



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: 10th 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 09.12.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09- 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 9th 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: 10-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)	49795	56334	38386	19900	2630	167045
Peak Shortage (MW)	0	0	0	431	0	431
Energy Met (MU)	1105	1363	902	391	47	3808
Hydro Gen (MU)	129	31	81	32	12	285
Wind Gen (MU)	5	75	78	-	-	157
Solar Gen (MU)*	104.01	54.08	55.65	1.98	0.82	217
Energy Shortage (MU)	0.69	0.59	0.00	4.80	0.00	6.08
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55165	65370	46485	20269	2775	186522
Time Of Maximum Demand Met (From NLDC SCADA)	09:27	10:45	10:36	18:34	17:22	10:44

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	0.111	1.13	1.12	6.35	8.61	54.53	36.86

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	7465	0	145.0	44.3	-1.1	189	0.00
	Haryana	7321	0	140.2	71.0	0.3	178	0.00
	Rajasthan	15881	0	308.5	113.1	1.0	199	0.00
	Delhi	3939	0	68.6	62.0	-1.3	165	0.00
	UP	16197	0	308.0	73.5	-1.4	668	0.00
	Uttarakhand	2010	0	38.8	27.8	0.7	190	0.52
	HP	1973	0	34.3	24.8	0.1	106	0.00
	J&K(UT) & Ladakh(UT)	2664	0	58.1	55.5	-2.1	171	0.17
WR	Chhattisgarh	222	0	3.6	3.4	0.2	34	0.00
	Gujarat	4216	0	90.9	37.1	0.0	200	0.00
	Maharashtra	18493	0	384.4	219.9	-2.2	1086	0.00
	MP	16218	0	309.3	183.3	-3.0	793	0.00
	Goa	24658	220	521.8	161.7	-2.3	875	0.44
	DNHDDPDCL	620	0	12.3	11.7	0.0	37	0.15
SR	AMNSIL	1185	0	27.2	27.5	-0.3	48	0.00
	Andhra Pradesh	772	0	17.4	10.8	0.0	288	0.00
	Telangana	8885	0	170.0	63.4	-0.8	398	0.00
	Karnataka	11121	0	184.7	65.2	-1.3	455	0.00
	Kerala	12536	0	214.5	79.1	-0.4	653	0.00
	Tamil Nadu	3609	0	74.1	56.5	-0.1	144	0.00
ER	Puducherry	12662	0	252.1	140.9	-5.6	537	0.00
	Bihar	313	0	6.5	6.4	-0.5	81	0.00
	DVC	4502	0	80.0	67.6	0.7	143	0.36
	Jharkhand	3362	0	70.3	-44.4	-0.6	206	0.00
	Odisha	1423	393	27.3	20.3	-0.2	335	4.44
	West Bengal	4620	0	91.5	30.4	-2.6	73	0.00
NER	Sikkim	6958	0	119.6	-1.0	-1.7	70	0.00
	Arunachal Pradesh	117	0	1.9	1.8	0.0	10	0.00
	Assam	134	0	2.4	2.0	0.2	29	0.00
	Manipur	1590	0	26.5	19.5	-0.4	109	0.00
	Meghalaya	223	0	3.1	3.1	0.1	25	0.00
	Mizoram	377	0	7.1	5.3	0.1	44	0.00
NER	Nagaland	132	0	1.8	1.7	-0.2	18	0.00
	Tripura	145	0	2.3	2.1	0.1	21	0.00
	Tripura	256	0	3.7	1.6	-0.1	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	2.9	-0.6	-16.3
Day Peak (MW)	234.0	132.0	-903.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.9	-71.9	90.4	-193.9	-0.6	0.0
Actual(MU)	177.6	-73.6	81.1	-189.9	-0.9	-5.6
OD/UD(MU)	1.7	-1.8	-9.3	4.0	-0.3	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8509	14686	8218	2410	844	34666	53
State Sector	6835	13827	7700	2035	121	30517	47
Total	15344	28512	15918	4445	964	65183	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	538	1270	484	578	10	2879	76
Lignite	0	14	43	0	0	57	2
Hydro	126	31	81	32	12	281	7
Nuclear	26	16	65	0	0	107	3
Gas, Naptha & Diesel	9	6	6	0	28	49	1
RES (Wind, Solar, Biomass & Others)	104	131	158	2	1	395	10
Total	802	1467	835	611	51	3767	100
Share of RES in total generation (%)	12.94	8.90	18.86	0.32	1.60	10.48	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.84	12.06	36.29	5.50	26.00	20.77	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.055

