



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: 26th Oct 2021

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 25.10.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अक्टूबर-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 October 2021, 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-Oct-2021

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)	44899	53155	41779	21021	2770	163624
Peak Shortage (MW)	200	528	0	476	0	1204
Energy Met (MU)	902	1208	934	436	50	3529
Hydro Gen (MU)	185	49	144	113	19	510
Wind Gen (MU)	14	17	16	-	-	46
Solar Gen (MU)*	68.21	38.12	90.60	4.62	0.26	202
Energy Shortage (MU)	5.80	3.43	0.00	0.91	0.00	10.14
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46861	54572	43857	21254	2883	168398
Time Of Maximum Demand Met (From NLDC SCADA)	18:33	11:01	14:55	19:38	17:57	18:38

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	0.038	0.00	0.53	5.18	5.72	73.87	20.41

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	5386	0	110.9	62.2	-2.6	125	0.00
	Haryana	6243	0	118.8	83.3	-2.3	398	0.00
	Rajasthan	10847	0	214.9	54.9	0.6	382	0.00
	Delhi	3467	0	68.9	56.4	0.2	171	0.00
	UP	15153	0	274.9	110.7	-0.8	391	2.35
	Uttarakhand	1717	0	32.7	17.1	-1.0	107	0.00
	HP	1619	0	30.1	13.7	-0.5	285	0.00
	J&K(UT) & Ladakh(UT)	2709	200	47.6	37.2	0.9	407	3.45
WR	Chandigarh	166	0	3.1	4.5	-1.4	16	0.00
	Chhattisgarh	4006	0	89.6	31.2	0.6	306	0.00
	Gujarat	17176	0	376.8	222.0	4.4	694	3.32
	MP	9699	0	201.5	129.9	-1.2	683	0.00
	Maharashtra	22250	0	482.8	173.6	-1.9	760	0.00
	Goa	588	20	12.4	11.7	0.0	62	0.11
	DD	341	0	7.6	7.3	0.3	42	0.00
	DNH	865	0	19.6	19.3	0.3	61	0.00
SR	AMNSIL	769	0	17.6	8.9	-0.1	275	0.00
	Andhra Pradesh	8841	0	187.4	74.9	-0.1	429	0.00
	Telangana	9439	0	192.7	42.6	-1.4	412	0.00
	Karnataka	8721	0	177.7	59.6	-1.7	575	0.00
	Kerala	3611	0	72.9	35.8	-1.1	159	0.00
	Tamil Nadu	14532	0	294.7	171.7	0.8	487	0.00
	Puducherry	391	0	8.1	8.4	-0.4	40	0.00
	ER	Bihar	5079	308	93.1	86.3	0.6	274
DVC		3274	0	67.7	-30.9	-1.6	357	0.09
Jharkhand		1464	0	26.4	22.3	-2.1	192	0.52
Odisha		5027	0	107.1	39.0	-0.3	331	0.00
West Bengal		7460	0	139.9	21.3	0.0	326	0.00
Sikkim		98	0	1.5	1.5	0.0	26	0.00
NER	Arunachal Pradesh	142	0	2.3	2.2	0.0	35	0.00
	Assam	1753	0	30.4	22.9	0.3	110	0.00
	Manipur	182	0	2.6	2.5	0.1	27	0.00
	Meghalaya	335	0	5.9	2.9	0.0	39	0.00
	Mizoram	113	0	1.5	1.3	-0.3	3	0.00
	Nagaland	135	0	2.4	2.0	0.0	23	0.00
	Tripura	266	0	4.5	3.5	-0.4	31	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.1	0.4	-20.4
Day Peak (MW)	1879.0	43.5	-874.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	132.6	-56.2	74.5	-146.7	-4.2	0.0
Actual(MU)	99.7	-30.5	77.4	-145.6	-4.8	-3.9
O/D/U/D(MU)	-33.0	25.8	2.9	1.0	-0.6	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6178	16260	7662	2030	555	32684	44
State Sector	12401	16936	9191	3895	11	42433	56
Total	18579	33195	16853	5925	566	75117	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	470	1080	467	491	11	2520	70
Lignite	24	9	49	0	0	81	2
Hydro	185	49	144	113	19	510	14
Nuclear	32	33	69	0	0	134	4
Gas, Naptha & Diesel	17	32	8	0	29	86	2
RES (Wind, Solar, Biomass & Others)	94	55	133	5	0	286	8
Total	821	1258	870	608	60	3617	100

