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: 08th 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 07.11.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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:** **08-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)	47494	54149	41540	20039	2640	165862
Peak Shortage (MW)	220	0	0	500	0	720
Energy Met (MU)	1034	1324	916	434	47	3755
Hydro Gen (MU)	146	52	136	68	19	421
Wind Gen (MU)	11	33	30	-	-	75
Solar Gen (MU)*	88.90	47.83	118.00	5.05	0.80	261
Energy Shortage (MU)	8.17	0.00	0.00	3.61	0.00	11.78
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50380	62213	44196	20672	2729	175641
Time Of Maximum Demand Met (From NLDC SCADA)	11:37	10:44	10:39	18:17	17:23	11:37

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	0.044	0.00	0.43	11.20	11.63	74.85	13.52

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	6337	0	126.0	42.6	-1.2	66	0.00
	Haryana	6320	38	128.0	68.9	-1.1	185	0.55
	Rajasthan	14766	89	285.3	128.5	2.3	437	5.86
	Delhi	3767	0	74.0	65.6	-0.4	391	0.00
	UP	15960	0	303.3	80.3	-0.7	211	0.00
	Uttarakhand	1862	0	35.0	23.1	-0.2	90	0.67
	HP	1758	0	31.1	18.0	-0.7	273	0.00
	J&K(UT) & Ladakh(UT)	2546	90	48.4	42.8	-1.2	393	1.09
	Chandigarh	190	0	3.4	3.6	-0.1	30	0.00
WR	Chhattisgarh	3958	0	88.2	38.0	-0.5	148	0.00
	Gujarat	19540	0	391.3	248.2	-1.7	660	0.00
	MP	13677	0	281.8	170.9	-1.3	570	0.00
	Maharashtra	24055	0	508.4	153.0	0.1	701	0.00
	Goa	637	0	12.2	12.8	-0.8	54	0.00
	DNHDDPDCL	1137	0	25.4	26.4	-1.0	79	0.00
	AMNSIL	775	0	16.7	10.0	0.3	336	0.00
SR	Andhra Pradesh	9249	0	188.7	69.3	-0.8	430	0.00
	Telangana	9191	0	172.5	20.3	-0.2	444	0.00
	Karnataka	10507	0	196.6	64.9	0.2	765	0.00
	Kerala	3794	0	74.2	49.4	0.5	194	0.00
	Tamil Nadu	14077	0	275.3	159.7	-0.3	862	0.00
	Puducherry	397	0	8.6	8.0	-0.1	64	0.00
ER	Bihar	4666	0	88.9	76.8	0.8	288	0.08
	DVC	3196	0	69.0	-42.0	0.1	311	0.00
	Jharkhand	1584	0	28.0	19.2	0.1	365	3.53
	Odisha	5046	0	111.6	32.4	-0.4	403	0.00
	West Bengal	7046	0	134.5	-2.5	-0.7	260	0.00
	Sikkim	106	0	1.6	1.6	0.1	29	0.00
NER	Arunachal Pradesh	126	0	2.2	1.9	0.0	50	0.00
	Assam	1604	0	27.7	20.5	-0.1	99	0.00
	Manipur	203	0	2.6	2.5	0.1	40	0.00
	Meghalaya	365	0	6.6	4.9	-0.1	50	0.00
	Mizoram	126	0	1.6	1.5	-0.4	17	0.00
	Nagaland	144	0	2.0	2.0	-0.3	16	0.00
	Tripura	264	0	4.5	4.0	-0.1	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.4	6.4	-24.1
Day Peak (MW)	667.0	330.0	-1074.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	189.3	-32.4	51.8	-203.7	-5.0	0.0
Actual(MU)	189.8	-27.4	41.7	-199.2	-7.3	-2.3
O/D/U/D(MU)	0.5	5.0	-10.0	4.5	-2.3	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8567	14726	8748	3190	592	35823	50
State Sector	9710	15329	8783	2050	173	36044	50
Total	18277	30054	17531	5240	765	71866	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	609	1212	478	578	11	2890	75
Lignite	21	8	40	0	0	69	2
Hydro	137	52	136	68	19	411	11
Nuclear	26	29	60	0	0	115	3
Gas, Naptha & Diesel	16	0	5	0	31	51	1
RES (Wind, Solar, Biomass & Others)	47	82	200	5	1	335	9
Total	856	1383	920	651	61	3871	100

