



**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: 03<sup>rd</sup> Apr 2020

To,

1. कार्यकारी निदेशक, पू. क्षेत्र. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षेत्र. 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. क्षेत्र. 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. क्षेत्र. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द. क्षेत्र. 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 02.04.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स. -5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02<sup>nd</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: 03-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)	33772	32493	35880	16574	2032	120751
Peak Shortage (MW)	541	0	0	0	159	700
Energy Met (MU)	653	846	917	337	34	2787
Hydro Gen (MU)	151	40	86	48	3	328
Wind Gen (MU)	8	43	30	-	-	81
Solar Gen (MU)*	46.41	29.50	94.71	4.69	0.01	175
Energy Shortage (MU)	12.8	0.0	0.0	0.0	1.5	14.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	34519	38458	42789	16681	2013	125817
Time Of Maximum Demand Met (From NLDC SCADA)	19:31	07:19	10:32	21:29	18:41	19:47

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	0.30	2.19	2.50	71.57	25.94

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	3393	0	68.0	51.7	-0.7	124	0.0
	Haryana	3867	0	71.3	69.0	-0.3	164	0.0
	Rajasthan	8252	0	147.7	54.9	-1.6	200	0.0
	Delhi	2294	0	43.8	33.7	-1.7	41	0.0
	UP	14468	0	246.2	107.5	-0.2	37	2.5
	Uttarakhand	1061	0	18.3	3.5	0.3	111	0.0
	HP	791	0	12.4	-0.1	-0.6	93	0.1
	J&K(UT) & Ladakh(UT)	2166	541	43.4	32.3	0.9	331	10.2
	Chandigarh	135	0	2.2	2.2	0.0	25	0.0
	Chhattisgarh	3248	0	75.7	27.6	-0.7	259	0.0
WR	Gujarat	10525	0	224.0	69.8	2.2	667	0.0
	MP	8777	0	165.5	102.9	-1.3	279	0.0
	Maharashtra	17046	0	369.8	142.9	0.6	503	0.0
	Goa	362	0	7.2	7.2	0.0	33	0.0
	DD	68	0	1.5	1.4	0.1	31	0.0
	DNH	83	0	1.7	1.7	0.0	30	0.0
	Essar steel	166	0	0.6	0.5	0.1	139	0.0
SR	Andhra Pradesh	8479	0	165.8	91.1	0.2	501	0.0
	Telangana	10014	0	202.4	108.9	-0.2	731	0.0
	Karnataka	11516	0	226.7	82.8	2.3	679	0.0
	Kerala	3765	0	71.4	52.8	1.4	215	0.0
	Tamil Nadu	11364	0	246.5	181.7	0.5	656	0.0
	Puducherry	221	0	4.3	4.5	-0.3	32	0.0
	DVC	1485	0	30.3	-27.6	1.3	462	0.0
ER	Bihar	4311	0	78.3	76.6	0.6	242	0.0
	Jharkhand	1277	0	23.3	14.0	0.3	165	0.0
	Odisha	3494	0	72.8	8.7	0.7	211	0.0
	West Bengal	6657	0	131.6	34.9	1.0	350	0.0
	Sikkim	85	0	1.0	1.4	-0.4	31	0.0
NER	Arunachal Pradesh	108	3	1.5	0.8	0.6	18	0.0
	Assam	1193	88	19.7	17.0	-0.4	59	1.3
	Manipur	149	6	2.4	2.1	0.3	42	0.0
	Meghalaya	232	5	3.4	3.2	-0.2	23	0.1
	Mizoram	88	4	1.5	1.3	-0.1	24	0.0
	Nagaland	115	6	2.0	2.0	-0.1	34	0.0
	Tripura	201	12	3.6	3.2	-0.4	28	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	6.0	-2.4	-14.3
Day Peak (MW)	572.2	-217.9	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	91.4	-193.4	164.5	-67.5	2.1	-3.0
Actual(MU)	80.6	-204.4	185.3	-67.7	1.4	-4.8
O/D/U/D(MU)	-10.8	-11.0	20.9	-0.2	-0.7	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6807	22252	6092	3000	399	38549
State Sector	21228	26446	14875	8260	11	70820
Total	28035	48697	20967	11260	410	109369

