



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: 27th 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 26.10.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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: 27-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)	46629	53873	42402	21827	2818	167549
Peak Shortage (MW)	200	0	0	175	0	375
Energy Met (MU)	930	1227	950	448	51	3605
Hydro Gen (MU)	193	52	146	107	18	516
Wind Gen (MU)	4	29	27	-	-	60
Solar Gen (MU)*	63.59	39.50	97.19	4.75	0.24	205
Energy Shortage (MU)	5.67	0.00	0.00	1.54	0.00	7.21
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47610	55102	44490	21988	2926	170227
Time Of Maximum Demand Met (From NLDC SCADA)	18:39	11:34	11:23	18:52	17:58	18:39

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	0.040	0.00	0.24	5.06	5.30	70.56	24.14

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	5964	0	117.1	65.4	-2.7	115	0.00
	Haryana	6222	0	127.3	88.2	-0.5	131	0.00
	Rajasthan	11290	0	219.6	64.9	1.0	506	0.00
	Delhi	3482	0	68.2	55.9	-0.2	153	0.01
	UP	15714	0	274.7	113.8	-0.7	548	2.21
	Uttarakhand	1749	0	33.8	17.7	-0.3	217	0.00
	HP	1689	0	36.3	15.8	-0.8	170	0.00
	J&K(UT) & Ladakh(UT)	2598	200	49.6	38.8	1.3	344	3.45
WR	Chandigarh	174	0	3.1	4.5	-1.4	0	0.00
	Chhattisgarh	4005	0	88.4	30.7	-0.8	172	0.00
	Gujarat	17151	0	382.1	219.1	1.5	811	0.00
	MP	10014	0	205.7	132.9	-1.6	367	0.00
	Maharashtra	22773	0	492.3	175.9	-2.1	726	0.00
	Goa	619	0	13.3	11.9	0.7	41	0.00
	DD	355	0	7.9	7.5	0.4	90	0.00
	DNH	854	0	19.8	19.9	-0.1	37	0.00
SR	AMNSIL	821	0	17.9	9.6	-0.1	289	0.00
	Andhra Pradesh	9119	0	190.2	74.8	1.7	392	0.00
	Telangana	9455	0	192.7	40.7	-1.6	344	0.00
	Karnataka	8814	0	180.4	52.9	-2.5	362	0.00
	Kerala	3605	0	73.9	36.6	-0.8	217	0.00
	Tamil Nadu	14589	0	304.4	189.8	3.7	811	0.00
	Puducherry	397	0	8.3	8.6	-0.4	25	0.00
	ER	Bihar	5003	0	92.2	85.7	0.0	271
DVC		3174	0	67.4	-34.5	-0.3	414	0.30
Jharkhand		1501	142	26.3	22.4	-2.1	219	1.10
Odisha		5763	0	116.5	46.2	0.1	300	0.00
West Bengal		7578	0	143.7	14.2	1.2	369	0.00
Sikkim		100	0	1.5	1.6	-0.1	27	0.00
NER	Arunachal Pradesh	139	0	2.3	2.0	0.1	38	0.00
	Assam	1783	0	31.0	23.6	0.2	93	0.00
	Manipur	194	0	2.6	2.5	0.0	65	0.00
	Meghalaya	341	0	6.1	2.9	0.3	46	0.00
	Mizoram	110	0	1.6	1.3	-0.2	11	0.00
	Nagaland	127	0	2.4	2.1	0.0	25	0.00
	Tripura	275	0	4.6	3.5	-0.3	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	37.1	0.4	-20.4
Day Peak (MW)	1783.0	47.0	-855.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	153.0	-71.3	71.1	-149.7	-3.1	0.0
Actual(MU)	136.2	-57.8	80.9	-160.5	-2.6	-3.9
OD/UD(MU)	-16.8	13.4	9.7	-10.8	0.5	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6918	15660	7912	1760	555	32804	43
State Sector	11541	17476	9961	3895	11	42883	57
Total	18459	33135	17873	5655	566	75687	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	471	1119	465	520	11	2586	70
Lignite	24	8	48	0	0	81	2
Hydro	193	52	146	107	18	516	14
Nuclear	32	33	68	0	0	133	4
Gas, Naptha & Diesel	16	26	9	0	29	80	2
RES (Wind, Solar, Biomass & Others)	79	69	147	5	0	301	8
Total	815	1307	884	631	59	3696	100

