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: 03nd 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 02.10.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02th 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:** **03-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)	56138	53674	37121	23134	3072	173139
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1240	1259	874	529	63	3965
Hydro Gen (MU)	265	98	132	123	26	644
Wind Gen (MU)	29	60	155	-	-	244
Solar Gen (MU)*	124.54	52.72	92.91	5.68	0.55	276
Energy Shortage (MU)	0.00	0.00	0.00	0.05	0.00	0.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57388	54911	39410	25340	3151	175616
Time Of Maximum Demand Met (From NLDC SCADA)	19:46	10:33	12:35	00:09	18:09	19:13

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	0.023	0.00	0.00	0.08	0.08	80.07	19.85

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	9009	0	192.8	98.6	-0.1	95	0.00
	Haryana	7138	0	152.4	99.2	-1.1	189	0.00
	Rajasthan	12441	0	270.8	90.3	0.9	353	0.00
	Delhi	4510	0	91.2	84.2	-1.3	134	0.00
	UP	21576	0	415.4	175.9	0.6	581	0.00
	Uttarakhand	1709	0	36.4	10.8	-0.6	129	0.00
	HP	1413	0	27.6	1.9	0.7	71	0.00
	J&K(UT) & Ladakh(UT)	2779	0	49.2	33.7	2.5	570	0.00
	Chandigarh	230	0	4.5	4.7	-0.2	45	0.00
WR	Chhattisgarh	4486	0	105.6	55.7	-0.8	300	0.00
	Gujarat	19002	0	403.1	248.3	-1.2	717	0.00
	MP	10804	0	236.7	124.2	0.0	286	0.00
	Maharashtra	20857	0	462.0	175.2	-1.3	676	0.00
	Goa	561	0	11.7	11.4	-0.3	53	0.00
	DNHDDPDCL	1091	0	24.9	24.9	0.0	51	0.00
	AMNSIL	690	0	15.0	8.5	0.3	275	0.00
SR	Andhra Pradesh	7972	0	173.0	33.0	-1.2	480	0.00
	Telangana	10128	0	192.2	33.4	1.2	854	0.00
	Karnataka	7190	0	149.2	43.9	-1.8	568	0.00
	Kerala	3253	0	68.3	41.5	0.3	432	0.00
	Tamil Nadu	12398	0	283.9	124.1	-3.7	376	0.00
	Puducherry	355	0	7.4	8.1	-1.4	20	0.00
ER	Bihar	6809	0	131.8	124.0	-3.4	176	0.00
	DVC	3283	0	71.7	-22.6	0.4	322	0.00
	Jharkhand	1642	0	32.9	24.6	-1.9	137	0.05
	Odisha	6322	0	130.9	57.2	-2.0	412	0.00
	West Bengal	8399	0	160.3	25.1	-1.6	296	0.00
	Sikkim	75	0	1.1	1.3	-0.1	19	0.00
NER	Arunachal Pradesh	127	0	2.3	2.2	-0.2	73	0.00
	Assam	2112	0	43.2	36.2	0.6	204	0.00
	Manipur	176	0	2.7	2.6	0.1	12	0.00
	Meghalaya	302	0	5.6	2.9	-0.2	57	0.00
	Mizoram	91	0	1.6	0.5	-0.1	4	0.00
	Nagaland	147	0	2.7	2.3	-0.2	14	0.00
	Tripura	264	0	4.8	3.7	-0.5	73	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	27.5	9.8	-25.0
Day Peak (MW)	1403.0	365.0	-1077.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.0	-28.6	-18.7	-115.7	-1.0	0.0
Actual(MU)	159.4	-20.8	-26.0	-119.7	1.8	-5.3
O/D/U/D(MU)	-4.6	7.9	-7.4	-4.0	2.8	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2717	14196	8408	250	334	25904	40
State Sector	8070	17346	10448	2550	141	38554	60
Total	10787	31542	18856	2800	474	64458	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	680	1037	393	551	11	2672	64
Lignite	21	7	49	0	0	77	2
Hydro	267	98	132	123	26	646	16
Nuclear	26	40	64	0	0	130	3
Gas, Naptha & Diesel	13	2	8	0	30	52	1
RES (Wind, Solar, Biomass & Others)	160	114	292	6	1	572	14
Total	1166	1298	938	680	67	4149	100

