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: 07th 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 06.11.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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:** **07-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)	45505	52454	36502	20460	2519	157440
Peak Shortage (MW)	0	0	0	334	0	334
Energy Met (MU)	994	1283	853	422	47	3599
Hydro Gen (MU)	139	44	134	64	21	402
Wind Gen (MU)	28	25	30	-	-	83
Solar Gen (MU)*	88.02	49.41	95.16	4.87	0.85	238
Energy Shortage (MU)	1.73	0.00	0.30	1.52	0.00	3.55
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47504	59834	40893	20787	2646	167967
Time Of Maximum Demand Met (From NLDC SCADA)	12:19	10:47	10:48	17:55	17:29	10:47

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	0.042	0.00	1.12	6.08	7.20	76.79	16.02

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	5631	0	113.9	38.8	-1.9	30	0.00
	Haryana	5669	0	120.2	64.3	-0.6	160	0.00
	Rajasthan	14881	0	286.4	113.7	2.1	508	1.62
	Delhi	3504	0	68.7	60.7	-0.6	141	0.00
	UP	15531	0	297.6	82.2	0.7	561	0.00
	Uttarakhand	1739	0	33.7	21.3	0.3	141	0.00
	HP	1551	0	28.8	15.6	-0.2	126	0.11
	J&K(UT) & Ladakh(UT)	2550	0	41.9	38.4	-1.7	498	0.00
	Chandigarh	172	0	3.1	3.3	-0.2	23	0.00
WR	Chhattisgarh	3931	0	88.3	37.6	-0.1	176	0.00
	Gujarat	18340	0	376.7	246.3	-1.6	795	0.00
	MP	13387	0	278.1	172.8	-1.8	795	0.00
	Maharashtra	22524	0	486.0	155.4	1.5	830	0.00
	Goa	590	0	11.7	11.8	-0.7	65	0.00
	DNHDDPDCL	1107	0	25.6	25.5	0.1	57	0.00
	AMNSIL	762	0	16.3	10.2	0.1	249	0.00
SR	Andhra Pradesh	8996	0	185.0	68.3	0.7	516	0.00
	Telangana	8777	0	166.2	17.9	0.1	843	0.00
	Karnataka	9673	0	177.7	60.4	-0.6	535	0.00
	Kerala	3253	0	67.0	45.6	0.1	201	0.30
	Tamil Nadu	11536	0	249.5	143.2	-0.3	634	0.00
	Puducherry	349	0	7.3	7.6	-0.2	40	0.00
ER	Bihar	4806	0	88.4	77.7	-1.1	229	0.32
	DVC	3322	0	68.3	-40.2	-0.6	264	0.00
	Jharkhand	1739	0	29.0	20.4	0.0	289	1.20
	Odisha	5883	0	109.4	35.2	-1.0	582	0.00
	West Bengal	6489	0	125.9	-2.6	-1.5	386	0.00
	Sikkim	83	0	1.2	1.3	0.0	23	0.00
NER	Arunachal Pradesh	125	0	2.3	2.2	-0.2	19	0.00
	Assam	1533	0	27.6	20.2	0.2	67	0.00
	Manipur	188	0	2.5	2.6	-0.2	14	0.00
	Meghalaya	340	0	6.6	4.3	0.1	33	0.00
	Mizoram	107	0	1.7	1.4	-0.2	17	0.00
	Nagaland	128	0	2.0	1.8	-0.1	16	0.00
	Tripura	258	0	4.5	3.7	0.2	56	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.1	7.6	-23.9
Day Peak (MW)	561.0	366.0	-1066.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.0	-4.3	32.6	-181.8	-2.5	0.0
Actual(MU)	161.7	-3.7	31.2	-188.0	-5.1	-3.8
O/D/U/D(MU)	5.7	0.7	-1.4	-6.1	-2.7	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8567	15531	8748	3350	559	36754	49
State Sector	11890	14959	9675	2300	173	38996	51
Total	20457	30489	18423	5650	731	75750	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	589	1153	449	562	10	2765	73
Lignite	20	7	41	0	0	68	2
Hydro	140	44	134	64	21	403	11
Nuclear	26	40	60	0	0	126	3
Gas, Naptha & Diesel	12	3	4	0	25	44	1
RES (Wind, Solar, Biomass & Others)	122	75	172	5	1	376	10
Total	909	1323	861	631	58	3782	100

