



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 6<sup>th</sup> Oct 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., डोंगतेह, 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 05.10.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अक्टूबर-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 05<sup>th</sup>October 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: 06-Oct-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)	51053	49642	39353	21916	2759	164723
Peak Shortage (MW)	63	0	0	0	252	315
Energy Met (MU)	1174	1141	904	449	51	3719
Hydro Gen (MU)	208	46	132	137	24	548
Wind Gen (MU)	10	38	111	-	-	158
Solar Gen (MU)*	40.43	28.28	94.62	3.98	0.07	167
Energy Shortage (MU)	0.1	0.0	0.0	0.0	3.0	3.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54293	49990	41676	22157	2873	166681
Time Of Maximum Demand Met (From NLDC SCADA)	11:13	18:48	09:42	19:34	18:03	18:51

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	0.035	0.00	1.06	6.47	7.53	79.93	12.53

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	8928	0	189.9	101.4	-1.7	91	0.0
	Haryana	7616	0	167.2	134.2	1.0	276	0.1
	Rajasthan	11330	0	240.2	73.2	-1.7	288	0.0
	Delhi	4251	0	90.3	78.7	-1.2	94	0.0
	UP	18212	0	368.1	166.1	-0.7	1054	0.0
	Uttarakhand	1858	0	38.3	21.2	0.5	115	0.0
	HP	1405	0	29.5	10.9	1.4	151	0.0
	J&K(UT) & Ladakh(UT)	2489	0	46.2	29.8	1.5	329	0.0
WR	Chandigarh	212	0	4.2	4.2	-0.1	28	0.0
	Chhattisgarh	3374	0	80.9	25.9	0.2	243	0.0
	Gujarat	16309	0	361.1	75.4	2.2	823	0.0
	MP	9724	0	218.2	135.2	-0.9	304	0.0
	Maharashtra	19753	0	428.6	129.6	-0.7	1252	0.0
	Goa	478	0	9.6	9.0	-0.1	113	0.0
	DD	323	0	7.1	7.0	0.1	161	0.0
	DNH	785	0	18.1	18.0	0.1	232	0.0
SR	AMNSIL	795	0	17.4	1.2	0.4	231	0.0
	Andhra Pradesh	7780	0	164.6	53.2	3.5	819	0.0
	Telangana	9680	0	195.8	60.6	0.7	639	0.0
	Karnataka	8670	0	165.7	51.4	1.6	695	0.0
	Kerala	3443	0	68.2	44.6	0.1	185	0.0
	Tamil Nadu	13936	0	302.5	150.5	3.1	710	0.0
	Puducherry	369	0	7.3	7.4	-0.1	60	0.0
	ER	Bihar	5625	0	107.0	100.9	1.3	492
DVC		3093	0	63.3	-47.0	-1.9	290	0.0
Jharkhand		1396	0	27.9	20.9	-1.5	106	0.0
Odisha		4537	0	91.4	15.2	-1.0	186	0.0
West Bengal		7858	0	158.1	44.7	0.8	393	0.0
Sikkim		89	0	1.2	1.2	0.0	17	0.0
NER	Arunachal Pradesh	108	1	1.9	2.2	-0.3	25	0.0
	Assam	1773	220	32.0	28.2	0.0	130	3.0
	Manipur	206	1	2.7	2.6	0.1	29	0.0
	Meghalaya	328	0	5.9	0.7	-0.3	27	0.0
	Mizoram	97	1	1.5	1.1	0.2	46	0.0
	Nagaland	142	1	2.4	2.3	-0.1	15	0.0
	Tripura	271	2	4.8	6.8	0.0	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	46.5	-2.2	-25.2
Day Peak (MW)	2097.0	-217.5	-1068.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	311.9	-277.1	94.3	-128.9	-0.1	0.0
Actual(MU)	315.8	-278.1	104.8	-139.7	-2.1	0.6
OD/UD(MU)	3.9	-1.0	10.5	-10.9	-2.0	0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5516	16572	11502	1955	525	36070
State Sector	11249	17016	14376	5667	112	48420
Total	16765	33588	25878	7622	637	84490

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	531	1191	338	475	7	2542
Lignite	27	14	24	0	0	64
Hydro	208	46	132	137	24	548
Nuclear	27	21	69	0	0	117
Gas, Naptha & Diesel	22	99	15	0	27	164
RES (Wind, Solar, Biomass & Others)	62	66	235	4	0	368
Total	877	1437	814	617	59	3803
Share of RES in total generation (%)	7.09	4.59	28.92	0.65	0.12	9.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.91	9.22	53.64	22.93	40.89	27.14

