



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रिड कंट्रोलर ऑफ इंडिया 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: GRID-INDIA/NLDC/SO/Daily PSP Report

दिनांक: 26.11.2024

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 25.11.2024.

महोदय/Dear Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 25-नवंबर-2024 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है।

As per article 38(1) of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 25.11.2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 26-Nov-2024

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)	52022	60702	43599	20686	2580	179589
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1132	1458	1065	422	47	4124
Hydro Gen (MU)	110	39	97	25	16	287
Wind Gen (MU)	7	66	53	-	-	126
Solar Gen (MU)*	134.34	87.93	100.66	2.84	0.98	327
Energy Shortage (MU)	0.44	0.47	0.00	0.04	0.00	0.95
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59010	71643	52768	21539	2807	203846
Time Of Maximum Demand Met	10:14	09:55	09:54	17:48	17:12	09:55

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	0.053	0.28	2.57	8.04	10.89	75.94	13.17

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	7694	0	141.6	53.5	-0.2	524	0.00
	Haryana	7543	0	143.1	107.8	-1.5	257	0.00
	Rajasthan	17298	0	320.6	112.4	1.1	917	0.00
	Delhi	3811	0	69.7	69.9	-1.6	257	0.00
	UP	17233	0	316.3	110.6	-1.2	396	0.00
	Uttarakhand	2137	0	40.4	31.1	0.6	92	0.00
	HP	1990	0	35.2	27.2	-1.0	134	0.00
	J&K(UT) & Ladakh(UT)	2772	0	57.2	51.2	0.5	117	0.44
	Chandigarh	199	0	3.5	3.5	0.1	54	0.00
Railways_NR ISTS	202	0	4.2	3.9	0.4	35	0.00	
WR	Chhattisgarh	4331	0	88.5	42.5	0.5	229	0.00
	Gujarat	21451	0	413.5	199.8	-2.0	811	0.00
	MP	17409	200	331.3	206.9	-0.3	1186	0.47
	Maharashtra	26368	0	551.4	204.0	-3.8	556	0.00
	Goa	671	0	13.4	12.9	-0.1	65	0.00
	DNHDDPDCL	1302	0	29.2	29.3	-0.1	47	0.00
	AMNSIL	822	0	18.4	9.0	0.2	263	0.00
	BALCO	528	0	12.6	12.7	-0.1	4	0.00
SR	Andhra Pradesh	10200	0	201.0	58.0	-0.9	537	0.00
	Telangana	10535	0	196.2	92.5	0.1	635	0.00
	Karnataka	14206	0	249.2	74.9	0.4	603	0.00
	Kerala	4406	0	86.3	66.3	1.5	753	0.00
	Tamil Nadu	15959	0	323.2	196.4	-0.1	1537	0.00
	Puducherry	417	0	9.0	8.8	-0.3	34	0.00
ER	Bihar	4420	0	81.8	69.8	0.5	325	0.04
	DVC	3168	0	63.2	-48.8	-0.1	373	0.00
	Jharkhand	2011	0	37.0	24.8	-1.1	393	0.00
	Odisha	5186	0	102.3	30.3	-2.2	420	0.00
	West Bengal	6944	0	136.3	16.2	-1.3	289	0.00
	Sikkim	110	0	1.6	1.7	-0.1	22	0.00
Railways_ER ISTS	7	0	0.1	0.2	0.0	5	0.00	
NER	Arunachal Pradesh	136	0	2.2	2.5	-0.5	5	0.00
	Assam	1607	0	26.6	19.1	0.4	195	0.00
	Manipur	219	0	3.1	3.1	0.0	32	0.00
	Meghalaya	355	0	6.5	5.8	-0.1	35	0.00
	Mizoram	143	0	2.0	1.8	-0.2	22	0.00
	Nagaland	174	0	2.4	2.3	-0.1	19	0.00
Tripura	234	0	3.9	4.9	0.1	48	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-1.1	3.2	-23.2	-12.3
Day Peak (MW)	-56.0	354.6	-1001.0	-968.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	214.3	-128.8	126.8	-213.4	1.2	0.0
Actual(MU)	208.0	-125.9	123.7	-213.3	0.2	-7.3
O/D/U/D(MU)	-6.3	3.0	-3.1	0.2	-1.0	-7.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4962	13381	6588	3638	655	29223	48
State Sector	8668	11214	9474	2299	339	31994	52
Total	13630	24595	16062	5937	994	61218	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	666	1436	606	691	10	3409	76
Lignite	23	10	44	0	0	77	2
Hydro	110	39	97	25	16	287	6
Nuclear	31	53	76	0	0	160	4
Gas, Naptha & Diesel	1	11	6	0	24	43	1
RES (Wind, Solar, Biomass & Others)	167	158	182	6	1	514	11
Total	998	1707	1011	721	51	4489	100
Share of RES in total generation (%)	16.71	9.25	18.01	0.81	1.95	11.44	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.88	14.61	35.14	4.21	33.44	21.40	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.050

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	203846	9:55	0
Non-Solar hr	192135	18:14	189

