



**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: 26<sup>th</sup> Sep 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 25.09.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-सितंबर-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 25th September 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: 26-Sep-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)	61517	46259	37016	20500	2619	167911
Peak Shortage (MW)	43	0	0	0	7	50
Energy Met (MU)	1325	1060	907	430	49	3771
Hydro Gen (MU)	296	102	141	137	29	705
Wind Gen (MU)	36	71	85	-	-	193
Solar Gen (MU)*	37.36	24.75	80.71	4.20	0.07	147
Energy Shortage (MU)	0.5	0.0	0.0	0.0	0.1	0.5
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61882	47184	44614	20593	2722	169323
Time Of Maximum Demand Met (From NLDC SCADA)	19:47	18:54	09:50	19:15	18:37	19:06

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	0.023	0.00	0.00	2.84	2.84	84.65	12.51

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	10789	0	240.1	139.4	-1.4	47	0.0
	Haryana	8902	0	199.1	142.6	1.4	521	0.0
	Rajasthan	12118	0	267.3	77.7	-1.8	502	0.0
	Delhi	5607	0	116.6	116.0	0.1	199	0.0
	UP	20237	43	376.2	161.5	1.9	428	0.4
	Uttarakhand	1937	0	40.9	22.1	0.3	109	0.0
	HP	1497	0	32.4	8.1	0.3	93	0.0
	J&K(UT) & Ladakh(UT)	2337	0	46.4	24.7	0.1	586	0.0
	Chandigarh	266	0	5.5	5.5	0.1	32	0.0
WR	Chhattisgarh	3679	0	87.5	29.9	2.3	327	0.0
	Gujarat	15007	0	332.4	74.3	3.0	717	0.0
	MP	9291	0	203.2	97.2	-2.2	372	0.0
	Maharashtra	17955	0	385.0	134.5	-3.3	641	0.0
	Goa	476	0	9.4	8.9	0.0	70	0.0
	DD	328	0	7.3	7.1	0.2	177	0.0
	DNH	771	0	17.9	17.9	0.0	246	0.0
	AMNSIL	797	0	16.7	2.0	0.1	255	0.0
	SR	Andhra Pradesh	8555	0	175.3	70.9	-0.2	811
Telangana		9410	0	175.3	62.7	-0.3	691	0.0
Karnataka		9160	0	166.5	55.9	1.2	532	0.0
Kerala		3256	0	66.7	37.7	-0.1	186	0.0
Tamil Nadu		14742	0	315.3	185.1	0.1	827	0.0
Puducherry		386	0	8.2	8.4	-0.2	60	0.0
ER	Bihar	4685	0	80.8	76.3	0.4	764	0.0
	DVC	2988	0	64.8	-45.9	0.3	306	0.0
	Jharkhand	1355	0	26.0	20.4	-2.0	404	0.0
	Odisha	4553	0	94.5	15.1	0.5	382	0.0
	West Bengal	7510	0	162.6	49.9	0.1	440	0.0
	Sikkim	86	0	1.2	1.4	-0.1	19	0.0
NER	Arunachal Pradesh	114	1	2.2	2.2	0.1	39	0.0
	Assam	1717	25	30.8	27.7	-0.5	153	0.0
	Manipur	195	1	2.6	2.5	0.1	49	0.0
	Meghalaya	295	0	5.2	0.2	-0.6	64	0.0
	Mizoram	89	1	1.6	1.1	0.1	9	0.0
	Nagaland	123	2	2.3	2.3	-0.2	10	0.0
Tripura	258	2	4.3	6.2	-0.4	22	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.4	-1.6	-25.5
Day Peak (MW)	2128.0	-160.5	-1095.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	341.0	-334.2	144.1	-145.0	-5.9	0.0
Actual(MU)	342.1	-327.2	154.9	-156.1	-9.2	4.4
OD/UD(MU)	1.1	6.9	10.8	-11.1	-3.3	4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5440	16780	11962	2255	525	36963
State Sector	819	19154	15147	5605	112	48136
Total	13559	35934	27109	7860	637	85099

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	564	1084	327	474	7	2456
Lignite	24	12	24	0	0	59
Hydro	296	102	141	137	29	705
Nuclear	26	20	69	0	0	116
Gas, Naptha & Diesel	3	64	16	0	27	110
RES (Wind, Solar, Biomass & Others)	87	96	195	4	0	383
Total	999	1378	772	615	64	3828
Share of RES in total generation (%)	8.69	6.99	25.33	0.69	0.11	10.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.91	15.88	52.51	22.90	46.29	31.43

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.045
Based on State Max Demands	1.072

