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: 7th 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 06.12.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06- 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 06th 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: 07-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)	49865	56801	42158	20071	2607	171502
Peak Shortage (MW)	0	4	0	495	0	499
Energy Met (MU)	1086	1400	980	393	45	3904
Hydro Gen (MU)	127	47	74	33	13	294
Wind Gen (MU)	12	105	34	-	-	151
Solar Gen (MU)*	99.83	46.63	95.71	4.78	0.82	248
Energy Shortage (MU)	0.68	0.09	0.00	4.32	0.00	5.09
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54955	67848	49380	20178	2793	191442
Time Of Maximum Demand Met (From NLDC SCADA)	10:00	10:45	09:56	18:40	17:18	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	0.113	0.96	6.01	6.33	13.30	51.41	35.30

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	7225	0	140.3	48.4	-1.8	81	0.00
	Haryana	7273	0	137.6	71.5	0.0	141	0.04
	Rajasthan	16066	0	305.6	113.5	-0.5	218	0.38
	Delhi	3766	0	67.1	60.5	-1.3	170	0.00
	UP	16256	0	301.7	79.7	-2.6	402	0.00
	Uttarakhand	2013	0	38.0	26.8	0.5	159	0.04
	HP	1953	0	34.4	25.2	0.3	74	0.00
	J&K(UT) & Ladakh(UT)	2630	0	57.7	52.5	0.3	219	0.22
	Chandigarh	210	0	3.4	3.4	0.0	18	0.00
WR	Chhattisgarh	4161	0	88.1	36.9	-0.9	160	0.00
	Gujarat	19299	0	389.6	201.2	0.1	738	0.00
	MP	16082	0	310.2	184.1	-2.2	590	0.00
	Maharashtra	26779	0	554.6	172.5	-1.1	571	0.00
	Goa	613	4	12.6	12.5	-0.2	45	0.09
	DNHDDPDCL	1206	0	27.7	27.8	-0.1	36	0.00
	AMNSIL	779	0	17.2	10.4	0.2	309	0.00
SR	Andhra Pradesh	9762	0	189.4	80.8	-0.5	367	0.00
	Telangana	10466	0	183.4	56.4	-0.3	586	0.00
	Karnataka	12719	0	224.2	83.1	0.0	826	0.00
	Kerala	3878	0	77.7	61.2	0.0	185	0.00
	Tamil Nadu	14333	0	297.4	186.9	0.4	995	0.00
	Puducherry	365	0	8.1	7.7	-0.3	35	0.00
ER	Bihar	4478	0	79.7	67.2	0.7	238	0.23
	DVC	3313	0	68.7	-43.7	-0.2	299	0.00
	Jharkhand	1542	45	27.4	19.5	-0.9	379	4.09
	Odisha	4938	0	94.9	32.5	-3.9	140	0.00
	West Bengal	6577	0	120.6	-4.3	-1.4	244	0.00
	Sikkim	119	0	1.8	1.8	0.0	15	0.00
NER	Arunachal Pradesh	141	0	2.2	2.0	0.1	23	0.00
	Assam	1586	0	25.2	20.1	-1.9	51	0.00
	Manipur	216	0	3.0	3.0	0.0	34	0.00
	Meghalaya	378	0	6.9	5.6	-0.2	57	0.00
	Mizoram	130	0	1.9	1.7	-0.2	6	0.00
	Nagaland	149	0	2.4	2.2	-0.1	10	0.00
	Tripura	230	0	3.7	2.1	-0.1	17	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.2	0.5	-22.7
Day Peak (MW)	271.0	98.0	-1037.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	168.2	-88.2	114.4	-192.3	-2.2	0.0
Actual(MU)	162.8	-86.1	123.5	-202.3	-3.7	-5.7
O/D/U/D(MU)	-5.4	2.1	9.1	-10.0	-1.5	-5.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7349	13856	7118	1910	844	31076	49
State Sector	7490	14912	7700	1870	121	32092	51
Total	14839	28767	14818	3780	964	63168	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	671	1265	525	589	10	3059	75
Lignite	33	14	50	0	0	97	2
Hydro	127	47	74	33	13	295	7
Nuclear	26	29	65	0	0	120	3
Gas, Naptha & Diesel	14	7	5	0	30	56	1
RES (Wind, Solar, Biomass & Others)	135	153	180	5	1	474	12
Total	1006	1515	899	627	54	4100	100

