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: 12th 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 11.11.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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:** **12-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)	47275	54868	39518	19891	2599	164151
Peak Shortage (MW)	200	0	0	487	0	687
Energy Met (MU)	1049	1361	917	417	47	3790
Hydro Gen (MU)	144	36	101	54	18	354
Wind Gen (MU)	13	95	51	-	-	159
Solar Gen (MU)*	87.72	48.67	73.51	5.10	0.86	216
Energy Shortage (MU)	3.65	0.00	0.00	2.55	0.00	6.20
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49900	62981	45434	20810	2767	176898
Time Of Maximum Demand Met (From NLDC SCADA)	10:26	10:49	09:31	17:56	17:23	10:27

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	0.030	0.00	0.34	1.75	2.08	75.65	22.27

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	6740	0	124.2	34.6	-1.2	81	0.00
	Haryana	6266	0	129.4	59.2	-1.8	156	0.00
	Rajasthan	14628	44	286.2	108.0	4.6	482	2.85
	Delhi	3756	0	74.8	64.5	2.7	381	0.00
	UP	16082	0	305.4	79.4	0.9	556	0.00
	Uttarakhand	1942	0	36.5	24.8	-0.2	104	0.14
	HP	1838	0	32.9	20.0	0.0	51	0.02
	J&K(UT) & Ladakh(UT)	2715	0	56.0	49.2	0.0	192	0.64
	Chandigarh	193	0	3.3	3.7	-0.3	26	0.00
WR	Chhattisgarh	3952	0	86.0	33.1	-1.2	174	0.00
	Gujarat	19462	0	401.0	229.1	0.6	725	0.00
	MP	14679	0	298.2	184.3	-3.0	587	0.00
	Maharashtra	24280	0	519.8	159.8	-1.9	642	0.00
	Goa	632	0	12.6	12.2	-0.2	37	0.00
	DNHDDPDCL	1188	0	27.3	27.1	0.2	54	0.00
	AMNSIL	739	0	16.0	9.4	0.2	305	0.00
SR	Andhra Pradesh	9066	0	185.8	65.8	0.5	496	0.00
	Telangana	9288	0	168.7	40.8	0.4	540	0.00
	Karnataka	11586	0	203.7	67.9	-0.5	713	0.00
	Kerala	3647	0	76.3	53.7	0.9	224	0.00
	Tamil Nadu	12806	0	273.2	170.1	-0.4	492	0.00
	Puducherry	361	0	8.9	7.9	0.3	14	0.00
ER	Bihar	4783	0	85.3	76.2	2.4	417	0.30
	DVC	3360	0	71.4	-34.7	0.8	339	0.00
	Jharkhand	1460	133	28.2	19.6	-0.3	188	2.25
	Odisha	4836	0	97.8	22.2	0.0	466	0.00
	West Bengal	7000	0	132.2	2.3	-1.0	313	0.00
	Sikkim	111	0	1.6	1.6	0.1	41	0.00
NER	Arunachal Pradesh	107	0	2.0	2.0	-0.2	20	0.00
	Assam	1650	0	27.7	21.4	-0.5	146	0.00
	Manipur	208	0	2.8	2.8	0.0	21	0.00
	Meghalaya	355	0	6.3	4.8	0.0	50	0.00
	Mizoram	121	0	1.8	1.4	-0.2	12	0.00
	Nagaland	134	0	2.2	1.9	-0.1	19	0.00
	Tripura	241	0	3.9	2.9	-0.3	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	8.0	7.1	-22.4
Day Peak (MW)	424.0	357.0	-1031.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	153.3	-46.3	76.9	-179.4	-4.5	0.0
Actual(MU)	147.0	-46.7	83.8	-185.4	-6.3	-7.5
O/D/U/D(MU)	-6.3	-0.4	6.9	-6.0	-1.7	-7.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7247	13646	7248	3050	719	31909	46
State Sector	9585	14962	9423	2700	152	36821	54
Total	16832	28607	16671	5750	870	68730	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	651	1216	482	557	10	2916	73
Lignite	31	13	44	0	0	88	2
Hydro	145	36	101	54	18	355	9
Nuclear	26	28	71	0	0	124	3
Gas, Naptha & Diesel	14	5	6	0	30	55	1
RES (Wind, Solar, Biomass & Others)	114	145	166	5	1	431	11
Total	981	1442	870	616	59	3968	100

