



**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: 01<sup>st</sup> 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 30.04.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30th 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: 01-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)	39986	38518	32071	16425	2200	129200
Peak Shortage (MW)	536	0	0	0	59	595
Energy Met (MU)	839	982	783	314	36	2955
Hydro Gen (MU)	233	34	64	68	7	406
Wind Gen (MU)	23	49	29	-	-	101
Solar Gen (MU)*	35.05	27.70	84.33	4.73	0.03	152
Energy Shortage (MU)	9.8	0.0	0.0	0.0	1.6	11.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	41173	42676	34600	16155	2229	132779
Time Of Maximum Demand Met (From NLDC SCADA)	22:15	14:30	22:22	21:00	18:54	22:16

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	0.021	0.00	0.00	1.13	1.13	80.31	18.55

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	5277	0	103.4	77.7	-0.3	206	0.0
	Haryana	6382	0	108.4	93.7	1.2	245	0.0
	Rajasthan	9138	0	190.9	62.5	-2.5	437	0.0
	Delhi	3309	0	66.1	57.0	-3.1	23	0.0
	UP	15866	0	287.7	130.1	-0.2	950	0.0
	Uttarakhand	1074	0	22.4	6.3	-0.2	131	0.0
	HP	885	0	16.1	-2.7	-1.1	348	0.0
	J&K(UT) & Ladakh(UT)	2190	548	41.2	25.4	-0.3	389	9.8
WR	Chandigarh	151	0	3.0	3.0	0.0	16	0.0
	Chhattisgarh	3092	0	70.9	20.0	-0.8	388	0.0
	Gujarat	13508	0	296.2	94.7	3.8	751	0.0
	MP	8825	0	189.2	113.8	-1.5	362	0.0
	Maharashtra	18381	0	405.1	176.6	0.4	416	0.0
	Goa	465	0	10.1	9.9	-0.2	31	0.0
	DD	159	0	3.5	3.4	0.1	50	0.0
	DNH	262	0	5.7	5.7	0.0	42	0.0
SR	AMNSIL	363	0	1.6	1.3	0.3	191	0.0
	Andhra Pradesh	7191	0	151.3	83.5	-0.7	537	0.0
	Telangana	6678	0	140.2	57.4	1.4	591	0.0
	Karnataka	9758	0	189.7	58.1	-0.8	660	0.0
	Kerala	3338	0	67.7	46.9	0.5	179	0.0
	Tamil Nadu	10358	0	228.8	173.2	-0.3	680	0.0
ER	Puducherry	283	0	5.7	6.0	-0.3	83	0.0
	Bihar	4550	0	83.8	78.1	-0.1	230	0.0
	DVC	1618	0	32.2	-24.2	0.8	365	0.0
	Jharkhand	1221	0	22.5	14.8	-1.1	135	0.0
	Odisha	3493	0	67.5	-17.5	0.3	220	0.0
NER	West Bengal	5690	0	106.8	36.2	1.1	315	0.0
	Sikkim	107	0	1.3	1.5	-0.2	18	0.0
	Arunachal Pradesh	89	1	1.4	1.1	0.3	16	0.0
	Assam	1338	41	21.5	18.3	0.4	95	1.5
	Manipur	180	0	2.2	2.3	-0.1	39	0.0
	Meghalaya	263	0	4.4	1.2	-0.3	48	0.1
	Mizoram	86	1	1.4	1.4	-0.2	10	0.0
Nagaland	108	0	1.8	1.9	-0.2	13	0.0	
Tripura	234	1	3.1	3.4	-1.2	30	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	15.1	-0.8	-12.5
Day Peak (MW)	999.9	-137.3	-965.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.7	-177.1	143.3	-110.8	-0.3	-0.1
Actual(MU)	133.5	-179.3	145.5	-103.2	-1.2	-4.6
O/D/U/D(MU)	-11.2	-2.1	2.1	7.6	-0.9	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7235	19328	9732	2830	649	39774
State Sector	19208	23939	14918	7382	11	65458
Total	26443	43266	24650	10212	660	105231

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	327	936	346	374	7	1989
Lignite	22	15	38	0	0	76
Hydro	233	34	64	68	7	406
Nuclear	27	36	44	0	0	108
Gas, Naptha & Diesel	23	62	20	0	28	133
RES (Wind, Solar, Biomass & Others)	90	87	138	5	0	320
Total	722	1171	651	447	42	3033