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: 10-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	-	0	346	0.0	8.2	-8.2
3	765 kV	GAYA-VARANASI	2	0	834	0.0	12.2	-12.2
4	765 kV	SASARAM-FATEHPUR	1	0	586	0.0	8.5	-8.5
5	765 kV	GAYA-BALIA	1	0	600	0.0	11.7	-11.7
6	400 kV	PUSAULI-VARANASI	1	0	210	0.0	4.2	-4.2
7	400 kV	PUSAULI-ALLAHABAD	1	0	205	0.0	4.0	-4.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	857	0.0	12.1	-12.1
9	400 kV	PATNA-BALIA	2	0	665	0.0	12.6	-12.6
10	400 kV	NAUBATPUR-BALIA	2	0	725	0.0	13.5	-13.5
11	400 kV	BHARSHARIFF-BALIA	2	0	469	0.0	7.8	-7.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	569	0.0	9.7	-9.7
13	400 kV	BHARSHARIFF-VARANASI	2	0	413	0.0	6.0	-6.0
14	220 kV	SAHUPUR-KARMANASA	1	0	122	0.0	1.6	-1.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.4	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
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						0.4	112.2	-111.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	979	871	5.0	0.0	5.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	469	730	0.0	1.4	-1.4
3	765 kV	JHARSUGUDA-DURG	2	0	557	0.0	8.5	-8.5
4	400 kV	JHARSUGUDA-RAIGARH	4	36	519	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	129	341	0.0	1.9	-1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	1	138	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	124	83	0.5	0.0	0.5
ER-WR						5.5	19.8	-14.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	383	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1991	0.0	43.3	-43.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	3044	0.0	50.9	-50.9
4	400 kV	TALCHER-I/C	2	242	328	0.0	0.4	-0.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	102.8	-102.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	347	0.0	5.0	-5.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	437	0.0	6.3	-6.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	50	0.0	0.9	-0.9
ER-NER						0.0	12.1	-12.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1021	0.0	24.3	-24.3
2	HVDC	VINDHYACHAL B/B	-	45	0	1.2	0.0	1.2
3	HVDC	MUNDRAMOHINDERGARH	2	976	0	0.0	9.1	-9.1
4	765 kV	GWALIOR-AGRA	2	52	1133	0.1	14.3	-14.2
5	765 kV	GWALIOR-PHAGI	2	0	2215	0.0	35.5	-35.5
6	765 kV	JABALPUR-ORAI	2	0	795	0.0	24.0	-24.0
7	765 kV	GWALIOR-ORAI	1	981	0	16.5	0.0	16.5
8	765 kV	SATNA-ORAI	1	0	936	0.0	17.4	-17.4
9	765 kV	BANASKANTHA-CHITORGARH	2	2423	0	31.8	0.0	31.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	2278	0.0	36.6	-36.6
11	400 kV	ZERDA-KANKROLI	1	360	0	4.2	0.0	4.2
12	400 kV	ZERDA-BHINMAL	1	577	118	3.6	0.0	3.6
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	21.6	0.0	21.6
14	400 kV	KAPP-SHUALPUR	2	485	400	2.0	3.4	-1.4
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.5	-1.5
17	220 kV	MEHGAON-AURAIYA	1	126	0	1.0	0.0	1.0
18	220 kV	MALANPUR-AURAIYA	1	92	0	1.6	0.0	1.6
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						83.6	166.0	-82.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	17.9	0.0	17.9
2	HVDC	RAIGARH-PUGALUR	2	719	1500	0.0	16.3	-16.3
3	765 kV	SOLAPUR-RAICHUR	2	1086	2138	3.1	11.0	-7.9
4	765 kV	WARDHA-NIZAMABAD	2	0	3176	0.0	38.2	-38.2
5	400 kV	KOLHAPUR-KUDGI	2	1020	0	18.6	0.0	18.6
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	0	117	2.2	0.0	2.2
WR-SR						41.7	65.5	-23.7
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	-1.87		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*150MW)	219	131	174	4.17		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	73	0	26	0.62		
	NER	132kV GELEPHU-SALAKATI	-10	0	-5	-0.12		
	NER	132kV MOTANGA-RANGIA	10	0	5	0.13		
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.63		
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	183	0	3	0.07		
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-809	-485	-596	-14.30		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	94	0	-82	-1.96		