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: 26-Sep-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	1000	0.0	24.3	-24.3
2	HVDC	PUSAULI-BB	-	0	297	0.0	7.3	-7.3
3	765 kV	GAYA-VARANASI	2	0	786	0.0	14.8	-14.8
4	765 kV	SASARAM-FATEHPUR	1	40	302	0.0	3.8	-3.8
5	765 kV	GAYA-BALIA	1	0	485	0.0	8.7	-8.7
6	400 kV	PUSAULI-VARANASI	1	0	215	0.0	4.1	-4.1
7	400 kV	PUSAULI-ALLAHABAD	1	0	155	0.0	2.9	-2.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	885	0.0	17.2	-17.2
9	400 kV	PATNA-BALIA	4	0	1086	0.0	21.1	-21.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	403	0.0	8.2	-8.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	331	0.0	5.6	-5.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	295	0.0	4.6	-4.6
13	220 kV	PUSAULI-SAHUPURI	1	2	124	0.0	2.7	-2.7
14	132 kV	SONENAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAL-RIHAND	1	30	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	125.2	-124.9
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1197	0	25.1	0.0	25.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	905	14	8.5	0.0	8.5
3	765 kV	JHARSUGUDA-DURG	2	259	92	2.1	0.0	2.1
4	400 kV	JHARSUGUDA-RAIGARH	4	191	0	1.8	0.0	1.8
5	400 kV	RANCHI-SIPAT	2	351	0	3.6	0.0	3.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	131	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	143	0	2.4	0.0	2.4
ER-WR						43.5	1.7	41.8
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	586	0.0	13.7	-13.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1789	0.0	43.2	-43.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2952	0.0	56.6	-56.6
4	400 kV	TALCHER-J/C	2	17	351	0.0	3.7	-3.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
ER-SR						0.0	113.6	-113.6
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	27	335	0.0	2.2	-2.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	187	344	0.0	0.4	-0.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	109	0.0	1.1	-1.1
ER-NER						0.0	3.8	-3.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.7	-14.7
NER-NR						0.0	14.7	-14.7
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1499	0.0	30.8	-30.8
2	HVDC	VINDHYACHAL B/B	-	0	253	0.0	3.5	-3.5
3	HVDC	MUNDA-MOHINDERGARH	2	0	1080	0.0	26.7	-26.7
4	765 kV	GWALIOR-AGRA	2	0	2745	0.0	48.6	-48.6
5	765 kV	PHAGI-GWALIOR	2	0	1179	0.0	22.5	-22.5
6	765 kV	JABALPUR-ORAI	2	0	1024	0.0	36.8	-36.8
7	765 kV	GWALIOR-ORAI	1	449	0	8.8	0.0	8.8
8	765 kV	SATNA-ORAI	1	0	1497	0.0	30.8	-30.8
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1333	0.0	14.6	-14.6
10	400 kV	ZERDA-KANKROLI	1	0	224	0.0	2.7	-2.7
11	400 kV	ZERDA-BHINMAL	1	48	244	0.0	1.8	-1.8
12	400 kV	VINDHYACHAL-RIHAND	1	481	0	11.1	0.0	11.1
13	400 kV	RAPP-SHUJALPUR	2	0	483	0.0	6.6	-6.6
14	220 kV	BHANPURA-RANPUR	1	0	134	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	2.3	-2.3
16	220 kV	MEHGAON-AURAIYA	1	114	0	0.4	0.1	0.4
17	220 kV	MALANPUR-AURAIYA	1	67	30	0.0	1.4	0.0
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						21.6	229.9	-208.2
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	21.1	-21.1
2	HVDC	RAIGARH-PUGALUR	2	570	150	0.6	0.0	0.6
3	765 kV	SOLAPUR-RAICHUR	2	0	2126	0.0	28.7	-28.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2290	0.0	36.6	-36.6
5	400 kV	KOLHAPUR-KUDGI	2	579	0	6.1	0.0	6.1
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	XELDEM-AMBEWADI	1	0	74	1.4	0.0	1.4
WR-SR						8.2	86.4	-78.3

INTERNATIONAL EXCHANGES

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)	583	0	579	13.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1082	1079	1082	26.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	347	0	328	7.9
	NER	132KV-GEYLEGPHU - SALAKATI	56	48	-52	-1.2
	NER	132kV Motanga-Rangla	60	45	-50	-1.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-0.3
	ER	132KV-BIHAR - NEPAL	-2	0	-1	0.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-126	-10	-53	-1.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-950	-931	-940	-22.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	73	0	-62	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	72	0	-62	-1.5