Share of RES in total generation (%)	11.62	10.03	19.11	0.83	1.46	10.86
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.04	14.45	38.85	9.65	32.44	22.93

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.075

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: 12-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	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	345	0.0	8.3	-8.3
3	765 kV	GAYA-VARANASI	2	0	896	0.0	14.6	-14.6
4	765 kV	SASARAM-FATEHPUR	1	0	553	0.0	10.2	-10.2
5	765 kV	GAYA-BALIA	1	0	553	0.0	10.2	-10.2
6	400 kV	PUSAULI-VARANASI	1	0	239	0.0	4.6	-4.6
7	400 kV	PUSAULI -ALLAHABAD	1	0	197	0.0	3.7	-3.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	751	0.0	14.0	-14.0
9	400 kV	PATNA-BALIA	2	0	634	0.0	13.0	-13.0
10	400 kV	NAUBATPUR-BALIA	2	0	643	0.0	12.9	-12.9
11	400 kV	BIHARSHARIFF-BALIA	2	0	420	0.0	7.8	-7.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	528	0.0	9.2	-9.2
13	400 kV	BIHARSHARIFF-VARANASI	2	0	400	0.0	6.6	-6.6
14	220 kV	SAHUPURI-KARAMNASA	1	1	129	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	97	0.0	1.6	-1.6
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	118.2	-117.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	920	0	12.8	0.0	12.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	421	457	0.3	0.0	0.3
3	765 kV	JHARSUGUDA-DURG	2	0	358	0.0	6.2	-6.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	495	0.0	5.8	-5.8
5	400 kV	RANCHI-SIPAT	2	155	150	0.0	0.0	0.0
6	220 kV	BUDHIPADAR-RAIGARH	1	18	87	0.0	0.9	-0.9
7	220 kV	BUDHIPADAR-KORBA	2	130	0	1.7	0.0	1.7
					ER-WR	14.8	12.8	2.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	755	0.0	15.5	-15.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1656	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2530	0.0	44.8	-44.8
4	400 kV	TALCHER-I/C	2	0	368	0.0	6.9	-6.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	99.9	-99.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	344	0.0	4.3	-4.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	473	0.0	5.7	-5.7
3	220 kV	ALIPURDUAR-SALAKATI	2	1	35	0.0	0.4	-0.4
					ER-NER	0.0	10.3	-10.3
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	0	1	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	442	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	1443	0	33.4	0.0	33.4
4	765 kV	GWALIOR-AGRA	2	0	1580	0.0	22.3	-22.3
5	765 kV	GWALIOR-PHAGI	2	0	2166	0.0	38.3	-38.3
6	765 kV	JABALPUR-ORAI	2	0	783	0.0	30.4	-30.4
7	765 kV	GWALIOR-ORAI	1	1016	0	18.9	0.0	18.9
8	765 kV	SATNA-ORAI	1	0	885	0.0	17.7	-17.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1649	0	19.4	0.0	19.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	1936	0.0	26.4	-26.4
11	400 kV	ZERDA-KANKROLI	1	284	25	3.0	0.0	3.0
12	400 kV	ZERDA -BHINMAL	1	469	202	3.2	0.0	3.2
13	400 kV	VINDHYACHAL -RIHAND	1	957	0	21.6	0.0	21.6
14	400 kV	RAPP-SHUJALPUR	2	216	410	0.9	2.9	-1.9
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	2.0	0.0	2.0
17	220 kV	MEHGAON-AURAIYA	1	115	3	1.3	0.0	1.3
18	220 kV	MALANPUR-AURAIYA	1	122	0	1.1	0.0	1.1
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	117.1	137.8	-20.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	297	0	7.2	0.0	7.2
2	HVDC	RAIGARH-PUGALUR	2	0	607	0.0	14.7	-14.7
3	765 kV	SOLAPUR-RAICHUR	2	493	1518	1.9	8.0	-6.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2278	0.0	28.0	-28.0
5	400 kV	KOLHAPUR-KUDGI	2	1068	0	19.4	0.0	19.4
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	108	2.1	0.0	2.1
					WR-SR	30.6	50.7	-20.1

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)	94	60	61	1.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	319	0	297	7.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	8	0	-9	-0.2
	NER	132kV GELEPHU-SALAKATI	6	1	3	0.1
	NER	132kV MOTANGA-RANGIA	30	10	13	0.3
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	357	195	295	7.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-922	-733	-833	-20.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-109	0	-99	-2.4