



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: 9th 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 08.12.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08- 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 08th 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: 09-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)	49738	55370	40192	19412	2617	167329
Peak Shortage (MW)	0	0	0	529	0	529
Energy Met (MU)	1087	1391	952	388	46	3864
Hydro Gen (MU)	129	38	80	32	12	291
Wind Gen (MU)	2	68	39	-	-	109
Solar Gen (MU)*	100.20	50.78	87.09	4.68	0.75	244
Energy Shortage (MU)	4.43	0.06	0.00	6.00	0.00	10.49
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54039	67139	48387	20311	2763	188331
Time Of Maximum Demand Met (From NLDC SCADA)	09:55	10:00	09:20	17:49	17:16	10:00

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	0.086	0.45	1.53	6.69	8.67	56.96	34.37

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	7443	0	141.9	42.6	-1.1	185	0.00
	Haryana	7345	0	138.9	69.9	-0.2	125	0.00
	Rajasthan	15967	0	302.7	107.9	0.6	151	2.51
	Delhi	3604	0	67.4	60.6	-1.4	127	0.00
	UP	15978	0	302.8	73.1	-0.7	409	0.00
	Uttarakhand	1913	150	37.2	26.2	0.6	174	1.28
	HP	1974	0	34.9	25.9	-0.1	80	0.00
	J&K(UT) & Ladakh(UT)	2703	0	58.1	53.5	-0.3	269	0.64
	Chandigarh	216	0	3.5	3.5	0.0	31	0.00
	WR	Chhattisgarh	4232	0	89.6	40.3	-0.1	217
Gujarat		19231	0	389.1	218.3	0.9	688	0.00
MP		15936	0	307.3	184.4	-2.4	656	0.00
Maharashtra		26276	0	546.4	169.9	1.0	748	0.00
Goa		645	0	12.5	12.0	-0.1	49	0.06
DNHDDPDCL		1203	0	27.7	28.0	-0.3	60	0.00
AMNSIL		821	0	18.0	10.9	0.6	259	0.00
SR	Andhra Pradesh	9400	0	183.1	70.0	-1.7	783	0.00
	Telangana	10773	0	183.6	58.9	-1.2	655	0.00
	Karnataka	12147	0	219.6	88.5	-1.3	704	0.00
	Kerala	3772	0	75.8	55.3	0.2	219	0.00
	Tamil Nadu	14064	0	283.1	180.3	-1.2	448	0.00
	Puducherry	348	0	7.0	6.6	-0.3	92	0.00
ER	Bihar	4508	0	78.1	66.7	-0.4	108	0.00
	DVC	3320	0	69.6	-43.6	-1.2	94	0.00
	Jharkhand	1538	0	26.3	20.1	0.6	238	6.00
	Odisha	5127	0	90.5	29.8	-1.8	169	0.00
	West Bengal	6815	0	121.6	-1.7	-1.9	186	0.00
NER	Sikkim	119	0	1.8	2.0	-0.1	7	0.00
	Arunachal Pradesh	141	0	2.4	2.2	0.1	27	0.00
	Assam	1576	0	26.1	19.8	-0.8	85	0.00
	Manipur	221	0	3.1	3.0	0.1	25	0.00
	Meghalaya	384	0	7.0	5.5	0.2	44	0.00
	Mizoram	131	0	1.8	1.7	-0.2	7	0.00
	Nagaland	152	0	2.3	2.1	0.0	22	0.00
	Tripura	226	0	3.7	1.8	-0.1	41	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	2.7	-0.6	-22.6
Day Peak (MW)	175.7	-281.0	-1025.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	154.0	-59.4	98.0	-191.3	-1.3	0.0
Actual(MU)	150.8	-51.6	94.8	-194.4	-2.6	-3.0
O/D/U/D(MU)	-3.2	7.8	-3.3	-3.0	-1.3	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8409	14106	7118	2510	844	32986	51
State Sector	7170	14667	7280	1995	121	31232	49
Total	15579	28772	14398	4505	964	64218	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	691	1287	515	580	10	3083	76
Lignite	28	15	48	0	0	91	2
Hydro	130	38	80	32	12	292	7
Nuclear	26	16	65	0	0	107	3
Gas, Naptha & Diesel	16	6	6	0	30	57	1
RES (Wind, Solar, Biomass & Others)	126	121	152	5	1	404	10
Total	1017	1481	866	617	53	4034	100

