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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 8th December 2022

To,

1. कार्यकारी निदेशक, पू.क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 07.12.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07- दिसंबर -2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 07th 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: 08-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)	49341	56378	41484	18544	2604	168351
Peak Shortage (MW)	0	5	0	651	0	656
Energy Met (MU)	1092	1400	973	394	46	3905
Hydro Gen (MU)	127	47	85	34	13	305
Wind Gen (MU)	5	89	23	-	-	117
Solar Gen (MU)*	102.32	46.96	76.62	4.57	0.81	231
Energy Shortage (MU)	4.17	0.02	0.00	3.78	0.00	7.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55244	67638	49116	20307	2784	191025
Time Of Maximum Demand Met (From NLDC SCADA)	10:58	10:47	10:37	17:58	17:28	10:58

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	0.78	3.96	12.63	17.36	54.79	27.86

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	7737	0	143.2	47.6	-2.3	0	0.00
	Haryana	7021	0	139.2	71.0	-0.5	140	0.00
	Rajasthan	15890	0	305.0	108.5	0.8	168	2.22
	Delhi	3834	0	67.9	61.5	-1.2	186	0.00
	UP	15936	0	302.5	75.6	-0.5	306	0.00
	Uttarakhand	2108	0	38.6	27.4	1.0	227	0.15
	HP	2004	0	34.7	25.4	0.0	102	0.00
	J&K(UT) & Ladakh(UT)	2704	0	57.2	51.3	0.8	273	1.80
	Chandigarh	218	0	3.5	3.5	0.0	35	0.00
WR	Chhattisgarh	4130	0	88.7	40.0	-0.6	244	0.00
	Gujarat	19404	0	389.6	210.7	0.5	477	0.00
	MP	15873	0	308.3	187.7	-4.2	450	0.00
	Maharashtra	26808	0	554.7	171.2	2.3	1578	0.00
	Goa	590	5	13.0	12.3	0.4	71	0.02
	DNHDDPDCL	1204	0	27.7	28.0	-0.3	44	0.00
	AMNSIL	808	0	17.8	10.7	0.5	236	0.00
SR	Andhra Pradesh	9435	0	183.2	75.3	-1.0	506	0.00
	Telangana	10804	0	184.9	60.8	-0.1	663	0.00
	Karnataka	12582	0	223.9	87.0	2.2	1173	0.00
	Kerala	3806	0	77.6	60.7	0.1	229	0.00
	Tamil Nadu	14189	0	295.1	196.2	-0.8	722	0.00
	Puducherry	362	0	7.9	7.6	-0.3	24	0.00
ER	Bihar	4479	62	79.1	66.6	-0.1	245	0.10
	DVC	3327	0	69.9	-44.5	-0.6	238	0.00
	Jharkhand	1545	0	27.7	19.3	-0.4	400	3.69
	Odisha	5108	0	93.5	30.4	-3.0	261	0.00
	West Bengal	6824	0	122.1	-0.9	-1.1	403	0.00
	Sikkim	123	0	1.9	1.9	-0.1	14	0.00
NER	Arunachal Pradesh	138	0	2.3	2.1	0.0	29	0.00
	Assam	1570	0	26.3	20.1	-0.7	80	0.00
	Manipur	216	0	3.0	3.0	0.0	21	0.00
	Meghalaya	377	0	6.8	5.3	-0.1	47	0.00
	Mizoram	133	0	1.9	1.8	-0.2	17	0.00
	Nagaland	143	0	2.3	2.2	0.0	19	0.00
	Tripura	228	0	3.8	1.8	0.0	46	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.6	-0.4	-22.8
Day Peak (MW)	277.2	127.0	-1039.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.9	-87.1	119.6	-187.5	-1.9	0.0
Actual(MU)	148.7	-113.0	125.7	-193.6	-2.8	-35.1
O/D/U/D(MU)	-8.2	-25.9	6.0	-6.2	-0.9	-35.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7909	14656	6518	2510	844	32436	49
State Sector	8040	14907	7800	2380	121	33247	51
Total	15949	29562	14318	4890	964	65683	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	692	1286	530	585	10	3103	76
Lignite	30	14	48	0	0	93	2
Hydro	128	47	85	34	13	306	8
Nuclear	26	19	65	0	0	110	3
Gas, Naptha & Diesel	16	9	5	0	30	61	1
RES (Wind, Solar, Biomass & Others)	131	138	126	5	1	399	10
Total	1023	1513	859	624	53	4072	100