Share of RES in total generation (%)	11.40	4.38	15.25	0.76	0.44	7.91
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.80	10.91	39.78	19.27	31.83	25.71

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.006
Based on State Max Demands	1.032

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-Oct-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	501	0.0	10.6	-10.6	
2	HVDC	PUSAULI B/B	-	2	248	0.0	5.8	-5.8	
3	765 kV	GAYA-VARANASI	2	121	583	0.0	3.7	-3.7	
4	765 kV	SASARAM-FATEHPUR	1	0	471	0.0	5.1	-5.1	
5	765 kV	GAYA-BALIA	1	0	361	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	1	36	161	0.0	3.2	-3.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	146	0.0	2.4	-2.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	639	0.0	11.4	-11.4	
9	400 kV	PATNA-BALIA	4	0	556	0.0	8.1	-8.1	
10	400 kV	BIHARSHARIFF-BALIA	2	13	307	0.0	3.9	-3.9	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	365	0.0	6.1	-6.1	
12	400 kV	BIHARSHARIFF-VARANASI	2	58	270	0.0	1.3	-1.3	
13	220 kV	PUSAULI-SAHUPURI	1	13	101	0.0	1.0	-1.0	
14	132 kV	SONEG NAGAR-RIHAND	1	0	0	0.1	0.0	0.1	
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	67.5	-67.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	612	123	5.8	0.0	5.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	380	841	0.0	4.2	-4.2	
3	765 kV	JHARSUGUDA-DURG	2	0	346	0.0	3.8	-3.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	526	0.0	7.2	-7.2	
5	400 kV	RANCHI-SIPAT	2	91	236	0.0	1.4	-1.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	129	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	158	0	2.6	0.0	2.6	
						ER-WR	8.4	18.8	-10.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	437	0.0	9.7	-9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1938	0.0	41.6	-41.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2653	0.0	48.4	-48.4	
4	400 kV	TALCHER/JC	2	271	585	0.0	8.3	-8.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	99.7	-99.7
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	35	209	0.0	2.1	-2.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	37	314	0.0	2.9	-2.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	95	0.0	1.4	-1.4	
						ER-NER	0.0	6.4	-6.4
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	12.6	-12.6	
						NER-NR	0.0	12.6	-12.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	324	0.0	7.7	-7.7	
2	HVDC	VINDHYACHAL B/B	-	444	0	12.2	0.0	12.2	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	300	0.0	6.0	-6.0	
4	765 kV	GWALIOR-AGRA	2	0	1433	0.0	18.4	-18.4	
5	765 kV	GWALIOR-PHAGI	2	0	1882	0.0	34.9	-34.9	
6	765 kV	JABALPUR-ORAI	2	0	472	0.0	15.2	-15.2	
7	765 kV	GWALIOR-ORAI	1	849	0	15.2	0.0	15.2	
8	765 kV	SATNA-ORAI	1	0	981	0.0	20.6	-20.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	1710	0	34.8	0.0	34.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2116	0.0	35.3	-35.3	
11	400 kV	ZERDA-KANKROLI	1	404	0	8.5	0.0	8.5	
12	400 kV	ZERDA-BHINMAL	1	589	0	11.6	0.0	11.6	
13	400 kV	VINDHYACHAL-RIHAND	1	965	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUJALPUR	2	194	122	0.2	0.2	0.2	
15	220 kV	BHANPUR-RANPUR	1	67	0	0.9	0.0	0.9	
16	220 kV	BHANPUR-MORAK	1	0	30	1.9	0.0	1.9	
17	220 kV	MEHGAON-AURAIYA	1	112	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	82	0	1.7	0.0	1.7	
19	132 kV	GWALIOR-SAWALMADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	110.2	138.2	-28.0
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	414	0.0	9.7	-9.7	
2	HVDC	RAIGARH-PUGALUR	2	708	0	11.9	0.0	11.9	
3	765 kV	SOLAPUR-RAICHUR	2	1251	1647	0.0	9.1	-9.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	1654	0.0	26.2	-26.2	
5	400 kV	KOLHAPUR-KUDGI	2	1309	0	18.6	0.0	18.6	
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	1	79	1.2	0.0	1.2	
						WR-SR	31.6	45.0	-13.4

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	467	0	404	9.7
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	1063	0	1010	24.3
	ER	132kV GELEPHU-SALAKATI	21	13	17	0.4
	NER	132kV MOTANGA-RANGIA	44	23	34	0.8
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-3	-1	-1	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	47	2	18	0.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-738	-728	-730	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-136	0	-121	-2.9