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: 6th 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 05.12.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05- 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 05th 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: 06-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)	49206	55239	42161	20156	2567	169329
Peak Shortage (MW)	0	0	0	508	0	508
Energy Met (MU)	1060	1378	969	392	45	3844
Hydro Gen (MU)	131	37	75	31	12	286
Wind Gen (MU)	8	81	50	-	-	139
Solar Gen (MU)*	93.18	46.38	99.57	2.20	0.84	242
Energy Shortage (MU)	1.13	0.60	0.00	3.60	0.00	5.33
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53588	66464	48498	20593	2727	187333
Time Of Maximum Demand Met (From NLDC SCADA)	11:22	10:46	09:28	17:58	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	0.069	0.00	0.15	3.60	3.75	61.62	34.63

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	7130	0	135.9	45.8	-1.5	85	0.00
	Haryana	7210	0	133.0	69.4	-0.5	212	0.00
	Rajasthan	15613	0	297.8	112.1	0.0	227	0.61
	Delhi	3662	0	65.3	59.2	-1.9	156	0.00
	UP	16270	0	296.7	70.2	-0.8	826	0.00
	Uttarakhand	2011	0	37.0	26.0	0.4	168	0.00
	HP	1913	0	33.2	22.9	0.5	124	0.00
	J&K(UT) & Ladakh(UT)	2581	150	57.2	52.0	0.7	255	0.52
	Chandigarh	204	0	3.4	3.3	0.1	26	0.00
WR	Chhattisgarh	4089	0	87.0	47.7	0.1	922	0.60
	Gujarat	18160	0	378.5	204.3	-1.0	399	0.00
	MP	15987	0	308.2	188.6	-3.4	509	0.00
	Maharashtra	26220	0	547.1	166.0	-0.7	777	0.00
	Goa	670	0	13.0	12.9	-0.5	90	0.00
	DNHDDPDCL	1195	0	26.8	26.9	-0.1	61	0.00
	AMNSIL	795	0	17.6	10.0	0.9	43	0.00
SR	Andhra Pradesh	9784	0	193.6	78.4	-0.4	286	0.00
	Telangana	10356	0	180.3	53.6	-0.9	415	0.00
	Karnataka	12716	0	224.3	82.6	1.0	777	0.00
	Kerala	3900	0	76.0	59.5	0.0	201	0.00
	Tamil Nadu	14254	0	287.1	172.0	-1.3	729	0.00
	Puducherry	364	0	7.9	7.5	-0.2	37	0.00
ER	Bihar	4559	0	77.6	66.9	-1.2	251	0.14
	DVC	3185	0	67.8	-40.7	-0.6	338	0.00
	Jharkhand	1544	267	29.7	19.2	2.1	262	3.46
	Odisha	5335	0	100.8	34.2	-3.0	354	0.00
	West Bengal	6519	0	114.4	-2.2	-0.8	375	0.00
	Sikkim	118	0	1.7	1.7	0.0	45	0.00
NER	Arunachal Pradesh	142	0	2.2	2.1	0.0	27	0.00
	Assam	1554	0	25.1	19.8	-1.5	80	0.00
	Manipur	206	0	2.9	3.0	-0.1	15	0.00
	Meghalaya	364	0	6.9	6.0	-0.1	38	0.00
	Mizoram	129	0	1.8	1.8	-0.2	8	0.00
	Nagaland	151	0	2.3	2.2	0.0	14	0.00
	Tripura	219	0	3.7	2.2	-0.1	27	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.4	1.6	-21.4
Day Peak (MW)	246.7	120.0	-1023.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	151.3	-78.9	111.2	-183.3	-0.4	0.0
Actual(MU)	153.1	-78.0	113.9	-189.6	-3.1	-3.8
O/D/U/D(MU)	1.7	0.8	2.7	-6.3	-2.8	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7349	13456	6908	2120	844	30676	48
State Sector	8385	14584	7520	2470	142	33100	52
Total	15734	28040	14428	4590	985	63776	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	658	1265	498	573	10	3005	75
Lignite	33	13	50	0	0	96	2
Hydro	132	37	75	31	12	287	7
Nuclear	26	36	65	0	0	127	3
Gas, Naptha & Diesel	14	7	5	0	30	56	1
RES (Wind, Solar, Biomass & Others)	125	129	201	2	1	458	11
Total	988	1487	895	606	52	4028	100
Share of RES in total generation (%)	12.64	8.65	22.46	0.37	1.61	11.36	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.64	13.55	38.14	5.43	24.42	21.64	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
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: 06-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	8.3	-8.3
3	765 kV	GAYA-VARANASI	2	35	961	0.0	12.8	-12.8
