



**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: 4<sup>th</sup> Nov 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 03.11.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-नवंबर-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 3<sup>rd</sup> November 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: 04-Nov-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 19:00 hrs; from RLDCs)	45014	50605	41232	19481	2703	159035
Peak Shortage (MW)	80	0	0	54	121	255
Energy Met (MU)	924	1185	940	397	49	3496
Hydro Gen (MU)	118	26	133	77	16	371
Wind Gen (MU)	15	46	22	-	-	84
Solar Gen (MU)*	37.18	29.40	94.47	4.68	0.06	166
Energy Shortage (MU)	0.7	0.0	0.0	0.2	2.2	3.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46112	52992	44900	19812	2785	160779
Time Of Maximum Demand Met (From NLDC SCADA)	09:41	10:39	12:50	18:00	18:08	10:40

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	0.020	0.00	0.00	1.71	1.71	80.35	17.94

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	5312	0	107.4	88.6	-1.0	105	0.0
	Haryana	5923	0	124.6	113.3	0.3	113	0.0
	Rajasthan	12793	0	246.6	86.0	2.2	520	0.0
	Delhi	3422	0	64.7	47.2	0.1	219	0.0
	UP	14632	0	270.0	109.2	-1.1	356	0.6
	Uttarakhand	1801	0	35.9	25.9	1.4	172	0.2
	HP	1545	0	29.3	21.0	-0.4	71	0.0
	J&K(UT) & Ladakh(UT)	2460	0	42.9	38.3	-2.6	226	0.0
WR	Chandigarh	170	0	3.0	3.1	0.0	27	0.0
	Chhattisgarh	3495	0	75.1	27.8	-0.9	215	0.0
	Gujarat	16090	0	352.4	53.3	2.5	468	0.0
	MP	13398	0	268.4	163.7	-0.7	531	0.0
	Maharashtra	20224	0	436.6	139.1	-1.2	543	0.0
	Goa	496	0	10.3	9.8	-0.1	61	0.0
	DD	345	0	7.6	7.3	0.3	27	0.0
	DNH	798	0	18.3	18.3	0.1	42	0.0
SR	AMNSIL	759	0	16.2	1.5	0.5	256	0.0
	Andhra Pradesh	9490	0	190.9	88.8	0.6	975	0.0
	Telangana	7324	0	153.1	41.1	-0.3	422	0.0
	Karnataka	9841	0	187.2	57.0	2.1	820	0.0
	Kerala	3579	0	73.1	48.7	1.1	250	0.0
	Tamil Nadu	15281	0	328.4	202.0	0.1	578	0.0
	Puducherry	387	0	7.8	8.1	-0.3	33	0.0
	ER	Bihar	4229	0	74.2	76.2	-2.5	522
DVC		3199	0	64.1	-36.5	-0.7	622	0.0
Jharkhand		1356	0	25.6	18.5	-1.5	118	0.2
Odisha		4452	0	89.1	12.3	1.0	304	0.0
West Bengal		7269	0	142.9	44.6	0.3	374	0.0
Sikkim		106	0	1.4	1.3	0.1	49	0.0
NER	Arunachal Pradesh	123	2	2.0	1.9	0.1	31	0.0
	Assam	1702	80	29.4	26.2	0.0	115	2.1
	Manipur	206	3	2.8	2.5	0.3	35	0.0
	Meghalaya	339	0	6.1	2.3	-0.1	66	0.0
	Mizoram	104	1	1.7	0.7	0.8	9	0.0
	Nagaland	152	2	2.5	2.2	0.2	23	0.0
	Tripura	280	1	4.6	4.7	-0.3	41	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	19.5	-2.0	-24.6
Day Peak (MW)	914.0	-273.3	-1072.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	302.2	-304.1	112.4	-111.9	1.3	0.0
Actual(MU)	294.1	-303.9	127.3	-124.6	2.1	-5.0
O/D/U/D(MU)	-8.1	0.2	14.9	-12.8	0.8	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7210	15333	9852	2270	844	35508
State Sector	16701	14044	12466	7895	11	51116
Total	23911	29377	22318	10165	855	86625

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	397	1274	451	477	7	2605
Lignite	21	13	30	0	0	64
Hvdro	118	26	133	77	16	371
Nuclear	28	21	43	0	0	92
Gas, Naptha & Diesel	21	94	16	0	28	159
RES (Wind, Solar, Biomass & Others)	63	76	158	5	0	301
Total	647	1503	831	559	52	3591
Share of RES in total generation (%)	9.72	5.06	19.00	0.83	0.12	8.39
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.28	8.14	40.24	14.65	31.51	21.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.036
Based on State Max Demands	1.077

