



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रीड 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: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 03.11.2024

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 02.11.2024.

महोदय/Dear Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 2-नवंबर-2024 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 02.11.2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 03-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)	47611	50182	40998	24507	2860	166158
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1086	1185	979	516	52	3818
Hydro Gen (MU)	140	27	124	50	25	366
Wind Gen (MU)	9	23	26	-	-	58
Solar Gen (MU)*	156.93	98.95	112.35	3.17	0.83	372
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51363	51900	46844	25889	3073	173372
Time Of Maximum Demand Met	09:57	18:43	10:30	17:45	17:26	18:27

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	0.037	0.00	0.00	0.98	0.98	74.79	24.22

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	5665	0	117.8	58.5	-0.8	443	0.00
	Haryana	6000	0	125.2	86.7	-2.2	227	0.00
	Rajasthan	14432	0	286.0	96.6	-0.9	812	0.00
	Delhi	3435	0	72.8	65.5	-1.9	82	0.00
	UP	17362	0	372.1	143.5	0.6	331	0.00
	Uttarakhand	1667	0	31.9	19.9	-0.1	126	0.00
	HP	1400	0	25.8	12.5	-0.4	265	0.00
	J&K(UT) & Ladakh(UT)	2529	0	47.0	40.2	-0.1	197	0.00
	Chandigarh	174	0	3.3	3.5	-0.2	21	0.00
Railways NR ISTS	187	0	4.1	4.0	0.0	19	0.00	
WR	Chhattisgarh	4139	0	91.9	31.7	0.2	315	0.00
	Gujarat	12464	0	278.5	154.3	0.7	842	0.00
	MP	13172	0	264.8	166.9	-2.3	521	0.00
	Maharashtra	21308	0	482.3	196.5	3.5	677	0.00
	Goa	699	0	14.5	13.9	0.3	51	0.00
	DNHDDPDCL	944	0	20.6	20.1	0.5	38	0.00
	AMNSIL	905	0	20.0	9.3	0.4	284	0.00
	BALCO	526	0	12.6	12.7	-0.1	3	0.00
SR	Andhra Pradesh	10618	0	214.5	78.8	0.5	365	0.00
	Telangana	9510	0	199.8	78.7	0.5	457	0.00
	Karnataka	10315	0	193.9	68.3	0.8	550	0.00
	Kerala	3902	0	82.4	62.9	1.3	308	0.00
	Tamil Nadu	13510	0	279.1	157.5	-0.6	661	0.00
	Puducherry	421	0	9.3	8.9	-0.3	23	0.00
ER	Bihar	5895	0	115.9	106.3	-0.3	364	0.00
	DVC	3253	0	65.5	-27.2	1.1	275	0.00
	Jharkhand	1978	0	39.9	27.7	-1.3	114	0.00
	Odisha	6072	0	112.8	44.3	-1.7	1079	0.00
	West Bengal	9008	0	180.4	50.9	-1.6	627	0.00
	Sikkim	64	0	0.9	1.1	-0.2	7	0.00
	Railways ER ISTS	10	0	0.2	0.2	0.0	0	0.00
NER	Arunachal Pradesh	165	0	2.6	2.5	-0.1	20	0.00
	Assam	1808	0	30.9	23.8	0.2	168	0.00
	Manipur	214	0	2.9	3.0	-0.2	21	0.00
	Meghalaya	347	0	6.1	4.4	-0.1	186	0.00
	Mizoram	132	0	1.9	1.3	-0.2	6	0.00
	Nagaland	169	0	2.6	2.4	0.0	16	0.00
Tripura	265	0	5.5	6.4	0.1	25	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	11.9	10.6	-23.5	-17.4
Day Peak (MW)	748.0	518.1	-1021.0	-726.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	148.1	-164.8	135.5	-116.7	-2.1	0.0
Actual(MU)	142.0	-146.6	123.2	-119.6	-3.9	-5.0
O/D/U/D(MU)	-6.1	18.2	-12.4	-2.9	-1.9	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4390	9906	6248	3176	255	23974	41
State Sector	7363	15802	9171	2509	230	35075	59
Total	11753	25708	15419	5685	484	59049	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	636	1209	507	639	12	3003	73
Lignite	25	18	50	0	0	93	2
Hydro	140	27	124	50	25	366	9
Nuclear	35	48	76	0	0	160	4
Gas, Naptha & Diesel	9	11	5	0	23	49	1
RES (Wind, Solar, Biomass & Others)	173	124	159	5	1	461	11
Total	1018	1437	922	694	61	4132	100

Share of RES in total generation (%)	16.94	8.61	17.28	0.70	1.39	11.16
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.16	13.85	38.99	7.90	42.32	23.89

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.032
Based on State Max Demands	1.065

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	170738	10:30	0
Non-Solar hr	173372	18:27	0