Share of RES in total generation (%)	9.73	5.27	16.67	0.75	0.41	8.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	37.27	11.76	40.89	17.73	31.93	25.69

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.011
Based on State Max Demands	1.043

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: 27-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	300	0.0	7.2	-7.2	
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	2	70	684	0.0	5.8	-5.8	
4	765 kV	SASARAM-FATEHPUR	1	0	432	0.0	5.3	-5.3	
5	765 kV	GAYA-BALIA	1	0	440	0.0	7.7	-7.7	
6	400 kV	PUSAULL-VARANASI	1	0	162	0.0	3.4	-3.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	153	0.0	2.9	-2.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	748	0.0	11.7	-11.7	
9	400 kV	PATNA-BALIA	4	0	800	0.0	14.3	-14.3	
10	400 kV	BIHARSHARIFF-BALIA	2	0	490	0.0	6.4	-6.4	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	461	0.0	7.6	-7.6	
12	400 kV	BIHARSHARIFF-VARANASI	2	9	324	0.0	2.8	-2.8	
13	220 kV	PUSAULI-SAHUPURI	1	4	92	0.0	1.2	-1.2	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
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-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	82.4	-82.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	938	0	8.8	0.0	8.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	368	833	0.0	3.7	-3.7	
3	765 kV	JHARSUGUDA-DURG	2	15	271	0.0	2.5	-2.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	479	0.0	5.2	-5.2	
5	400 kV	RANCHI-SIPAT	2	99	232	0.0	1.2	-1.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	5	115	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	188	0	2.8	0.0	2.8	
						ER-WR	11.6	13.9	-2.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	437	0.0	9.7	-9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1937	0.0	46.9	-46.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2779	0.0	49.0	-49.0	
4	400 kV	TALCHER-IC	2	0	613	0.0	13.1	-13.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	105.6	-105.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	37	260	0.0	2.7	-2.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	10	459	0.0	5.1	-5.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	88	0.0	1.3	-1.3	
						ER-NER	0.0	9.2	-9.2
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	13.0	-13.0	
						NER-NR	0.0	13.0	-13.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	323	0.0	7.7	-7.7	
2	HVDC	VINDHYACHAL B/B	-	451	0	10.7	0.0	10.7	
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	150	0.0	3.7	-3.7	
4	765 kV	GWALIOR-AGRA	2	0	1402	0.0	22.8	-22.8	
5	765 kV	GWALIOR-PHAGI	2	0	1992	0.0	34.9	-34.9	
6	765 kV	JABALPUR-ORAI	2	0	526	0.0	18.7	-18.7	
7	765 kV	GWALIOR-ORAI	1	1026	0	16.2	0.0	16.2	
8	765 kV	SATNA-ORAI	1	0	1011	0.0	20.6	-20.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	1650	0	28.0	0.0	28.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2142	0.0	39.6	-39.6	
11	400 kV	ZERDA-KANKROLI	1	431	0	7.5	0.0	7.5	
12	400 kV	ZERDA-BHINMAL	1	480	0	8.5	0.0	8.5	
13	400 kV	VINDHYACHAL-RIHAND	1	967	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUALPUR	2	173	197	0.0	0.4	-0.4	
15	220 kV	BHANPURA-RANPUR	1	73	0	0.7	0.0	0.7	
16	220 kV	BHANPURA-MORAK	1	0	30	1.7	0.0	1.7	
17	220 kV	MEHGAON-AURAIYA	1	109	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	77	0	1.5	0.0	1.5	
19	132 kV	GWALIOR-SAWAI MADHOPUR	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	97.6	148.4	-50.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	711	0.0	9.7	-9.7	
2	HVDC	RAIGARH-PUGALUR	2	578	0	14.8	0.0	14.8	
3	765 kV	SOLAPUR-RAICHUR	2	1261	2039	0.0	9.1	-9.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	1950	0.0	26.2	-26.2	
5	400 kV	KOLHAPUR-KUDGI	2	1389	0	20.5	0.0	20.5	
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	76	0.4	0.0	0.4	
						WR-SR	35.7	45.0	-9.2

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)	471	0	397	9.5
	ER	400kV TALA-BINAGURI 1,2,4 & 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1002	868	870	20.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	242	0	223	5.4
	NER	132kV GELEPHU-SALAKATI	22	13	19	0.5
	NER	132kV MOTANGA-RANGIA	46	26	37	0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	47	0	18	0.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-731	-727	-730	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-124	0	-120	-2.9