



**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: 07<sup>th</sup> 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 06.04.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<sup>th</sup> 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: 07-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)	34633	33211	32884	16450	2196	119374
Peak Shortage (MW)	509	0	0	0	28	537
Energy Met (MU)	662	869	860	331	35	2757
Hydro Gen (MU)	145	35	67	45	3	296
Wind Gen (MU)	14	40	25	-	-	79
Solar Gen (MU)*	39.11	28.50	83.09	4.83	0.03	156
Energy Shortage (MU)	9.6	0.0	0.0	0.0	0.4	10.0
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	35652	39052	41859	16480	2233	123196
Time Of Maximum Demand Met (From NLDC SCADA)	19:49	07:18	13:55	19:19	18:45	09:26

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	2.59	2.59	76.40	21.01

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	3628	0	75.8	56.5	-0.2	173	0.0
	Haryana	4042	0	75.8	72.4	1.1	176	0.0
	Rajasthan	8164	0	149.5	57.9	-0.7	440	0.0
	Delhi	2196	0	45.8	35.7	-1.6	61	0.0
	UP	14682	0	241.4	108.3	2.5	1713	0.0
	Uttarakhand	1005	0	18.5	5.3	0.3	167	0.0
	HP	816	0	12.4	0.4	-0.8	70	0.0
	J&K(UT) & Ladakh(UT)	2035	509	40.6	31.5	-0.7	256	9.6
	Chandigarh	131	0	2.2	2.3	-0.1	21	0.0
WR	Chhattisgarh	3115	0	73.8	23.7	-1.3	418	0.0
	Gujarat	10655	0	240.2	77.2	3.0	544	0.0
	MP	8605	0	166.2	101.4	-1.1	379	0.0
	Maharashtra	17456	0	377.2	164.8	-0.6	421	0.0
	Goa	370	0	7.4	7.5	-0.1	70	0.0
	DD	74	0	1.6	1.6	0.0	12	0.0
	DNH	89	0	1.9	1.8	0.1	27	0.0
	Essar steel	184	0	0.7	0.4	0.3	115	0.0
	Andhra Pradesh	8595	0	164.1	93.9	0.8	628	0.0
SR	Telangana	8665	0	179.5	88.5	-1.0	598	0.0
	Karnataka	10603	0	199.8	71.1	0.0	618	0.0
	Kerala	3335	0	64.7	47.6	1.3	283	0.0
	Tamil Nadu	11115	0	247.0	181.5	0.7	371	0.0
	Puducherry	239	0	4.5	4.7	-0.2	31	0.0
	Bihar	4233	0	73.4	74.4	-2.4	200	0.0
ER	DVC	1435	0	27.8	-21.1	-0.4	290	0.0
	Jharkhand	1309	0	22.7	15.6	-1.0	90	0.0
	Odisha	3375	0	71.4	11.9	0.9	250	0.0
	West Bengal	6576	0	134.7	36.1	0.0	200	0.0
	Sikkim	93	0	1.3	1.4	-0.1	15	0.0
	Assam	1289	11	20.4	17.3	0.3	106	0.2
NER	Manipur	183	1	2.4	2.1	0.3	20	0.0
	Meghalaya	239	0	3.6	3.5	-0.2	76	0.1
	Mizoram	95	1	1.5	1.3	0.1	17	0.0
	Nagaland	117	2	2.1	2.0	-0.1	33	0.0
	Tripura	243	1	4.0	3.2	-0.2	40	0.0

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

	Bhutan	Nepal	Banladesh
Actual (MU)	4.6	-3.3	-14.0
Day Peak (MW)	522.4	-295.0	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.0	-199.4	152.4	-67.4	-2.7	-0.1
Actual(MU)	103.5	-203.9	171.6	-72.0	-1.4	-2.1
O/D/UD(MU)	-13.6	-4.4	19.2	-4.6	1.3	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6478	21816	6272	1975	399	36939
State Sector	21843	28217	14665	8760	11	73496
Total	28321	50033	20937	10735	410	110436

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	280	831	387	388	10	1895
Lignite	16	12	50	0	0	78
Hydro	145	35	67	45	3	296
Nuclear	23	36	52	0	0	110
Gas, Naptha & Diesel	20	88	19	0	28	155
RES (Wind, Solar, Biomass & Others)	82	81	126	5	0	294
Total	567	1082	701	438	41	2829
Share of RES in total generation (%)	14.52	7.44	17.95	1.11	0.07	10.38
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.14	13.99	34.92	11.42	8.47	24.74

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.098
Based on State Max Demands	1.129