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 -> 07:00 to 17:00hrs 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: 03-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	301	0.0	7.0	-7.0
2	HVDC	PUSAULI B/B	-	0	297	0.0	6.9	-6.9
3	765 kV	GAYA-VARANASI	2	620	800	0.0	5.7	-5.7
4	765 kV	SASARAM-FATEHPUR	1	291	327	0.0	1.8	-1.8
5	765 kV	GAYA-BALIA	1	0	481	0.0	7.7	-7.7
6	400 kV	PUSAULI-VARANASI	1	0	264	0.0	4.9	-4.9
7	400 kV	PUSAULI-ALLAHABAD	1	0	126	0.0	2.3	-2.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	303	402	0.0	2.7	-2.7
9	400 kV	PATNA-BALIA	2	162	794	0.0	9.9	-9.9
10	400 kV	NAUBATPUR-BALIA	2	88	246	0.0	3.0	-3.0
11	400 kV	BIHARSHARIFF-BALIA	2	255	70	2.6	0.0	2.6
12	400 kV	MOTIHARI-GORAKHPUR	2	112	381	0.0	4.5	-4.5
13	400 kV	BIHARSHARIFF-VARANASI	2	174	234	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	0	87	0.3	0.0	0.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
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-CHANDALI	1	0	0	0.0	0.0	0.0
ER-NR						3.3	56.4	-53.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1186	97	8.1	0.0	8.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1408	555	8.6	0.0	8.6
3	765 kV	JHARSUGUDA-DURG	2	0	728	0.0	10.8	-10.8
4	400 kV	JHARSUGUDA-RAIGARH	4	201	430	0.0	4.0	-4.0
5	400 kV	RANCHI-SIPAT	2	329	245	0.4	0.0	0.4
6	220 kV	BUDHIPADAR-RAIGARH	1	32	85	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	175	22	1.9	0.0	1.9
ER-WR						18.9	15.4	3.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	527	0.0	12.6	-12.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1497	0.0	36.1	-36.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2531	0.0	43.7	-43.7
4	400 kV	TALCHER-I/C	2	330	539	1.8	0.0	1.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	92.4	-92.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	498	0.0	7.3	-7.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	735	0.0	10.1	-10.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	134	0.0	1.9	-1.9
ER-NER						0.0	19.2	-19.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1005	0.0	24.2	-24.2
NER-NR						0.0	24.2	-24.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	356	0.0	8.1	-8.1
2	HVDC	VINDHYACHAL B/B	-	546	0	7.3	0.0	7.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	496	0.0	12.2	-12.2
4	765 kV	GWALIOR-AGRA	2	0	1068	0.0	14.3	-14.3
5	765 kV	GWALIOR-PHAGI	2	1164	1509	5.0	20.1	-15.1
6	765 kV	JABALPUR-ORAI	2	0	667	0.0	19.7	-19.7
7	765 kV	GWALIOR-ORAI	1	776	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	852	0.0	15.8	-15.8
9	765 kV	BANASKANTHA-CHITTOGARH	2	846	0	13.1	0.0	13.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2029	0.0	31.4	-31.4
11	400 kV	ZERDA-KANKROLI	1	197	0	3.6	0.0	3.6
12	400 kV	ZERDA -BHINMAL	1	136	0	2.5	0.0	2.5
13	400 kV	VINDHYACHAL -RIHAND	1	0	1	0.0	0.0	0.0
14	400 kV	RAPP-SHUJALPUR	2	661	105	4.5	0.3	4.2
15	400 kV	NEEMUCH-Chittorgarh	2	0	0	3.6	0.0	3.6
16	220 kV	BHANPURA-RANPUR	1	0	112	0.0	2.0	-2.0
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1
18	220 kV	MEHGAON-AURAIYA	1	100	0	1.4	0.0	1.4
19	220 kV	MALANPUR-AURAIYA	1	70	0	0.8	0.0	0.8
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						53.3	126.0	-72.6
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	1008	0.0	21.7	-21.7
3	765 kV	SOLAPUR-RAICHUR	2	779	851	3.4	4.5	-1.1
4	765 kV	WARDHA-NIZAMABAD	2	0	1854	0.0	25.4	-25.4
5	765 kV	WARORA-WARANGAL(NEW)	2	640	126	4.2	35.7	-31.5
6	400 kV	KOLHAPUR-KUDGI	2	1000	0	14.9	0.0	14.9
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	1	114	1.7	0.0	1.7
WR-SR						24.3	94.5	-70.2

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)	300	217	262	6.29	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	276	174	217	5.21	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-73	-30	-49	-1.18	
	NER	132kV GELEPHU-SALAKATI	94	0	39	0.93	
	NER	132kV MOTANGA-RANGIA	74	0	27	0.64	
NEPAL	NR	NEPAL IMPORT (FROM UP)	0	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	68	0	64	1.53	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	450	282	378	9.08	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-940	-792	-919	-22.05	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-727	-700	-726	-17.44	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-81	0	-62	-1.48	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 03-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	22.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.84
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	22.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.84

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
		IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	10.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.71
Nepal	0.00	0.00	0.00	0.00	0.00	10.20	0.00	0.00	10.20
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	10.71	0.00	0.00	0.00	0.00	10.20	0.00	0.00	20.91

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	10.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.71
Nepal	0.00	0.00	0.00	0.00	0.00	10.20	0.00	0.00	10.20
Bangladesh	-22.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.84
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-12.13	0.00	0.00	0.00	0.00	10.20	0.00	0.00	-1.93