National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन 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: 06th November 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 05.11.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-नवंबर-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 November 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day **Date of Reporting:** **06-Nov-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)	47651	54630	40533	21179	2660	166653
Peak Shortage (MW)	110	0	0	419	0	529
Energy Met (MU)	1044	1303	907	440	50	3745
Hydro Gen (MU)	140	50	153	70	21	435
Wind Gen (MU)	40	28	36	-	-	104
Solar Gen (MU)*	108.67	51.68	102.87	5.01	0.86	269
Energy Shortage (MU)	4.57	0.00	0.00	3.77	0.10	8.44
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49923	61112	42841	21522	2784	173164
Time Of Maximum Demand Met (From NLDC SCADA)	19:10	11:01	10:22	18:03	17:19	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	0.093	2.57	3.41	7.78	13.76	74.52	11.72

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	6413	0	127.3	39.0	-0.9	179	0.00
	Haryana	6339	0	132.1	72.4	-1.2	142	0.34
	Rajasthan	14706	0	286.1	98.9	-0.8	332	0.53
	Delhi	3646	0	71.6	63.9	-0.6	146	0.00
	UP	16182	0	304.8	88.8	-0.6	378	0.78
	Uttarakhand	1778	0	35.4	23.0	0.3	127	1.05
	HP	1823	0	32.1	18.5	-0.5	45	0.00
	J&K(UT) & Ladakh(UT)	2584	100	51.3	45.0	1.1	539	1.87
	Chandigarh	185	0	3.4	3.6	-0.2	21	0.00
WR	Chhattisgarh	3986	0	89.7	37.4	0.7	155	0.00
	Gujarat	18947	0	388.5	252.7	2.7	901	0.00
	MP	13314	0	276.7	168.6	-1.6	833	0.00
	Maharashtra	23215	0	493.5	150.8	-0.8	707	0.00
	Goa	653	0	12.7	12.9	-0.8	37	0.00
	DNHDDPDCL	1153	0	26.6	26.5	0.1	74	0.00
	AMNSIL	737	0	15.7	9.3	0.7	306	0.00
SR	Andhra Pradesh	8710	0	187.6	68.7	0.2	380	0.00
	Telangana	9149	0	174.0	21.6	-0.6	490	0.00
	Karnataka	10058	0	189.9	62.4	-1.4	461	0.00
	Kerala	3647	0	74.8	48.4	0.0	233	0.00
	Tamil Nadu	13103	0	273.3	155.1	-0.2	449	0.00
	Puducherry	403	0	7.9	7.9	0.0	62	0.00
ER	Bihar	4753	0	87.5	77.7	-1.1	189	0.10
	DVC	3320	0	70.6	-43.4	0.2	257	0.00
	Jharkhand	1570	516	28.1	18.7	0.1	435	3.67
	Odisha	5486	0	113.0	34.0	-0.9	559	0.00
	West Bengal	7175	0	139.8	9.0	-1.4	484	0.00
	Sikkim	96	0	1.5	1.5	0.0	32	0.00
NER	Arunachal Pradesh	108	0	2.3	2.2	-0.2	19	0.00
	Assam	1631	0	29.8	22.0	0.6	113	0.00
	Manipur	206	22	2.6	2.6	0.0	26	0.02
	Meghalaya	345	0	6.5	4.2	-0.2	59	0.00
	Mizoram	116	0	1.8	1.4	-0.1	29	0.00
	Nagaland	137	0	2.0	1.6	0.1	30	0.00
	Tripura	275	0	4.6	3.4	0.4	63	0.08

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.9	8.4	-23.6
Day Peak (MW)	576.0	410.0	-1081.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	150.3	-0.8	37.9	-186.3	-1.2	0.0
Actual(MU)	152.8	3.0	25.1	-181.8	-0.9	-1.7
O/D/U/D(MU)	2.4	3.8	-12.8	4.5	0.3	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8452	16131	8748	2530	922	36782	49
State Sector	11005	15057	9895	2450	171	38577	51
Total	19457	31187	18643	4980	1093	75359	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	614	1153	476	561	10	2814	72
Lignite	24	8	45	0	0	76	2
Hydro	141	50	153	70	21	436	11
Nuclear	26	40	60	0	0	126	3
Gas, Naptha & Diesel	14	2	4	0	24	43	1
RES (Wind, Solar, Biomass & Others)	155	80	188	5	1	430	11
Total	974	1333	926	636	56	3924	100

Share of RES in total generation (%)	15.94	6.01	20.35	0.79	1.54	10.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.08	12.77	43.37	11.79	39.85	25.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.074