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: 07-Apr-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	251	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	D/C	9	398	0.0	5.5	-5.5
4	765 kV	SASARAM-FATEHPUR	S/C	94	151	0.0	0.2	-0.2
5	765 kV	GAYA-BALIA	S/C	0	288	0.0	4.2	-4.2
6	400 kV	PUSAULI-VARANASI	S/C	0	201	0.0	4.3	-4.3
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	109	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	54	510	0.0	5.4	-5.4
9	400 kV	PATNA-BALIA	O/C	0	598	0.0	3.7	-3.7
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	240	0.0	3.1	-3.1
11	400 kV	MOTHARI-GORAKHPUR	D/C	0	251	0.0	3.6	-3.6
12	400 kV	BIHARSHARIFF-VARANASI	D/C	122	180	0.0	0.2	-0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	179	0.0	2.9	-2.9
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-CHANDALI	S/C	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.5</b>	<b>45.9</b>	<b>-45.3</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1503	0	25.1	0.0	25.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	450	483	0.0	0.0	0.0
3	765 kV	JHARSUGUDA-DURG	D/C	32	148	0.0	1.4	-1.4
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	250	0.0	2.8	-2.8
5	400 kV	RANCHI-SIPAT	D/C	200	147	1.0	0.0	1.0
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	129	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	D/C	146	0	2.2	0.0	2.2
<b>ER-WR</b>						<b>28.2</b>	<b>6.4</b>	<b>21.8</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZIWAKA B/B	D/C	0	645	0.0	7.7	-7.7
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1987	0.0	42.6	-42.6
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3029	0.0	60.2	-60.2
4	400 kV	TALCHER-I/C	D/C	411	992	0.2	0.0	0.2
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>110.5</b>	<b>-110.5</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	D/C	354	0	5.1	0.0	5.1
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	415	0	6.3	0.0	6.3
3	220 kV	ALIPURDUAR-SALAKATI	D/C	87	0	1.4	0.0	1.4
<b>ER-NER</b>						<b>12.8</b>	<b>0.0</b>	<b>12.8</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	-	450	0	11.3	0.0	11.3
<b>NER-NR</b>						<b>11.3</b>	<b>0.0</b>	<b>11.3</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	227	0.0	10.6	-10.6
2	HVDC	V'CHAL B/B	D/C	449	58	12.1	0.0	12.1
3	HVDC	APL -MHG	D/C	0	982	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	D/C	0	1907	0.0	30.0	-30.0
5	765 kV	PHAGI-GWALIOR	D/C	0	1051	0.0	17.6	-17.6
6	765 kV	JABALPUR-ORAI	D/C	0	624	0.0	17.2	-17.2
7	765 kV	GWALIOR-ORAI	S/C	553	0	9.6	0.0	9.6
8	765 kV	SATNA-ORAI	D/C	0	1162	0.0	23.4	-23.4
9	765 kV	CHITORGARH-BANASKANTHA	D/C	321	454	0.0	1.5	-1.5
10	400 kV	ZERDA-KANKROLI	S/C	168	55	1.6	0.0	1.6
11	400 kV	ZERDA -BHINMAL	S/C	279	89	2.6	0.0	2.6
12	400 kV	V'CHAL -RIHAND	S/C	963	3	22.0	0.0	22.0
13	400 kV	RAPP-SHUJALPUR	D/C	223	158	0.5	0.0	0.5
14	220 kV	BHANPURA-RANPUR	S/C	46	47	0.0	0.3	-0.3
15	220 kV	BHANPURA-MORAK	S/C	0	89	0.0	1.1	-1.1
16	220 kV	MEHGAON-AURAIYA	S/C	95	0	1.2	0.0	1.2
17	220 kV	MALANPUR-AURAIYA	S/C	67	0	0.6	0.0	0.6
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>50.2</b>	<b>126.0</b>	<b>-75.7</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI/B	-	0	816	0.0	19.1	-19.1
2	HVDC	BARSUR-L-SHERU	-	0	0	0.0	0.0	0.0
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2335	0.0	39.8	-39.8
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2744	0.0	48.1	-48.1
5	400 kV	KOLHAPUR-KUDGI	D/C	514	209	2.8	0.5	2.3
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	S/C	0	70	0.0	1.4	-1.4
8	220 kV	XELDEM-AMBEWADI	S/C	0	53	1.0	0.0	1.0
<b>WR-SR</b>						<b>3.8</b>	<b>108.8</b>	<b>-105.0</b>

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	4	0	-27	-0.7
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	187	138	147	3.5
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	192	70	92	2.2
	NER	132KV-SALAKATI - GELEPHU	23	0	-16	-0.4
	NER	132KV-RANGIA - DEOTHANG	12	0	-3	-0.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.6
	ER	132KV-BIHAR - NEPAL	32	3	-13	-0.3
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	220	70	-100	-2.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-958	-256	-491	-11.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	61	0	-46	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	61	0	-46	-1.1