Share of RES in total generation (%)	5.53	5.94	21.74	0.77	1.31	8.66
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.52	11.75	43.09	11.18	32.10	22.25

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.076

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-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	300	0.0	0.9	-0.9
2	HVDC	PUSAULI B/B	-	0	348	0.0	8.5	-8.5
3	765 kV	GAYA-VARANASI	2	0	1164	0.0	17.6	-17.6
4	765 kV	SASARAM-FATEHPUR	1	0	649	0.0	11.8	-11.8
5	765 kV	GAYA-BALIA	1	0	489	0.0	9.9	-9.9
6	400 kV	PUSAULI-VARANASI	1	0	202	0.0	4.3	-4.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	199	0.0	4.2	-4.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1038	0.0	19.0	-19.0
9	400 kV	PATNA-BALIA	2	0	501	0.0	9.9	-9.9
10	400 kV	NAUBATPUR-BALIA	2	0	544	0.0	10.0	-10.0
11	400 kV	BIHARSHARIFF-BALIA	2	0	410	0.0	7.0	-7.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	584	0.0	11.5	-11.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	445	0.0	7.4	-7.4
14	220 kV	SAHUPURI-KARAMNASA	1	0	100	0.0	1.6	-1.6
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	15	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	123.5	-123.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	737	861	1.3	0.0	1.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	322	747	0.0	1.9	-1.9
3	765 kV	JHARSUGUDA-DURG	2	0	601	0.0	10.8	-10.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	670	0.0	8.7	-8.7
5	400 kV	RANCHI-SIPAT	2	69	317	0.0	2.0	-2.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	116	0.0	1.2	-1.2
7	220 kV	BUDHIPADAR-KORBA	2	93	83	0.6	0.0	0.6
					ER-WR	1.9	24.6	-22.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	655	0.0	9.2	-9.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1994	0.0	42.4	-42.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2780	0.0	33.7	-33.7
4	400 kV	TALCHER-I/C	2	239	691	0.0	9.6	-9.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	85.3	-85.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	29	295	0.0	3.8	-3.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	28	423	0.0	5.0	-5.0
3	220 kV	ALIPURDUAR-SALAKATI	2	2	24	0.0	0.0	0.0
					ER-NER	0.0	8.7	-8.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	16.9	-16.9
					NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	7	326	0.0	3.1	-3.1
2	HVDC	VINDHYACHAL B/B	-	0	54	0.0	1.2	-1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	1441	0	28.5	0.0	28.5
4	765 kV	GWALIOR-AGRA	2	0	1700	0.0	26.5	-26.5
5	765 kV	GWALIOR-PHAGI	2	0	2450	0.0	50.6	-50.6
6	765 kV	JABALPUR-ORAI	2	0	861	0.0	34.9	-34.9
7	765 kV	GWALIOR-ORAI	1	1145	0	22.0	0.0	22.0
8	765 kV	SATNA-ORAI	1	0	981	0.0	20.2	-20.2
9	765 kV	BANASKANTHA-CHITORGARH	2	2047	0	27.5	0.0	27.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	1716	0.0	26.6	-26.6
11	400 kV	ZERDA-KANKROLI	1	308	8	3.7	0.0	3.7
12	400 kV	ZERDA -BHINMAL	1	311	200	0.7	0.0	0.7
13	400 kV	VINDHYACHAL -RIHAND	1	964	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	0	596	0.0	6.4	-6.4
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	140	0	1.1	0.0	1.1
18	220 kV	MALANPUR-AURAIYA	1	110	0	1.7	0.0	1.7
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	107.0	171.0	-63.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	20.5	0.0	20.5
2	HVDC	RAIGARH-PUGALUR	2	0	3500	0.0	35.9	-35.9
3	765 kV	SOLAPUR-RAICHUR	2	2206	1553	19.1	4.5	14.7
4	765 kV	WARDHA-NIZAMABAD	2	768	2424	1.3	17.7	-16.5
5	400 kV	KOLHAPUR-KUDGI	2	1409	0	28.6	0.0	28.6
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	103	2.1	0.0	2.1
					WR-SR	71.6	58.1	13.5

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)	120	0	84	2.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	517	367	417	10.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	22	0	1	0.0
	NER	132kV GELEPHU-SALAKATI	-10	-3	-7	-0.2
	NER	132kV MOTANGA-RANGIA	-39	-9	-19	-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	330	189	265	6.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-734	-876	-21.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-150	0	-128	-3.1