Share of RES in total generation (%)	12.77	9.10	14.63	0.73	1.52	9.81
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.80	13.46	32.10	6.14	25.01	20.02

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.056

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: 08-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	348	0.0	8.0	-8.0
3	765 kV	GAYA-VARANASI	2	0	866	0.0	14.0	-14.0
4	765 kV	SASARAM-FATEHPUR	1	0	11	0.0	0.0	0.0
5	765 kV	GAYA-BALIA	1	0	611	0.0	11.1	-11.1
6	400 kV	PUSAULI-VARANASI	1	0	226	0.0	4.5	-4.5
7	400 kV	PUSAULI -ALLAHABAD	1	0	194	0.0	3.5	-3.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	832	0.0	12.5	-12.5
9	400 kV	PATNA-BALIA	2	0	672	0.0	13.1	-13.1
10	400 kV	NAUBATPUR-BALIA	2	0	730	0.0	14.1	-14.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	469	0.0	7.9	-7.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	563	0.0	10.0	-10.0
13	400 kV	BIHARSHARIFF-VARANASI	2	0	392	0.0	6.4	-6.4
14	220 kV	SAHUPURI-KARAMNASA	1	0	180	0.0	2.5	-2.5
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	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	107.6	-107.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	780	108	6.5	0.0	6.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	90	1037	0.0	9.0	-9.0
3	765 kV	JHARSUGUDA-DURG	2	0	588	0.0	10.5	-10.5
4	400 kV	JHARSUGUDA-RAIGARH	4	56	473	0.0	5.3	-5.3
5	400 kV	RANCHI-SIPAT	2	21	367	0.0	4.0	-4.0
6	220 kV	BUDHIPADAR-RAIGARH	1	14	147	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	112	78	0.2	0.0	0.2
					ER-WR	6.6	30.6	-23.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	439	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1639	0.0	36.4	-36.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	3035	0.0	56.3	-56.3
4	400 kV	TALCHER-I/C	2	564	23	5.2	0.0	5.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	102.7	-102.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	242	0.0	4.2	-4.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	289	0.0	4.5	-4.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	49	0.0	0.7	-0.7
					ER-NER	0.0	9.4	-9.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.0	-12.0
					NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1020	0.0	24.0	-24.0
2	HVDC	VINDHYACHAL B/B	-	45	0	1.2	0.0	1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	976	0	0.0	21.0	-21.0
4	765 kV	GWALIOR-AGRA	2	132	886	0.0	10.5	-10.5
5	765 kV	GWALIOR-PHAGI	2	0	1822	0.0	29.7	-29.7
6	765 kV	JABALPUR-ORAI	2	0	725	0.0	18.5	-18.5
7	765 kV	GWALIOR-ORAI	1	879	0	15.7	0.0	15.7
8	765 kV	SATNA-ORAI	1	0	929	0.0	17.4	-17.4
9	765 kV	BANASKANTHA-CHITORGARH	2	1686	182	20.1	0.0	20.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	1865	0.0	27.1	-27.1
11	400 kV	ZERDA-KANKROLI	1	278	32	2.9	0.0	2.9
12	400 kV	ZERDA -BHINMAL	1	447	168	2.4	0.0	2.4
13	400 kV	VINDHYACHAL -RIHAND	1	967	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	383	334	0.7	0.3	0.5
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	160	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	127	0	2.0	0.0	2.0
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	12.1	0.0	12.1
					WR-NR	80.3	149.9	-69.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	0	4005	0.0	30.7	-30.7
3	765 kV	SOLAPUR-RAICHUR	2	327	2259	0.0	28.2	-28.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2996	0.0	48.1	-48.1
5	400 kV	KOLHAPUR-KUDGI	2	1134	0	14.8	0.0	14.8
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	1.0	0.0	1.0
8	220 kV	XELDEM-AMBEWADI	1	1	90	0.3	0.0	0.2
					WR-SR	40.1	107.0	-67.0

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 MANGDECHU HEP 4*180MW)	0	0	0	-1.57
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	313	111	190	4.55
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	87	0	25	0.60
	NER	132kV GELEPHU-SALAKATI	10	1	5	0.12
	NER	132kV MOTANGA-RANGIA	13	0	-2	-0.06
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-56	0	-21	-0.50
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	183	0	4	0.10
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-686	-859	-20.61
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-112	0	-93	-2.22