



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: 27th 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 26.04.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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: 27-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 2000 hrs; from RLDCs)	31666	35783	31019	14154	2004	114626
Peak Shortage (MW)	541	0	0	0	63	604
Energy Met (MU)	709	943	782	275	33	2742
Hydro Gen (MU)	198	50	57	50	9	363
Wind Gen (MU)	8	60	31	-	-	99
Solar Gen (MU)*	39.68	26.20	89.82	4.57	0.04	160
Energy Shortage (MU)	9.9	0.1	0.0	0.0	1.9	11.9
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	36003	41283	34992	14457	2031	123654
Time Of Maximum Demand Met (From NLDC SCADA)	00:01	06:39	09:52	18:58	18:56	00:00

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	0.040	0.00	0.02	3.46	3.48	65.30	31.22

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	4534	0	87.5	66.1	-1.4	110	0.0
	Haryana	5280	0	87.9	75.3	-2.3	248	0.0
	Rajasthan	8269	0	164.0	59.5	-0.2	472	0.0
	Delhi	3072	0	57.8	48.6	-2.6	0	0.0
	UP	13209	0	235.1	111.3	-3.8	402	0.0
	Uttarakhand	968	0	19.2	6.0	-2.9	71	0.0
	HP	785	0	13.6	-1.4	-2.3	49	0.0
	J&K(UT) & Ladakh(UT)	2190	548	41.8	26.9	-1.1	128	9.9
WR	Chandigarh	137	0	2.7	3.0	-0.3	7	0.0
	Chhattisgarh	2946	0	67.7	14.4	-2.1	189	0.0
	Gujarat	12557	0	277.2	75.8	3.8	667	0.0
	MP	8528	0	175.7	93.5	-2.9	434	0.0
	Maharashtra	17969	0	404.6	172.3	-1.0	353	0.0
	Goa	417	0	8.7	8.5	-0.1	39	0.1
	DD	122	0	2.8	2.7	0.1	370	0.0
	DNH	181	0	4.0	4.0	0.0	326	0.0
SR	AMNSIL	335	0	1.8	1.4	0.4	161	0.0
	Andhra Pradesh	7579	0	148.6	80.5	-0.3	339	0.0
	Telangana	6576	0	140.0	58.6	0.0	362	0.0
	Karnataka	10240	0	196.3	58.3	0.8	623	0.0
	Kerala	2996	0	63.9	46.4	0.7	184	0.0
	Tamil Nadu	10030	0	228.7	172.3	-2.1	515	0.0
ER	Puducherry	253	0	4.5	5.5	-1.0	42	0.0
	Bihar	3949	0	67.3	69.4	-2.6	323	0.0
	DVC	1509	0	28.8	-17.6	-0.7	277	0.0
	Jharkhand	1224	0	20.4	13.6	-1.5	132	0.0
	Odisha	2944	0	59.5	-12.5	0.8	236	0.0
NER	West Bengal	5153	0	98.4	33.0	0.5	420	0.0
	Sikkim	88	0	1.1	1.2	-0.2	22	0.0
	Arunachal Pradesh	110	1	1.4	1.2	0.2	18	0.0
	Assam	1201	48	19.1	15.5	0.5	108	1.7
	Manipur	157	1	1.9	2.2	-0.4	22	0.0
	Meghalaya	251	0	4.3	2.4	-0.2	27	0.1
	Mizoram	98	1	1.5	1.3	0.1	10	0.0
Nagaland	121	1	2.0	1.9	0.0	14	0.0	
Tripura	194	3	2.8	2.1	-0.7	27	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	8.0	-0.6	-9.3
Day Peak (MW)	653.5	-137.8	-449.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	114.7	-163.2	152.2	-99.1	-4.7	-0.1
Actual(MU)	90.9	-144.6	152.0	-97.3	-5.6	-4.6
O/D/U/D(MU)	-23.8	18.5	-0.2	1.8	-0.9	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7161	21476	8732	2230	712	40311
State Sector	21088	24658	14068	8432	11	68257
Total	28249	46133	22800	10662	723	108568

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	297	839	332	337	7	1812
Lignite	18	13	38	0	0	70
Hydro	198	50	57	50	9	363
Nuclear	28	37	51	0	0	115
Gas, Naptha & Diesel	23	63	20	0	26	132
RES (Wind, Solar, Biomass & Others)	77	101	137	5	0	320
Total	642	1102	636	392	41	2813