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-Nov-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	301	0.0	7.4	-7.4
2	HVDC	PUSAULI B/B	-	2	345	0.0	8.4	-8.4
3	765 kV	GAYA-VARANASI	2	0	969	0.0	13.0	-13.0
4	765 kV	SASARAM-FATEHPUR	1	0	456	0.0	7.4	-7.4
5	765 kV	GAYA-BALIA	1	0	560	0.0	11.7	-11.7
6	400 kV	PUSAULI-VARANASI	1	0	220	0.0	4.5	-4.5
7	400 kV	PUSAULI -ALLAHABAD	1	1	194	0.0	3.7	-3.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	951	0.0	16.2	-16.2
9	400 kV	PATNA-BALIA	2	0	539	0.0	9.7	-9.7
10	400 kV	NAUBATPUR-BALIA	2	0	586	0.0	9.7	-9.7
11	400 kV	BIHARSHARIFF-BALIA	2	8	489	0.0	6.7	-6.7
12	400 kV	MOTIHARI-GORAKHPUR	2	0	496	0.0	8.9	-8.9
13	400 kV	BIHARSHARIFF-VARANASI	2	0	369	0.0	5.1	-5.1
14	220 kV	SAHUPURI-KARAMNASA	1	14	155	0.0	1.1	-1.1
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.2	0.0	0.2
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	27	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.6	113.4	-112.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	820	142	4.8	0.0	4.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	441	640	1.7	0.0	1.7
3	765 kV	JHARSUGUDA-DURG	2	0	561	0.0	9.6	-9.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	550	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	117	254	0.0	0.3	-0.3
6	220 kV	BUDHIPADAR-RAIGARH	1	5	132	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	109	47	0.9	0.0	0.9
					ER-WR	7.4	17.6	-10.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	330	0.0	7.4	-7.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1641	0.0	39.5	-39.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2423	0.0	37.1	-37.1
4	400 kV	TALCHER-I/C	2	0	383	0.0	7.1	-7.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	84.0	-84.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	484	0.0	7.1	-7.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	563	0.0	6.9	-6.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	64	0.0	0.9	-0.9
					ER-NER	0.0	14.9	-14.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	16.8	-16.8
					NER-NR	0.0	16.8	-16.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	326	0.0	7.6	-7.6
2	HVDC	VINDHYACHAL B/B	-	225	54	2.9	0.6	2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	1210	0	16.1	0.0	16.1
4	765 kV	GWALIOR-AGRA	2	0	1524	0.0	19.8	-19.8
5	765 kV	GWALIOR-PHAGI	2	0	2323	0.0	39.8	-39.8
6	765 kV	JABALPUR-ORAI	2	0	730	0.0	24.1	-24.1
7	765 kV	GWALIOR-ORAI	1	1086	0	19.0	0.0	19.0
8	765 kV	SATNA-ORAI	1	0	918	0.0	18.5	-18.5
9	765 kV	BANASKANTHA-CHITORGARH	2	2234	0	35.3	0.0	35.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	1835	0.0	32.6	-32.6
11	400 kV	ZERDA-KANKROLI	1	460	0	6.7	0.0	6.7
12	400 kV	ZERDA -BHINMAL	1	747	0	9.3	0.0	9.3
13	400 kV	VINDHYACHAL -RIHAND	1	964	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUJALPUR	2	296	296	0.0	1.5	-1.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
17	220 kV	MEHGAON-AURAIYA	1	106	0	1.0	0.0	1.0
18	220 kV	MALANPUR-AURAIYA	1	79	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	114.2	146.2	-32.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	693	0	16.8	0.0	16.8
2	HVDC	RAIGARH-PUGALUR	2	0	605	0.0	14.6	-14.6
3	765 kV	SOLAPUR-RAICHUR	2	1869	1329	12.4	0.0	12.4
4	765 kV	WARDHA-NIZAMABAD	2	102	1831	0.0	15.7	-15.7
5	400 kV	KOLHAPUR-KUDGI	2	1393	0	23.5	0.0	23.5
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	110	2.2	0.0	2.2
					WR-SR	54.9	30.2	24.7

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)	130	0	98	2.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	406	0	369	8.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	40	0	18	0.4
	NER	132kV GELEPHU-SALAKATI	-14	0	-1	0.0
	NER	132kV MOTANGA-RANGIA	-33	-13	-22	-0.5
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	410	233	351	8.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-935	-740	-865	-20.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-146	0	-118	-2.8