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 October 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 11.10.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-अक्टूबर-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 Oct 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-Oct-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)	49723	54121	42099	21977	2954	170874
Peak Shortage (MW)	1	0	0	0	0	1
Energy Met (MU)	1024	1217	899	514	52	3706
Hydro Gen (MU)	223	112	152	132	36	654
Wind Gen (MU)	3	17	21	-	-	41
Solar Gen (MU)*	113.47	44.95	85.56	4.68	0.47	249
Energy Shortage (MU)	0.41	0.17	0.00	0.73	0.00	1.31
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50783	56256	42547	22600	2998	174413
Time Of Maximum Demand Met (From NLDC SCADA)	19:08	18:34	18:47	00:01	18:02	18:47

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	0.021	0.00	0.00	1.34	1.34	78.64	20.02

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	7419	0	159.1	93.9	-1.0	148	0.00
	Haryana	6581	0	131.8	79.5	0.4	208	0.00
	Rajasthan	11271	0	248.3	82.1	1.9	293	0.00
	Delhi	3874	0	76.8	75.7	-0.9	131	0.25
	UP	15746	0	289.2	90.0	-0.2	565	0.00
	Uttarakhand	1819	0	37.4	16.6	0.3	146	0.08
	HP	1518	0	30.8	4.8	-0.5	82	0.08
	J&K(UT) & Ladakh(UT)	2486	0	46.3	34.4	0.4	222	0.00
	Chandigarh	206	0	4.0	4.3	-0.4	27	0.00
WR	Chhattisgarh	4303	0	97.3	44.1	-0.8	201	0.00
	Gujarat	19219	0	412.3	264.4	0.9	1132	0.00
	MP	9350	0	185.4	75.3	0.0	388	0.00
	Maharashtra	21595	0	467.5	182.6	-3.9	671	0.15
	Goa	628	0	12.4	12.6	-0.6	71	0.02
	DNHDDPDCL	1206	0	28.3	28.1	0.2	45	0.00
	AMNSIL	697	0	13.9	10.2	0.3	275	0.00
SR	Andhra Pradesh	8166	0	171.0	55.0	0.2	677	0.00
	Telangana	8797	0	172.0	15.9	-0.3	584	0.00
	Karnataka	8234	0	171.6	67.6	-0.8	580	0.00
	Kerala	3875	0	77.8	51.3	0.3	236	0.00
	Tamil Nadu	14694	0	297.4	172.1	0.3	582	0.00
	Puducherry	414	0	9.0	8.5	-0.2	56	0.00
ER	Bihar	5161	334	106.3	97.1	-0.5	259	0.73
	DVC	3276	0	71.8	-25.9	0.2	333	0.00
	Jharkhand	1522	0	31.6	22.5	-1.0	176	0.00
	Odisha	5253	0	119.8	34.1	0.1	598	0.00
	West Bengal	8498	0	182.7	51.3	-0.4	321	0.00
	Sikkim	100	0	1.5	1.2	0.3	61	0.00
NER	Arunachal Pradesh	115	0	2.2	2.1	-0.1	26	0.00
	Assam	1869	0	31.9	25.4	-0.2	130	0.00
	Manipur	195	0	2.6	2.7	0.0	16	0.00
	Meghalaya	352	0	6.0	1.9	0.1	84	0.00
	Mizoram	110	0	1.8	0.5	-0.1	3	0.00
	Nagaland	150	0	2.6	2.0	0.0	10	0.00
	Tripura	284	0	5.2	5.0	0.3	35	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.5	8.5	-26.2
Day Peak (MW)	2040.0	355.0	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	122.9	-18.1	40.6	-127.3	-18.1	0.0
Actual(MU)	120.5	-16.8	47.6	-134.1	-17.6	-0.4
O/D/U/D(MU)	-2.4	1.4	7.1	-6.9	0.5	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5951	16936	5498	1720	309	30414	44
State Sector	10695	16846	9730	2020	78	39369	56
Total	16646	33782	15228	3740	387	69782	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	583	1039	470	542	12	2647	68
Lignite	25	12	41	0	0	77	2
Hydro	224	112	152	132	36	656	17
Nuclear	30	36	68	0	0	134	3
Gas, Naptha & Diesel	7	3	6	0	28	44	1
RES (Wind, Solar, Biomass & Others)	123	64	144	5	0	336	9
Total	993	1264	882	678	77	3894	100