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	289	790	400	389	11	1879
Lignite	19	15	48	0	0	82
Hydro	151	40	87	48	3	328
Nuclear	24	37	55	0	0	115
Gas, Naptha & Diesel	24	84	18	0	23	150
RES (Wind, Solar, Biomass & Others)	83	83	140	5	0	311
Total	589	1049	747	442	37	2864
Share of RES in total generation (%)	14.13	7.91	18.78	1.08	0.03	10.87
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.68	15.21	37.65	11.84	9.26	26.32

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.069
Based on State Max Demands	1.124

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: 03-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	249	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	231	257	0.0	2.0	-2.0	
4	765 kV	SASARAM-FATEHPUR	S/C	138	138	0.7	0.0	0.7	
5	765 kV	GAYABALLA	S/C	24	251	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	223	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	127	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	101	445	0.0	4.0	-4.0	
9	400 kV	PATNA-BALLA	Q/C	0	575	0.0	8.1	-8.1	
10	400 kV	BIHARSHARIF-BALLA	D/C	28	203	0.0	2.3	-2.3	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	251	0.0	3.6	-3.6	
12	400 kV	BIHARSHARIF-VARANASI	D/C	181	137	1.4	0.0	1.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	170	0.0	2.7	-2.7	
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	2.6	38.4	-35.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1588	0	27.3	0.0	27.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	523	641	0.2	0.0	0.2	
3	765 kV	JHARSUGUDA-DURG	D/C	42	210	0.0	1.3	-1.3	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	320	0.0	3.4	-3.4	
5	400 kV	RANCHI-SIPAT	D/C	194	209	0.4	0.0	0.4	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	131	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	110	0	1.8	0.0	1.8	
						ER-WR	29.7	6.7	23.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	564	0.0	8.5	-8.5	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1981	0.0	48.0	-48.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2972	0.0	58.2	-58.2	
4	400 kV	TALCHER-I/C	D/C	0	861	0.0	4.1	-4.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	114.7	-114.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	293	102	4.0	0.0	4.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	347	105	4.6	0.0	4.6	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	72	23	1.0	0.0	1.0	
						ER-NER	9.6	0.0	9.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	466	0	11.2	0.0	11.2	
						NER-NR	11.2	0.0	11.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	3.5	-3.5	
2	HVDC	V'CHAL B/B	D/C	451	0	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	1836	0.0	37.3	-37.3	
5	765 kV	PHAGI-GWALIOR	D/C	0	1179	0.0	18.1	-18.1	
6	765 kV	JABALPUR-ORAI	S/C	32	595	0.0	17.7	-17.7	
7	765 kV	GWALIOR-ORAI	S/C	625	0	11.7	0.0	11.7	
8	765 kV	SAINA-ORAI	S/C	0	1181	0.0	24.4	-24.4	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	626	274	2.0	0.0	2.0	
10	400 kV	ZERDA-KANKROLI	S/C	246	15	2.7	0.0	2.7	
11	400 kV	ZERDA -BHINMAL	S/C	235	89	2.4	0.0	2.4	
12	400 kV	V'CHAL -RIHAND	S/C	967	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUJALPUR	D/C	305	207	0.4	0.0	0.4	
14	220 kV	BHANPURA-RANPUR	S/C	62	47	0.0	0.0	0.0	
15	220 kV	BHANPURA-MORAK	S/C	0	101	0.0	1.4	-1.4	
16	220 kV	MEHGAON-AURAIYA	S/C	155	0	1.8	0.0	1.8	
17	220 kV	MALANPUR-AURAIYA	S/C	117	0	1.2	0.0	1.2	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	56.6	119.3	-62.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	21.4	-21.4	
2	HVDC	BARSUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2506	0.0	42.0	-42.0	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	3166	0.0	53.9	-53.9	
5	400 kV	KOLHAPUR-KUDGI	D/C	495	164	2.3	0.5	1.6	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	59	0.0	1.1	-1.1	
8	220 kV	XELDEM-AMBEWADI	S/C	0	58	1.1	0.0	1.1	
						WR-SR	3.4	119.1	-115.7

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	45	0	-4	-0.1
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	171	137	135	3.2
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	211	107	130	3.1
	NER	132KV-SALAKATI - GELEPHU	21	0	-12	-0.3
	NER	132KV-RANGIA - DEOTHANG	4	0	3	0.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.5
	ER	132KV-BIHAR - NEPAL	-32	0	-8	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-186	-46	-73	-1.7
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-942	-252	-493	-11.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	58	0	-51	-1.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	58	0	-51	-1.2