Share of RES in total generation (%)	13.70	8.81	31.11	0.84	0.83	13.79
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.80	19.45	52.05	18.91	39.54	32.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.078

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: 03-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	700	0.0	17.8	-17.8
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.1	-8.1
3	765 kV	GAYA-VARANASI	2	471	431	0.7	0.0	0.7
4	765 kV	SASARAM-FATEHPUR	1	173	270	0.0	0.4	-0.4
5	765 kV	GAYA-BALIA	1	0	575	0.0	9.1	-9.1
6	400 kV	PUSAULI-VARANASI	1	0	253	0.0	5.2	-5.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	185	0.0	3.4	-3.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	874	0.0	13.1	-13.1
9	400 kV	PATNA-BALIA	2	0	525	0.0	8.8	-8.8
10	400 kV	NAUBATPUR-BALIA	2	0	556	0.0	8.2	-8.2
11	400 kV	BIHARSHARIFF-BALIA	2	0	408	0.0	5.0	-5.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	490	0.0	7.2	-7.2
13	400 kV	BIHARSHARIFF-VARANASI	2	182	195	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNASA	1	36	98	0.0	0.9	-0.9
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.2	0.0	0.2
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	1.0	87.2	-86.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	748	237	7.0	0.0	7.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	588	144	14.2	0.0	14.2
3	765 kV	JHARSUGUDA-DURG	2	0	299	0.0	3.9	-3.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	603	0.0	7.4	-7.4
5	400 kV	RANCHI-SIPAT	2	228	147	3.1	0.0	3.1
6	220 kV	BUDHIPADAR-RAIGARH	1	26	93	0.0	0.8	-0.8
7	220 kV	BUDHIPADAR-KORBA	2	129	78	1.0	0.0	1.0
					ER-WR	25.2	12.0	13.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	542	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	33.0	-33.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	1943	0.0	27.8	-27.8
4	400 kV	TALCHER-I/C	2	669	244	4.7	0.0	4.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	73.2	-73.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	434	0.0	7.4	-7.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	526	0.0	8.8	-8.8
3	220 kV	ALIPURDUAR-SALAKATI	2	0	77	0.0	1.4	-1.4
					ER-NER	0.0	17.5	-17.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	17.0	-17.0
					NER-NR	0.0	17.0	-17.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1011	0.0	23.7	-23.7
2	HVDC	VINDHYACHAL B/B	-	446	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	262	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1037	0.1	14.5	-14.4
5	765 kV	GWALIOR-PHAGI	2	170	1753	0.3	23.6	-23.3
6	765 kV	JABALPUR-ORAI	2	0	755	0.0	23.6	-23.6
7	765 kV	GWALIOR-ORAI	1	685	0	10.3	0.0	10.3
8	765 kV	SATNA-ORAI	1	0	910	0.0	17.5	-17.5
9	765 kV	BANASKANTHA-CHITORGARH	2	2083	0	34.7	0.0	34.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	2840	0.0	50.3	-50.3
11	400 kV	ZERDA-KANKROLI	1	415	0	6.4	0.0	6.4
12	400 kV	ZERDA -BHINMAL	1	738	0	8.9	0.0	8.9
13	400 kV	VINDHYACHAL -RIHAND	1	965	0	20.1	0.0	20.1
14	400 kV	RAPP-SHUJALPUR	2	329	432	2.0	4.5	-2.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
17	220 kV	MEHGAON-AURAIYA	1	95	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	66	0	1.4	0.0	1.4
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	97.1	165.2	-68.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	493	0	11.9	0.0	11.9
2	HVDC	RAIGARH-PUGALUR	2	621	0	13.9	0.0	13.9
3	765 kV	SOLAPUR-RAICHUR	2	2089	80	27.6	0.0	27.6
4	765 kV	WARDHA-NIZAMABAD	2	38	1781	0.0	14.2	-14.2
5	400 kV	KOLHAPUR-KUDGI	2	1119	0	19.6	0.0	19.6
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	1	103	2.0	0.0	2.0
					WR-SR	74.9	14.2	60.7

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)	396	0	375	9.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	755	0	682	16.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	205	0	164	3.9
	NER	132kV GELEPHU-SALAKATI	31	19	25	0.6
	NER	132kV MOTANGA-RANGIA	68	40	50	1.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-66	0	-3	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	431	328	411	9.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-946	-926	-941	-22.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-131	0	-100	-2.4