Share of RES in total generation (%)	13.47	5.68	20.02	0.77	1.47	9.93
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.70	12.03	42.63	10.85	38.25	23.93

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.068

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-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	7.2	-7.2
2	HVDC	PUSAULI B/B	-	0	345	0.0	8.2	-8.2
3	765 kV	GAYA-VARANASI	2	0	1000	0.0	14.5	-14.5
4	765 kV	SASARAM-FATEHPUR	1	0	562	0.0	9.6	-9.6
5	765 kV	GAYA-BALIA	1	0	524	0.0	9.1	-9.1
6	400 kV	PUSAULI-VARANASI	1	0	212	0.0	4.3	-4.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	204	0.0	3.9	-3.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	931	0.0	16.9	-16.9
9	400 kV	PATNA-BALIA	2	0	455	0.0	8.8	-8.8
10	400 kV	NAUBATPUR-BALIA	2	0	479	0.0	9.2	-9.2
11	400 kV	BIHARSHARIFF-BALIA	2	0	362	0.0	5.5	-5.5
12	400 kV	MOTIHARI-GORAKHPUR	2	0	518	0.0	10.1	-10.1
13	400 kV	BIHARSHARIFF-VARANASI	2	0	402	0.0	6.4	-6.4
14	220 kV	SAHUPURI-KARAMNASA	1	0	133	0.0	1.6	-1.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
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	0.6	115.2	-114.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	844	355	5.6	0.0	5.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	366	717	0.0	3.2	-3.2
3	765 kV	JHARSUGUDA-DURG	2	0	591	0.0	10.6	-10.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	613	0.0	8.2	-8.2
5	400 kV	RANCHI-SIPAT	2	79	288	0.0	2.2	-2.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	129	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	81	75	0.2	0.0	0.2
					ER-WR	5.8	25.9	-20.2
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	1644	0.0	32.2	-32.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2583	0.0	41.0	-41.0
4	400 kV	TALCHER-I/C	2	315	373	0.2	0.0	0.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	80.6	-80.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	63	432	0.2	6.1	-5.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	219	509	0.0	6.4	-6.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	46	0.0	0.4	-0.4
					ER-NER	0.2	12.9	-12.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	17.4	-17.4
					NER-NR	0.0	17.4	-17.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	326	0.0	7.5	-7.5
2	HVDC	VINDHYACHAL B/B	-	0	54	0.0	1.2	-1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	1211	0	29.0	0.0	29.0
4	765 kV	GWALIOR-AGRA	2	333	1685	0.2	22.3	-22.1
5	765 kV	GWALIOR-PHAGI	2	0	2367	0.0	44.5	-44.5
6	765 kV	JABALPUR-ORAI	2	0	832	0.0	26.7	-26.7
7	765 kV	GWALIOR-ORAI	1	1044	0	21.1	0.0	21.1
8	765 kV	SATNA-ORAI	1	0	903	0.0	18.0	-18.0
9	765 kV	BANASKANTHA-CHITORGARH	2	2103	0	28.7	0.0	28.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	1700	0.0	26.0	-26.0
11	400 kV	ZERDA-KANKROLI	1	387	0	5.5	0.0	5.5
12	400 kV	ZERDA -BHINMAL	1	489	200	3.5	0.0	3.5
13	400 kV	VINDHYACHAL -RIHAND	1	959	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	155	493	0.2	3.8	-3.7
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8
17	220 kV	MEHGAON-AURAIYA	1	125	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	98	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	112.9	151.9	-39.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	20.7	0.0	20.7
2	HVDC	RAIGARH-PUGALUR	2	0	604	0.0	13.8	-13.8
3	765 kV	SOLAPUR-RAICHUR	2	2014	1576	10.7	6.3	4.4
4	765 kV	WARDHA-NIZAMABAD	2	144	1973	0.0	20.0	-19.9
5	400 kV	KOLHAPUR-KUDGI	2	1394	0	21.8	0.0	21.8
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	55.3	40.1	15.3

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	91	2.2
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	392	0	355	8.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	29	0	1	0.0
	NER	132kV GELEPHU-SALAKATI	-12	0	-7	-0.2
	NER	132kV MOTANGA-RANGIA	-23	-13	-18	-0.4
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	366	202	318	7.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-725	-866	-20.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-142	0	-131	-3.1