



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: 27<sup>th</sup> December 2022

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 26.12.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26- दिसंबर -2022 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 26<sup>th</sup> December 2022, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 27-Dec-2022

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)	55518	57141	41691	19695	2559	176604
Peak Shortage (MW)	20	0	0	375	0	395
Energy Met (MU)	1142	1410	965	409	46	3972
Hydro Gen (MU)	121	46	89	29	11	296
Wind Gen (MU)	19	93	56	-	-	168
Solar Gen (MU)*	103.06	48.39	75.13	2.15	0.32	229
Energy Shortage (MU)	14.44	0.00	0.00	2.77	0.00	17.21
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57293	69993	49980	21189	2701	196582
Time Of Maximum Demand Met (From NLDC SCADA)	12:06	10:46	12:43	18:44	17:37	11:28

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	0.164	10.00	1.20	10.06	11.26	53.20	35.54

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	7634	0	144.4	36.7	-1.3	120	0.00	
	Haryana	7695	225	141.8	97.6	0.4	187	1.45	
	Rajasthan	16220	54	304.0	117.3	-1.8	213	10.85	
	Delhi	4691	0	78.8	71.9	-2.4	125	0.00	
	UP	18383	20	330.7	90.3	-1.5	258	0.53	
	Uttarakhand	2218	0	41.1	28.9	0.3	227	1.46	
	HP	1947	0	35.3	27.6	0.4	175	0.00	
	J&K(UT) & Ladakh(UT)	2869	0	61.9	59.5	-2.1	50	0.15	
	Chandigarh	272	0	4.5	4.5	0.0	44	0.00	
	WR	Chhattisgarh	4670	0	101.4	51.3	-1.2	155	0.00
Gujarat		19708	0	383.1	201.6	-4.5	466	0.00	
MP		16991	0	324.2	186.1	-0.1	435	0.00	
Maharashtra		26019	0	533.0	165.4	-0.2	698	0.00	
Goa		652	0	12.8	12.1	0.1	56	0.00	
DNHDDPDCL		1198	0	27.0	27.1	-0.1	35	0.00	
AMNSIL		766	0	16.0	8.9	0.8	323	0.00	
BALCO		514	0	12.2	12.2	0.0	0	0.00	
SR		Andhra Pradesh	9082	0	179.2	84.8	-2.6	592	0.00
		Telangana	13197	0	220.8	95.1	-1.7	848	0.00
	Karnataka	11526	0	203.9	78.6	-1.5	825	0.00	
	Kerala	3820	0	76.3	53.1	-0.3	170	0.00	
	Tamil Nadu	13876	0	276.3	151.8	-6.9	596	0.00	
ER	Puducherry	390	0	8.6	8.1	-0.2	41	0.00	
	Bihar	4944	0	86.2	75.7	-0.9	159	0.00	
	DVC	3435	0	71.6	40.8	0.0	406	0.00	
	Jharkhand	1542	139	27.6	22.0	-2.9	143	2.77	
	Odisha	5292	0	101.8	36.0	-0.5	382	0.00	
	West Bengal	6485	0	120.2	40.3	-1.9	264	0.00	
	Sikkim	115	0	1.8	2.0	-0.1	20	0.00	
NER	Arumachal Pradesh	143	0	2.4	2.2	0.0	52	0.00	
	Assam	1504	0	25.4	19.8	-1.1	119	0.00	
	Manipur	237	0	3.4	3.6	-0.2	35	0.00	
	Meghalaya	372	0	7.2	6.0	-0.1	26	0.00	
	Mizoram	110	0	1.8	1.7	-0.3	8	0.00	
	Nagaland	138	0	2.3	2.2	-0.1	11	0.00	
	Tripura	239	0	3.7	1.9	-0.3	19	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	1.1	-5.2	-20.8
Day Peak (MW)	30.6	-414.1	-1043.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	188.2	-145.1	135.2	-175.8	-2.5	0.0
Actual(MU)	189.0	-139.3	130.3	-180.7	-4.1	-4.9
OD/UD(MU)	0.8	5.8	-4.9	-4.9	-1.7	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6672	11961	8228	1360	685	28906	47
State Sector	8295	13564	8573	1870	98	32399	53
Total	14967	25524	16801	3230	783	61305	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	722	1396	548	621	15	3303	77
Lignite	28	12	24	0	0	64	1
Hvdro	122	47	90	29	11	298	7
Nuclear	21	37	71	0	0	129	3
Gas, Naptha & Diesel	15	7	6	0	31	59	1
RES (Wind, Solar, Biomass & Others)	145	143	156	2	0	447	10
Total	1053	1643	895	653	56	4300	100
Share of RES in total generation (%)	13.74	8.73	17.45	0.33	0.57	10.39	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.29	13.82	35.35	4.83	19.83	20.31	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.063