Share of RES in total generation (%)	12.51	7.44	21.22	1.06	0.07	10.56
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	48.53	13.49	37.83	16.21	17.39	27.52

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.099

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: 01-May-2020

SI 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	6.2	-6.2	
3	765 kV	GAYA-VARANASI	D/C	0	697	0.0	9.6	-9.6	
4	765 kV	SASARAM-FATEHPUR	S/C	169	304	0.0	1.2	-1.2	
5	765 kV	GAYA-BALIA	S/C	0	397	0.0	4.0	-4.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	202	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	151	0.0	2.1	-2.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	816	0.0	11.4	-11.4	
9	400 kV	PATNA-BALIA	Q/C	0	840	0.0	14.0	-14.0	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	394	0.0	5.4	-5.4	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	256	0.0	4.0	-4.0	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	166	309	0.0	1.5	-1.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	176	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	0.6	0.0	0.6	
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	0.6	66.4	-65.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	992	0	13.0	0.0	13.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	441	253	3.9	0.0	3.9	
3	765 kV	JHARSUGUDA-DURG	D/C	0	523	0.0	7.6	-7.6	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	4	298	0.0	3.3	-3.3	
5	400 kV	RANCHI-SIPAT	D/C	264	137	2.2	0.0	2.2	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	129	0.0	2.3	-2.3	
7	220 kV	BUDHIPADAR-KORBA	D/C	135	0	1.6	0.0	1.6	
						ER-WR	20.7	13.1	7.6
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	373	0.0	8.4	-8.4	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1984	0.0	40.4	-40.4	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2889	0.0	57.9	-57.9	
4	400 kV	TALCHER-I/C	D/C	714	524	2.4	0.0	2.4	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	106.7	-106.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	378	25	5.1	0.0	5.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	464	86	6.9	0.0	6.9	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	91	14	1.2	0.0	1.2	
						ER-NER	13.2	0.0	13.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	487	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	3.9	-3.9	
2	HVDC	V'CHAL B/B	D/C	445	0	9.7	0.0	9.7	
3	HVDC	APL -MHG	D/C	0	1126	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2128	0.0	40.0	-40.0	
5	765 kV	PHAGI-GWALIOR	D/C	0	1161	0.0	18.7	-18.7	
6	765 kV	JABALPUR-ORAI	D/C	0	720	0.0	25.6	-25.6	
7	765 kV	GWALIOR-ORAI	S/C	524	0	10.4	0.0	10.4	
8	765 kV	SATNA-ORAI	S/C	0	1305	0.0	27.9	-27.9	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	798	387	4.1	0.0	4.1	
10	400 kV	ZERDA-KANKROLI	S/C	284	0	3.6	0.0	3.6	
11	400 kV	ZERDA -BHINMAL	S/C	474	0	5.5	0.0	5.5	
12	400 kV	V'CHAL -RIHAND	S/C	966	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUJALPUR	D/C	304	125	0.4	0.0	0.4	
14	220 kV	BHANPURA-RANPUR	S/C	37	56	0.0	0.8	-0.8	
15	220 kV	BHANPURA-MORAK	S/C	0	77	0.0	1.4	-1.4	
16	220 kV	MEHGAON-AURAIYA	S/C	103	0	1.1	0.0	1.1	
17	220 kV	MALANPUR-AURAIYA	S/C	63	11	0.4	0.0	0.4	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	57.4	146.1	-88.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	17.7	-17.7	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	190	2138	0.0	26.1	-26.0	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2228	0.0	38.3	-38.3	
5	400 kV	KOLHAPUR-KUDGI	D/C	330	321	1.2	1.7	-0.5	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	74	0.0	1.5	-1.5	
8	220 kV	XELDEM-AMBEWADI	S/C	0	64	1.2	0.0	1.2	
						WR-SR	2.5	85.2	-82.7

**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	127	84	88	2.1
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	256	255	230	5.5
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	461	246	283	6.8
	NER	132KV-SALAKATI - GELEPHU	5	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	-35	-2	-9	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-102	-2	-24	-0.6
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-850	-246	-428	-10.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	57	0	-48	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	58	0	-48	-1.1