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.063

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: 06-Oct-2020

Sl No	Voltage Level	Line Details	No. of 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	2	0	1001	0.0	24.8	-24.8	
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.3	-7.3	
3	765 kV	GAYA-VARANASI	2	0	894	0.0	13.6	-13.6	
4	765 kV	SASARAM-FATEHPUR	1	82	283	0.0	1.7	-1.7	
5	765 kV	GAYA-BALIA	1	0	472	0.0	9.2	-9.2	
6	400 kV	PUSAULI-VARANASI	1	0	216	0.0	4.5	-4.5	
7	400 kV	PUSAULI -ALLAHABAD	1	0	162	0.0	2.6	-2.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	799	0.0	14.0	-14.0	
9	400 kV	PATNA-BALIA	4	0	1044	0.0	17.9	-17.9	
10	400 kV	BHARSHARIFE-BALIA	2	0	378	0.0	6.2	-6.2	
11	400 kV	MOTIHARIGORAKHPUR	2	0	316	0.0	5.9	-5.9	
12	400 kV	BHARSHARIFE-VARANASI	2	0	346	0.0	3.3	-3.3	
13	220 kV	PUSAULI-SAHUPURI	1	59	53	0.0	0.1	-0.1	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	111.1	-110.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	765	0	9.9	0.0	9.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1178	136	11.6	0.0	11.6	
3	765 kV	JHARSUGUDA-DURG	2	255	251	0.0	0.0	0.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	278	113	2.3	0.0	2.3	
5	400 kV	RANCHI-SIPAT	2	361	80	4.6	0.0	4.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	134	0.0	2.1	-2.1	
7	220 kV	BUDHIPADAR-KORBA	2	107	0	1.6	0.0	1.6	
						ER-WR	30.1	2.1	27.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	430	0.0	9.0	-9.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1349	0.0	32.5	-32.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2660	0.0	48.5	-48.5	
4	400 kV	TALCHER-I/C	2	426	0	5.7	0.0	5.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	90.0	-90.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	424	0.0	4.6	-4.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	94	495	0.0	3.9	-3.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	136	0.0	1.7	-1.7	
						ER-NER	0.0	10.2	-10.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	603	0.0	14.5	-14.5	
						NER-NR	0.0	14.5	-14.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	35.6	-35.6	
2	HVDC	VINDHYACHAL B/B	-	360	0	9.7	0.0	9.7	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1455	0.0	36.3	-36.3	
4	765 kV	GWALIOR-AGRA	2	0	2752	0.0	50.5	-50.5	
5	765 kV	PHAGGL-GWALIOR	2	0	1392	0.0	25.8	-25.8	
6	765 kV	JABALPUR-ORAI	2	0	1080	0.0	41.0	-41.0	
7	765 kV	GWALIOR-ORAI	1	519	0	10.1	0.0	10.1	
8	765 kV	SATNA-ORAI	1	0	1558	0.0	32.6	-32.6	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1000	0.0	9.7	-9.7	
10	400 kV	ZERDA-KANKROLI	1	48	162	0.0	0.9	-0.9	
11	400 kV	ZERDA -BHINMAL	1	9	192	0.0	1.8	-1.8	
12	400 kV	VINDHYACHAL-RIHAND	1	975	0	22.6	0.0	22.6	
13	400 kV	RAPP-SIHUAIPUR	2	0	406	0.0	6.6	-6.6	
14	220 kV	BHANPURA-RANPUR	1	0	150	0.0	2.4	-2.4	
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	2.2	-2.2	
16	220 kV	MEHGAON-AURAIYA	1	108	0	0.3	0.1	0.2	
17	220 kV	MALANPUR-AURAIYA	1	62	26	1.1	0.0	1.1	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	43.9	245.7	-201.8
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	13.9	-13.9	
2	HVDC	RAIGARH-PUGAULI	2	0	299	0.0	7.2	-7.2	
3	765 kV	SOLAPUR-RAICHUR	2	1025	1892	0.0	11.1	-11.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2230	0.0	26.5	-26.5	
5	400 kV	KOLHAPUR-KUDGI	2	694	65	0.0	9.0	-9.0	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDAM-AMBEWADI	1	0	78	1.5	0.0	1.5	
						WR-SR	1.5	67.7	-66.2

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR & 2 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	587	0	576	13.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1008	953	958	23.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	366	0	307	7.4
	NER	132KV-GEYLEGPHU - SALAKATI	74	44	-47	-1.1
	NER	132kV Motanga-Rangis	61	16	-52	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-0.6
	ER	132KV-BIHAR - NEPAL	-74	-1	-14	-0.3
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-144	-4	-55	-1.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-914	-911	-913	-21.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-69	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-69	-1.7