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-Dec-2022

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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	2	0	349	0.0	8.3	-8.3	
3	765 kV	GAYALYARANASI	2	0	935	0.0	14.3	-14.3	
4	765 kV	SASARAM-FATEHPUR	1	3	500	0.0	3.9	-3.9	
5	765 kV	GAYA-BALIA	1	0	658	0.0	10.3	-10.3	
6	400 kV	PUSAULI-VARANASI	1	0	210	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	225	0.0	4.0	-4.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1025	0.0	15.5	-15.5	
9	400 kV	PATNA-BALIA	2	0	619	0.0	11.7	-11.7	
10	400 kV	NAUBATPUR-BALIA	2	0	723	0.0	12.5	-12.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	451	0.0	5.9	-5.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	647	0.0	11.0	-11.0	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	490	0.0	6.9	-6.9	
14	220 kV	SINPUR-BIKARANMANA	1	39	199	0.0	2.1	-2.1	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-SAHUPURI	1	0	24	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	110.6	-110.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1214	296	4.4	0.0	4.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	435	692	0.0	2.0	-2.0	
3	765 kV	JHARSUGUDA-DURG	2	0	602	0.0	9.7	-9.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	614	0.0	9.3	-9.3	
5	400 kV	RANCHI-SIPAT	2	87	327	0.0	2.7	-2.7	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	136	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	68	101	0.0	0.9	-0.9	
						ER-WR	4.4	26.8	-22.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	540	0.0	9.3	-9.3	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	41.8	-41.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3422	0.0	53.4	-53.4	
4	400 kV	TALCHER-T/C	2	156	870	0.0	10.3	-10.3	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	104.5	-104.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	201	0	3.3	0.0	3.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	622	0	11.7	0.0	11.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	54	5	0.9	0.0	0.9	
						ER-NER	15.9	0.0	15.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	473	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1017	0.0	24.7	-24.7	
2	HVDC	VINDHYACHAL B/B	2	245	0	6.1	0.0	6.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	1446	0	28.8	0.0	28.8	
4	765 kV	GWALIOR-AGRA	2	0	2023	0.0	26.5	-26.5	
5	765 kV	GWALIOR-PHAGI	2	0	2100	0.0	35.0	-35.0	
6	765 kV	JABALPUR-ORAI	2	0	1190	0.0	32.7	-32.7	
7	765 kV	GWALIOR-ORAI	1	1017	0	18.2	0.0	18.2	
8	765 kV	SATNA-ORAI	1	0	1177	0.0	20.2	-20.2	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	1153	1081	8.0	4.6	3.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2288	0.0	34.4	-34.4	
11	400 kV	ZERDA-KANKROLI	1	195	175	0.3	0.0	0.3	
12	400 kV	ZERDA-JBHINMAL	1	435	315	0.0	1.0	-1.0	
13	400 kV	VINDHYACHAL-RIHAND	1	950	0	21.3	0.0	21.3	
14	400 kV	RAPP-SHULIAPUR	2	198	751	0.5	6.0	-5.4	
15	220 kV	BHANUPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	1	0	30	0.0	1.7	-1.7	
17	220 kV	MEHGAON-AURAIYA	1	103	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	84	66	0.9	0.0	0.9	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	84.9	186.8	-101.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	693	617	7.9	1.7	6.2	
2	HVDC	RAIGARH-PUGALUR	2	0	3000	0.0	30.5	-30.5	
3	765 kV	SOLAPUR-RAICHUR	2	777	2347	1.3	11.9	-10.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	3560	0.0	45.0	-45.0	
5	400 kV	KOLHAPUR-KUDCI	2	1214	0	18.0	0.0	18.0	
6	220 kV	KOLHAPUR-CHIKODI	1	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	120	2.3	0.0	2.3	
						WR-SR	29.3	89.0	-59.7
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	0	0	0	-1.21			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	161	100	118	2.84			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.42			
	NER	132kV GELEPHU-SALAKATI	19	6	35	0.85			
NEPAL	NER	132kV MOTANGA-RANGIA	10	0	2	0.05			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-72	0	-60	-1.44			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-255	0	-123	-2.96			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-629	-777	-18.64			
BANGLADESH	NER	132kV COMILLA-SURAJMANJANAGAR 1&2	-116	0	-92	-2.20			