Share of RES in total generation (%)	12.06	9.13	21.61	1.18	0.10	11.38
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.26	16.95	38.59	13.97	20.84	28.40

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
Based on State Max Demands	1.101

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: 27-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	0	249	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	D/C	184	703	0.0	5.1	-5.1	
4	765 kV	SASARAM-FATEHPUR	S/C	267	278	0.2	0.0	0.2	
5	765 kV	GAYA-BALIA	S/C	31	400	0.0	4.0	-4.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	224	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	180	0.0	2.1	-2.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	95	911	0.0	8.6	-8.6	
9	400 kV	PATNA-BALIA	Q/C	0	825	0.0	9.8	-9.8	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	423	0.0	3.9	-3.9	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	227	0.0	3.3	-3.3	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	216	316	0.0	0.6	-0.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	176	0.0	2.8	-2.8	
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	0.5	50.2	-49.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1296	532	7.0	0.0	7.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	432	354	0.0	0.6	-0.6	
3	765 kV	JHARSUGUDA-DURG	D/C	0	380	0.0	5.0	-5.0	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	129	322	0.0	3.4	-3.4	
5	400 kV	RANCHI-SIPAT	D/C	292	199	0.7	0.0	0.7	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	160	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	D/C	176	2	2.1	0.0	2.1	
						ER-WR	9.7	11.3	-1.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	645	0.0	8.8	-8.8	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1980	0.0	39.2	-39.2	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	19123	0.0	55.4	-55.4	
4	400 kV	TALCHER-I/C	D/C	258	616	0.0	5.5	-5.5	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	103.3	-103.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	476	0	6.6	0.0	6.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	643	0	9.0	0.0	9.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	132	0	1.7	0.0	1.7	
						ER-NER	17.3	0.0	17.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	488	0	11.6	0.0	11.6	
						NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	14.0	-14.0	
2	HVDC	V'CHAL B/B	D/C	446	0	12.1	0.0	12.1	
3	HVDC	APL -MHG	D/C	0	1126	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	101	2394	0.0	27.6	-27.6	
5	765 kV	PHAGI-GWALIOR	D/C	163	1034	0.0	12.2	-12.2	
6	765 kV	JABALPUR-ORAI	D/C	203	837	0.0	15.7	-15.7	
7	765 kV	GWALIOR-ORAI	S/C	528	0	9.1	0.0	9.1	
8	765 kV	SATNA-ORAI	S/C	0	1130	0.0	20.3	-20.3	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	777	568	5.5	3.1	2.3	
10	400 kV	ZERDA-KANKROLI	S/C	273	26	2.7	0.0	2.7	
11	400 kV	ZERDA -BHINMAL	S/C	325	86	3.0	0.0	3.0	
12	400 kV	V'CHAL -RIHAND	S/C	961	0	22.0	0.0	22.0	
13	400 kV	RAPP-SHUJALPUR	D/C	462	171	2.9	1.0	1.9	
14	220 kV	BHANPURA-RANPUR	S/C	35	54	0.0	0.7	-0.6	
15	220 kV	BHANPURA-MORAK	S/C	0	65	0.0	1.1	-1.1	
16	220 kV	MEHGAON-AURAIYA	S/C	107	4	1.3	0.0	1.3	
17	220 kV	MALANPUR-AURAIYA	S/C	76	10	0.8	0.0	0.8	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	59.3	119.9	-60.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	982	0.0	17.5	-17.5	
2	HVDC	BARSUR-LSILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	90	2388	0.0	28.0	-27.9	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2381	0.0	40.8	-40.8	
5	400 kV	KOLHAPUR-KUDGI	D/C	88	332	2.7	0.0	2.7	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	66	0.0	1.3	-1.3	
8	220 kV	XELDEM-AMBEWADI	S/C	0	59	1.1	0.0	1.1	
						WR-SR	3.8	87.5	-83.7

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	47	21	6	0.1
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	271	226	187	4.5
	ER	TALA (6 * 170) BINAGURI RECEIPT	179	134	148	3.6
	NER	132KV-SALAKATI - GELEPHU	16	0	-10	-0.2
	NER	132KV-RANGIA - DEOTHANG	2	0	4	0.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-38	-1	-5	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-100	-2	-18	-0.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-356	-256	-317	-7.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	47	0	-35	-0.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	46	0	-35	-0.8