4	765 kV	SASARAM-FATEHPUR	1	0	19	0.0	0.0	0.0
5	765 kV	GAYA-BALIA	1	0	655	0.0	10.9	-10.9
6	400 kV	PUSAULI-VARANASI	1	0	215	0.0	4.6	-4.6
7	400 kV	PUSAULI -ALLAHABAD	1	0	195	0.0	3.7	-3.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	832	0.0	12.6	-12.6
9	400 kV	PATNA-BALIA	2	0	753	0.0	13.3	-13.3
10	400 kV	NAUBATPUR-BALIA	2	0	637	0.0	10.3	-10.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	483	0.0	7.9	-7.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	579	0.0	9.9	-9.9
13	400 kV	BIHARSHARIFF-VARANASI	2	0	395	0.0	5.7	-5.7
14	220 kV	SAHUPURI-KARAMNASA	1	0	179	0.0	2.4	-2.4
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	23	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	102.2	-101.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	706	167	4.5	0.0	4.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	122	834	0.0	5.7	-5.7
3	765 kV	JHARSUGUDA-DURG	2	0	522	0.0	8.9	-8.9
4	400 kV	JHARSUGUDA-RAIGARH	4	2	498	0.0	6.1	-6.1
5	400 kV	RANCHI-SIPAT	2	0	308	0.0	3.0	-3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	137	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	67	169	0.0	0.6	-0.6
					ER-WR	4.5	26.4	-21.9
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	1988	0.0	39.0	-39.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2910	0.0	53.5	-53.5
4	400 kV	TALCHER-I/C	2	283	707	0.0	1.6	-1.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	102.5	-102.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	260	0.0	4.0	-4.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	189	307	0.0	4.5	-4.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	35	0.0	0.5	-0.5
					ER-NER	0.0	9.0	-9.0
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	24.0	-24.0
2	HVDC	VINDHYACHAL B/B	-	46	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	0	1113	0.1	12.7	-12.6
5	765 kV	GWALIOR-PHAGI	2	0	1825	0.0	29.8	-29.8
6	765 kV	JABALPUR-ORAI	2	0	746	0.0	21.1	-21.1
7	765 kV	GWALIOR-ORAI	1	931	0	14.8	0.0	14.8
8	765 kV	SATNA-ORAI	1	0	932	0.0	17.6	-17.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1527	0	18.1	0.0	18.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	1893	0.0	28.2	-28.2
11	400 kV	ZERDA-KANKROLI	1	213	33	2.2	0.0	2.2
12	400 kV	ZERDA -BHINMAL	1	367	170	1.9	0.0	1.9
13	400 kV	VINDHYACHAL -RIHAND	1	979	0	21.6	0.0	21.6
14	400 kV	RAPP-SHUJALPUR	2	363	401	1.6	1.8	-0.2
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	154	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	118	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	88.0	136.6	-48.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	19.5	0.0	19.5
2	HVDC	RAIGARH-PUGALUR	2	0	2301	0.0	25.9	-25.9
3	765 kV	SOLAPUR-RAICHUR	2	546	2001	0.7	21.1	-20.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2485	0.0	42.5	-42.5
5	400 kV	KOLHAPUR-KUDGI	2	1217	0	15.6	0.0	15.6
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	120	2.2	0.0	2.2
					WR-SR	38.0	89.5	-51.5

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	-0.11
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	196	160	188	4.51
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.91
	NER	132kV GELEPHU-SALAKATI	-6	0	-2	-0.04
	NER	132kV MOTANGA-RANGIA	-7	0	-1	-0.02
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.33
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	171	0	78	1.88
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-912	-533	-801	-19.23
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-111	0	-90	-2.16