Share of RES in total generation (%)	13.43	10.10	20.03	0.76	1.53	11.55
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.69	15.14	35.52	6.02	25.13	21.67

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.053

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: 07-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	9.0	-9.0
3	765 kV	GAYA-VARANASI	2	0	951	0.0	15.1	-15.1
4	765 kV	SASARAM-FATEHPUR	1	0	20	0.0	0.0	0.0
5	765 kV	GAYA-BALIA	1	0	652	0.0	11.8	-11.8
6	400 kV	PUSAULI-VARANASI	1	0	215	0.0	4.7	-4.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	205	0.0	4.1	-4.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	846	0.0	13.0	-13.0
9	400 kV	PATNA-BALIA	2	0	775	0.0	14.2	-14.2
10	400 kV	NAUBATPUR-BALIA	2	0	719	0.0	12.0	-12.0
11	400 kV	BIHARSHARIFF-BALIA	2	0	494	0.0	8.8	-8.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	591	0.0	10.3	-10.3
13	400 kV	BIHARSHARIFF-VARANASI	2	0	447	0.0	7.0	-7.0
14	220 kV	SAHUPURI-KARAMNASA	1	0	165	0.0	2.6	-2.6
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	112.4	-112.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	434	339	0.0	0.4	-0.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	102	893	0.0	8.3	-8.3
3	765 kV	JHARSUGUDA-DURG	2	0	594	0.0	10.4	-10.4
4	400 kV	JHARSUGUDA-RAIGARH	4	68	428	0.0	4.6	-4.6
5	400 kV	RANCHI-SIPAT	2	24	345	0.0	4.3	-4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	135	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	112	71	0.4	0.0	0.4
					ER-WR	0.4	29.7	-29.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	440	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1592	0.0	38.5	-38.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2995	0.0	56.6	-56.6
4	400 kV	TALCHER-I/C	2	284	0	5.1	0.0	5.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	105.1	-105.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	247	0.0	3.8	-3.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	305	0.0	4.3	-4.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	34	0.0	0.5	-0.5
					ER-NER	0.0	8.5	-8.5
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	1021	0.0	24.2	-24.2
2	HVDC	VINDHYACHAL B/B	-	45	0	1.2	0.0	1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	976	0	23.3	0.0	23.3
4	765 kV	GWALIOR-AGRA	2	16	1347	0.0	12.9	-12.9
5	765 kV	GWALIOR-PHAGI	2	0	1819	0.0	28.2	-28.2
6	765 kV	JABALPUR-ORAI	2	0	713	0.0	19.8	-19.8
7	765 kV	GWALIOR-ORAI	1	917	0	14.8	0.0	14.8
8	765 kV	SATNA-ORAI	1	0	952	0.0	17.5	-17.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1480	309	14.1	0.0	14.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	1961	0.0	28.7	-28.7
11	400 kV	ZERDA-KANKROLI	1	247	48	2.0	0.0	2.0
12	400 kV	ZERDA -BHINMAL	1	416	184	1.6	0.0	1.6
13	400 kV	VINDHYACHAL -RIHAND	1	966	0	21.7	0.0	21.7
14	400 kV	RAPP-SHUJALPUR	2	433	351	0.5	0.0	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	1.6	-1.6
17	220 kV	MEHGAON-AURAIYA	1	143	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	110	0	1.8	0.0	1.8
19	132 kV	GWALIOR-SAWAI MADHOPUR	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	82.1	132.8	-50.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	22.0	0.0	22.0
2	HVDC	RAIGARH-PUGALUR	2	0	3001	0.0	31.3	-31.3
3	765 kV	SOLAPUR-RAICHUR	2	0	2171	0.0	24.2	-24.2
4	765 kV	WARDHA-NIZAMABAD	2	0	3021	0.0	47.5	-47.5
5	400 kV	KOLHAPUR-KUDGI	2	959	0	13.9	0.0	13.9
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.8	0.0	0.8
8	220 kV	XELDEM-AMBEWADI	1	1	109	1.6	0.0	1.6
					WR-SR	38.3	103.0	-64.7

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	-0.09
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	211	119	164	3.93
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.53
	NER	132kV GELEPHU-SALAKATI	3	-6	-1	-0.02
	NER	132kV MOTANGA-RANGIA	9	-8	-3	-0.06
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-60	0	-20	-0.47
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	158	0	42	1.01
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-926	-676	-853	-20.48
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-111	0	-91	-2.18