0
NER	Sikkim	87	0	1.2	1.5	-0.3	5	0.0
	Arunachal Pradesh	100	1	2.1	1.4	0.7	21	0.0
	Assam	1292	22	20.1	17.3	-0.1	103	1.0
	Manipur	180	1	2.2	2.1	0.1	43	0.0
	Meghalaya	243	0	3.6	3.3	-0.2	28	0.1
	Mizoram	78	2	1.6	1.3	0.0	16	0.0
	Nagaland	122	1	2.1	2.0	0.0	24	0.0
	Tripura	243	0	4.5	3.6	0.1	36	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	6.0	-3.6	-15.0
Day Peak (MW)	546.4	-276.9	-1087.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	111.1	-186.6	145.1	-66.6	-2.9	-0.1
Actual(MU)	103.3	-189.5	157.3	-69.5	-2.4	-0.7
O/D/U/D(MU)	-7.7	-2.9	12.2	-2.9	0.6	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6522	21366	7872	1975	399	38133
State Sector	21968	27645	14615	8260	11	72499
Total	28490	49011	22487	10235	410	110633

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	286	818	342	383	10	1838
Lignite	17	12	49	0	0	78
Hydro	146	36	72	43	3	300
Nuclear	28	36	52	0	0	115
Gas, Naptha & Diesel	21	76	20	0	29	146
RES (Wind, Solar, Biomass & Others)	86	91	121	5	0	303
Total	583	1068	657	431	43	2781
Share of RES in total generation (%)	14.72	8.52	18.46	1.10	0.07	10.89
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.42	15.21	37.36	11.15	7.86	25.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.098
Based on State Max Demands	1.134

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: 09-Apr-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	116	251	0.0	5.3	-5.3	
3	765 kV	GAYA-VARANASI	D/C	116	537	0.0	4.9	-4.9	
4	765 kV	SASARAM-FATEHPUR	S/C	169	172	0.4	0.0	0.4	
5	765 kV	GAYABALLA	S/C	0	348	0.0	4.2	-4.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	233	0.0	4.6	-4.6	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	114	0.0	1.1	-1.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	123	515	0.0	5.5	-5.5	
9	400 kV	PATNA-BALLA	Q/C	6	637	0.0	8.3	-8.3	
10	400 kV	BIHARSHARIFF-BALLA	D/C	28	321	0.0	3.9	-3.9	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	221	0.0	3.8	-3.8	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	215	204	0.5	0.0	0.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	177	0.0	3.0	-3.0	
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	0.5	0.0	0.5	
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	1.4	44.5	-43.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1237	0	18.7	0.0	18.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	623	501	2.4	0.0	2.4	
3	765 kV	JHARSUGUDA-DURG	D/C	0	220	0.0	2.5	-2.5	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	328	0.0	4.0	-4.0	
5	400 kV	RANCHI-SIPAT	D/C	221	189	1.1	0.0	1.1	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	129	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	D/C	116	7	1.3	0.0	1.3	
						ER-WR	23.5	8.7	14.8
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	515	0.0	8.9	-8.9	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1504	0.0	33.1	-33.1	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2816	0.0	57.9	-57.9	
4	400 kV	TALCHER-I/C	D/C	922	499	7.4	0.0	7.4	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	100.0	-100.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	373	36	5.4	0.0	5.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	389	39	6.0	0.0	6.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	93	0	1.4	0.0	1.4	
						ER-NER	12.8	0.0	12.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	462	1	10.9	0.0	10.9	
						NER-NR	10.9	0.0	10.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	227	0.0	10.7	-10.7	
2	HVDC	V'CHAL B/B	D/C	449	1	12.1	0.0	12.1	
3	HVDC	APL -MHG	D/C	0	692	0.0	17.0	-17.0	
4	765 kV	GWALIOR-AGRA	D/C	0	1899	0.0	34.4	-34.4	
5	765 kV	PHAGI-GWALIOR	D/C	0	1121	0.0	18.8	-18.8	
6	765 kV	JABALPUR-ORAI	D/C	0	607	0.0	19.5	-19.5	
7	765 kV	GWALIOR-ORAI	S/C	606	0	9.9	0.0	9.9	
8	765 kV	SAINA-ORAI	S/C	0	1169	0.0	24.2	-24.2	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	413	426	0.0	1.1	-1.1	
10	400 kV	ZERDA-KANKROLI	S/C	190	30	1.9	0.0	1.9	
11	400 kV	ZERDA -BHINMAL	S/C	335	72	2.8	0.0	2.8	
12	400 kV	V'CHAL -RIHAND	S/C	972	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	D/C	279	167	0.3	0.0	0.3	
14	220 kV	BHANPURA-RANPUR	S/C	54	41	0.0	0.5	-0.5	
15	220 kV	BHANPURA-MORAK	S/C	0	56	0.0	0.9	-0.9	
16	220 kV	MEHGAON-AURAIYA	S/C	101	0	1.1	0.0	1.1	
17	220 kV	MALANPUR-AURAIYA	S/C	72	0	0.6	0.0	0.6	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	51.0	127.0	-76.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	21.5	-21.5	
2	HVDC	BARSUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2331	0.0	31.5	-31.5	
4	765 kV	WARDHA-NZAMABAD	D/C	0	2405	0.0	41.7	-41.7	
5	400 kV	KOLHAPUR-KUDGI	D/C	231	445	0.7	4.0	-3.2	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	61	0.0	1.2	-1.2	
8	220 kV	XELDEM-AMBEWADI	S/C	1	58	1.1	0.0	1.1	
						WR-SR	1.8	99.9	-98.1

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	27	0	-23	-0.6
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	257	153	184	4.4
	ER	TALA (6 * 170) BINAGURI RECEIPT	124	35	99	2.4
	NER	132KV-SALAKATI - GELEPHU	16	0	-13	-0.3
	NER	132KV-RANGIA - DEOTHANG	3	0	4	0.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.6
	ER	132KV-BIHAR - NEPAL	38	9	-25	-0.6
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	204	54	-98	-2.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-956	-266	-521	-12.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	66	0	-53	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	65	0	-53	-1.3