Share of RES in total generation (%)	12.40	5.02	16.37	0.68	0.61	8.63
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.04	16.66	41.33	20.12	47.52	28.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.004
Based on State Max Demands	1.026

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-Oct-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	701	0.0	16.9	-16.9
2	HVDC	PUSAULI B/B	-	2	346	0.0	8.2	-8.2
3	765 kV	GAYA-VARANASI	2	622	612	0.6	0.0	0.6
4	765 kV	SASARAM-FATEHPUR	1	110	559	0.0	3.7	-3.7
5	765 kV	GAYA-BALIA	1	25	482	0.0	5.0	-5.0
6	400 kV	PUSAULI-VARANASI	1	47	260	0.0	4.6	-4.6
7	400 kV	PUSAULI -ALLAHABAD	1	0	196	0.0	3.4	-3.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1069	0.0	16.6	-16.6
9	400 kV	PATNA-BALIA	2	0	465	0.0	6.2	-6.2
10	400 kV	NAUBATPUR-BALIA	2	0	488	0.0	6.6	-6.6
11	400 kV	BIHARSHARIFF-BALIA	2	0	436	0.0	6.0	-6.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	546	0.0	8.4	-8.4
13	400 kV	BIHARSHARIFF-VARANASI	2	213	313	0.0	1.0	-1.0
14	220 kV	SAHUPURI-KARAMNASA	1	24	129	0.0	1.3	-1.3
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	51	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	1.0	87.7	-86.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	208	683	0.0	6.1	-6.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	399	440	3.6	0.0	3.6
3	765 kV	JHARSUGUDA-DURG	2	0	510	0.0	8.4	-8.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	507	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	109	252	0.0	0.5	-0.5
6	220 kV	BUDHIPADAR-RAIGARH	1	13	114	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	175	13	2.1	0.0	2.1
					ER-WR	5.7	22.3	-16.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	545	0.0	11.4	-11.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1635	0.0	34.1	-34.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2359	0.0	34.0	-34.0
4	400 kV	TALCHER-I/C	2	688	650	5.8	0.0	5.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	79.5	-79.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	195	151	1.1	0.5	0.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	345	368	1.4	0.0	1.4
3	220 kV	ALIPURDUAR-SALAKATI	2	23	62	0.0	0.2	-0.2
					ER-NER	2.4	0.7	1.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	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	1006	0.0	24.0	-24.0
2	HVDC	VINDHYACHAL B/B	-	446	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	712	0.0	11.2	-11.2
4	765 kV	GWALIOR-AGRA	2	0	704	0.1	8.3	-8.2
5	765 kV	GWALIOR-PHAGI	2	427	2290	0.8	27.4	-26.6
6	765 kV	JABALPUR-ORAI	2	130	374	0.0	8.5	-8.5
7	765 kV	GWALIOR-ORAI	1	924	0	13.6	0.0	13.6
8	765 kV	SATNA-ORAI	1	0	849	0.0	16.4	-16.4
9	765 kV	BANASKANTHA-CHITORGARH	2	2534	0	43.0	0.0	43.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2119	0.0	37.8	-37.8
11	400 kV	ZERDA-KANKROLI	1	475	0	8.2	0.0	8.2
12	400 kV	ZERDA -BHINMAL	1	730	0	9.8	0.0	9.8
13	400 kV	VINDHYACHAL -RIHAND	1	958	0	21.5	0.0	21.5
14	400 kV	RAPP-SHUJALPUR	2	515	352	2.9	2.5	0.4
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8
17	220 kV	MEHGAON-AURAIYA	1	92	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	69	0	1.2	0.0	1.2
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	114.1	136.9	-22.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	14.3	-14.3
2	HVDC	RAIGARH-PUGALUR	2	0	2003	0.0	31.0	-31.0
3	765 kV	SOLAPUR-RAICHUR	2	2592	525	18.7	1.2	17.5
4	765 kV	WARDHA-NIZAMABAD	2	899	1396	2.3	12.7	-10.5
5	400 kV	KOLHAPUR-KUDGI	2	1546	0	25.8	0.0	25.8
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	1	110	1.8	0.0	1.8
					WR-SR	48.5	59.2	-10.6

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)	690	0	608	14.6
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1106	0	1076	25.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	222	198	199	4.8
	NER	132kV GELEPHU-SALAKATI	-34	-15	-24	-0.6
	NER	132kV MOTANGA-RANGIA	-46	-9	-22	-0.5
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-61	0	-4	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	416	194	358	8.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-946	-935	-937	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-163	0	-155	-3.7