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: 04-Nov-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	351	0.0	8.7	-8.7
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.2	-7.2
3	765 kV	GAYA-VARANASI	2	0	899	0.0	12.5	-12.5
4	765 kV	SASARAM-EATEHPUR	1	0	389	0.0	4.5	-4.5
5	765 kV	GAYA-BALIA	1	0	474	0.0	8.8	-8.8
6	400 kV	PUSAULI-VARANASI	1	0	209	0.0	4.1	-4.1
7	400 kV	PUSAULI-ALLAHABAD	1	0	173	0.0	3.0	-3.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	892	0.0	10.6	-10.6
9	400 kV	PATNA-BALIA	4	0	1096	0.0	17.7	-17.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	423	0.0	5.2	-5.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	337	0.0	6.2	-6.2
12	400 kV	BIHARSHARIFF-VARANASI	2	48	310	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	1	30	61	0.0	0.7	-0.7
14	132 kV	SONWAL-RIHAND	1	0	64	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	91.0	-90.6
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1354	0	19.2	0.0	19.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	715	22	9.4	0.0	9.4
3	765 kV	JHARSUGUDA-DURG	2	134	23	1.5	0.0	1.5
4	400 kV	JHARSUGUDA-RAIGARH	4	390	0	5.5	0.0	5.5
5	400 kV	RANCHI-SIPAT	2	284	20	3.9	0.0	3.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	139	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	138	0	2.2	0.0	2.2
						ER-WR	41.8	39.8
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	430	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1997	0.0	48.0	-48.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2716	0.0	54.8	-54.8
4	400 kV	TALCHER-I/C	2	0	515	0.0	3.9	-3.9
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	111.4	-111.4
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	408	0.0	4.8	-4.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	540	0.0	6.3	-6.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	113	0.0	1.5	-1.5
						ER-NER	12.6	-12.6
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	11.5	-11.5
						NER-NR	11.5	-11.5
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1515	0.0	31.1	-31.1
2	HVDC	VINDHYACHAL B/B	-	447	0	12.1	0.0	12.1
3	HVDC	MUNDA-MOHINDERGARH	2	0	1647	0.0	41.1	-41.1
4	765 kV	GWALIOR-AGRA	2	0	2631	0.0	49.6	-49.6
5	765 kV	PHAGI-GWALIOR	2	0	1758	0.0	27.2	-27.2
6	765 kV	JABALPUR-ORAI	2	0	1125	0.0	40.5	-40.5
7	765 kV	GWALIOR-ORAI	1	644	0	10.0	0.0	10.0
8	765 kV	SATNA-ORAI	1	0	1553	0.0	33.1	-33.1
9	765 kV	CHITORGARH-BANASKANTHA	2	0	998	0.0	13.7	-13.7
10	400 kV	ZERDA-KANKROLI	1	2	195	0.0	1.7	-1.7
11	400 kV	ZERDA -BHINMAL	1	0	457	0.0	5.1	-5.1
12	400 kV	VINDHYACHAL -RIHAND	1	983	0	22.4	0.0	22.4
13	400 kV	RAPP-SHUALPUR	2	0	413	0.0	4.7	-4.7
14	220 kV	BHANPURA-RANPUR	1	0	146	0.0	1.9	-1.9
15	220 kV	BHANPURA-MORAK	1	11	0	0.2	0.3	-0.1
16	220 kV	MEHGAON-AURAIYA	1	116	0	0.4	0.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	72	24	1.2	0.0	1.2
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	46.3	250.0
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	265	0.0	6.2	-6.2
2	HVDC	RAIGARH-PUGALUR	2	0	153	0.0	7.3	-7.3
3	765 kV	SOLAPUR-RAICHUR	2	160	2128	0.0	28.5	-28.5
4	765 kV	WARDHA-NIZAMABAD	2	0	1983	0.0	26.5	-26.5
5	400 kV	KOLHAPUR-KUDGI	2	517	0	6.4	0.0	6.4
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	1	0	0.0	0.0	0.0
8	220 kV	NELDEM-AMBEWADI	1	45	0	0.8	0.0	0.8
						WR-SR	7.2	68.4
<b>INTERNATIONAL EXCHANGES</b>								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)		
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	300	248	250	6.0		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	393	389	393	9.9		
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	164	0	105	2.5		
	NER	132KV-GEYLEGPHU - SALAKATI	21	4	-15	-0.4		
	NER	132KV Motanga-Rangia	35	23	-30	-0.7		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-44	0	-9	-0.2		
	ER	132KV-BIHAR - NEPAL	-101	10	-38	-0.9		
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-128	-2	-36	-0.9		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-918	-903	-905	-21.7		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-61	-1.5		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-61	-1.5		