Share of RES in total generation (%)	12.36	8.16	17.58	0.77	1.43	10.02
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.75	11.77	34.36	5.93	24.38	19.92

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: 09-Dec-2022

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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	2	0	346	0.0	8.5	-8.5	
3	765 kV	GAYALYANASI	2	0	793	0.0	11.8	-11.8	
4	765 kV	SASARAM-FATEHPUR	1	0	487	0.0	7.7	-7.7	
5	765 kV	GAYA-BALIA	1	0	681	0.0	11.7	-11.7	
6	400 kV	PUSAULI-VARANASI	1	0	226	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	1	0	184	0.0	3.6	-3.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	763	0.0	11.4	-11.4	
9	400 kV	PATNA-BALIA	2	0	702	0.0	13.4	-13.4	
10	400 kV	NAUBATPUR-BALIA	2	0	767	0.0	14.5	-14.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	487	0.0	7.3	-7.3	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	521	0.0	9.4	-9.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	353	0.0	5.5	-5.5	
14	220 kV	SINHPUR-KARMANASA	1	0	130	0.0	1.7	-1.7	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	43	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	111.4	-111.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1051	304	8.0	0.0	8.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	402	996	0.0	5.8	-5.8	
3	765 kV	JHARSUGUDA-DURG	2	0	530	0.0	9.2	-9.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	511	0.0	6.1	-6.1	
5	400 kV	RANCHI-SIPAT	2	94	389	0.0	3.8	-3.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	137	0.0	1.7	-1.7	
7	220 kV	BUDHIPADAR-KORBA	2	92	95	0.1	0.0	0.1	
						ER-WR	8.1	26.6	-18.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	496	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1990	0.0	39.3	-39.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3086	0.0	54.1	-54.1	
4	400 kV	TALCHER-I/C	2	670	691	0.2	0.0	0.2	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	103.4	-103.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	329	0.0	4.6	-4.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	124	378	0.0	4.4	-4.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	51	0.0	0.7	-0.7	
						ER-NER	0.0	9.6	-9.6
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1022	0.0	23.6	-23.6	
2	HVDC	VINDHYACHAL B/B	2	45	0	1.2	0.0	1.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	977	0	0.0	19.0	-19.0	
4	765 kV	GWALIOR-AGRA	2	263	1047	0.5	10.4	-9.9	
5	765 kV	GWALIOR-PHAGI	2	0	1712	0.0	30.7	-30.7	
6	765 kV	JABALPUR-ORAI	2	0	758	0.0	20.2	-20.2	
7	765 kV	GWALIOR-ORAI	1	928	0	16.3	0.0	16.3	
8	765 kV	SATNA-ORAI	1	0	915	0.0	16.6	-16.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	2198	0	28.5	0.0	28.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2217	0.0	32.0	-32.0	
11	400 kV	ZERDA-KANKROLI	1	338	0	3.9	0.0	3.9	
12	400 kV	ZERDA-BHINMAL	1	482	130	3.5	0.0	3.5	
13	400 kV	VINDHYACHAL-RIHAND	1	965	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHULIAPUR	2	444	331	2.3	1.6	0.8	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	2	0	30	0.0	1.5	-1.5	
17	220 kV	MEHGAON-AURAIYA	1	161	0	1.4	0.0	1.4	
18	220 kV	MALANPUR-AURAIYA	1	129	0	2.0	0.0	2.0	
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	81.5	155.6	-74.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	987	0	22.9	0.0	22.9	
2	HVDC	RAIGARH-PUGALUR	2	720	2000	0.0	16.7	-16.7	
3	765 kV	SOLAPUR-RAICHUR	2	1118	2420	1.0	18.0	-17.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	3211	0.0	42.1	-42.1	
5	400 kV	KOLHAPUR-KUDCI	2	1293	0	16.9	0.0	16.9	
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	122	2.1	0.0	2.1	
						WR-SR	42.9	76.7	-33.8
INTERNATIONAL EXCHANGES									
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	-2.13			
		400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	189	122	165	4.24			
	NER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	51	13	33	0.79			
		132KV GELEPHU-SALAKATI	-12	5	-8	-0.20			
	NER	132KV MOTANGA-RANGIA	10	0	2	0.05			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-48	0	-22	-0.52			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-233	183	-4	-0.09			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-915	-681	-851	-20.42			
BANGLADESH	NER	132KV COMILLA-SURAJMANI 1&2	-110	0	-92	-2.20			