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

**Note: All generation MU figures are gross

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

*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-Nov-2024

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	7.6	-7.6
2	HVDC	PUSAULI B/B	-	0	303	0.0	6.6	-6.6
3	765 kV	GAYA-VARANASI	2	0	1162	0.0	16.9	-16.9
4	765 kV	SASARAM-FATEHPUR	1	0	526	0.0	7.3	-7.3
5	765 kV	GAYA-BALIA	1	0	815	0.0	13.9	-13.9
6	400 kV	PUSAULI-VARANASI	1	0	204	0.0	3.9	-3.9
7	400 kV	PUSAULI-ALLAHABAD	1	0	155	0.0	2.7	-2.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	452	0.0	7.3	-7.3
9	400 kV	PATNA-BALIA	2	0	858	0.0	14.0	-14.0
10	400 kV	NAUBATPUR-BALIA	2	0	343	0.0	5.4	-5.4
11	400 kV	BIHARSHARIFF-BALIA	2	69	132	0.0	1.2	-1.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	470	0.0	7.3	-7.3
13	400 kV	BIHARSHARIFF-VARANASI	2	0	405	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	0	109	0.0	0.6	-0.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						0.6	94.9	-94.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	163	812	0.0	8.7	-8.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	203	1155	0.0	6.2	-6.2
3	765 kV	JHARSUGUDA-DURG	2	0	833	0.0	15.0	-15.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	748	0.0	11.3	-11.3
5	400 kV	RANCHI-SIPAT	2	0	464	0.0	4.3	-4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	11	88	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	2	38	166	0.0	1.6	-1.6
ER-WR						0.0	48.2	-48.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	376	0.0	8.8	-8.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1690	0.0	34.0	-34.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2935	0.0	55.3	-55.3
4	400 kV	TALCHER-I/C	2	604	0	8.5	0.0	8.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	98.1	-98.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	406	0.0	6.0	-6.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	700	0.0	9.1	-9.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	104	0.0	1.2	-1.2
ER-NER						0.0	16.3	-16.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	654	0.0	15.7	-15.7
NER-NR						0.0	15.7	-15.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1539	0.0	28.1	-28.1
2	HVDC	VINDHYACHAL B/B	-	0	104	0.0	2.4	-2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1446	0.0	24.8	-24.8
4	765 kV	GWALIOR-AGRA	2	0	1425	0.0	18.1	-18.1
5	765 kV	GWALIOR-PHAGI	2	293	2118	0.4	25.9	-25.5
6	765 kV	JABALPUR-ORAI	2	0	831	0.0	24.9	-24.9
7	765 kV	GWALIOR-ORAI	1	937	0	14.3	0.0	14.3
8	765 kV	SATNA-ORAI	1	0	891	0.0	17.2	-17.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1359	5	14.1	0.0	14.1
10	765 kV	VINDHYACHAL-VARANASI	2	146	1325	0.0	18.6	-18.6
11	400 kV	ZERDA-KANKROLI	1	268	22	2.5	0.0	2.5
12	400 kV	ZERDA -BHINMAL	1	189	10	1.8	0.0	1.8
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	579	240	3.1	0.9	2.2
15	400 kV	NEEMUCH-Chittorgarh	2	576	243	3.0	1.0	2.0
16	220 kV	BHANPURA-RANPUR	1	0	195	0.0	3.2	-3.2
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1
18	220 kV	MEHGAON-AURAIYA	1	136	0	1.8	0.0	1.8
19	220 kV	MALANPUR-AURAIYA	1	101	0	1.2	0.0	1.2
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						64.0	167.0	-103.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	307	0.0	7.2	-7.2
2	HVDC	RAIGARH-PUGALUR	2	0	605	0.0	14.5	-14.5
3	765 kV	SOLAPUR-RAICHUR	2	717	1312	1.5	10.3	-8.8
4	765 kV	WARDHA-NIZAMABAD	2	0	1876	0.0	29.5	-29.5
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2059	0.0	32.5	-32.5
6	400 kV	KOLHAPUR-KUDGI	2	1320	0	19.3	0.0	19.3
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	125	2.3	0.0	2.3
WR-SR						23.2	94.0	-70.8

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)	145	0	49	1.18
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	203	-26	98	2.34
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-221	-140	-201	-4.81
	NER	132kV GELEPHU-SALAKATI	7	-8	0	0.01
	NER	132kV MOTANGA-RANGIA	3	-14	6	0.14
NEPAL	NR	NEPAL IMPORT (FROM UP)	-1	0	0	0.00
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	47	0	25	0.59
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	308	5	110	2.65
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-931	0	-921	-22.10
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-968	-200	-512	-12.29
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-70	0	-48	-1.14

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 26-Nov-2024

Export From India (in MU)

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.00	1.25	0.00	0.00	1.13	0.00	0.00	2.38
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	23.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.09
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	23.09	0.00	1.25	0.00	0.00	1.13	0.00	0.00	25.47

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
Nepal	0.00	0.00	0.00	0.00	0.00	3.14	0.00	0.00	3.14
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	0.86	0.00	0.00	0.00	0.00	3.14	0.00	0.00	4.00

Net from India(in MU)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.86	0.00	-1.25	0.00	0.00	-1.13	0.00	0.00	-1.52
Nepal	0.00	0.00	0.00	0.00	0.00	3.14	0.00	0.00	3.14
Bangladesh	-23.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.09
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-22.23	0.00	-1.25	0.00	0.00	2.01	0.00	0.00	-21.47

