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 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 06.10.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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:** **07-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)	55821	52904	40378	23365	2933	175401
Peak Shortage (MW)	0	0	0	82	0	82
Energy Met (MU)	1237	1249	891	496	54	3927
Hydro Gen (MU)	231	102	151	143	34	661
Wind Gen (MU)	6	70	131	-	-	208
Solar Gen (MU)*	116.69	31.98	52.74	4.26	0.86	207
Energy Shortage (MU)	0.37	0.00	0.00	0.14	0.00	0.51
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	58043	58042	41710	23478	3012	179719
Time Of Maximum Demand Met (From NLDC SCADA)	19:16	10:59	09:57	19:32	18:04	19:02

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	0.026	0.00	0.41	3.18	3.59	82.41	14.00

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	11542	0	241.9	153.9	-1.3	85	0.00
	Haryana	8180	0	171.1	112.5	-1.3	128	0.00
	Rajasthan	13242	0	278.2	115.7	1.9	358	0.00
	Delhi	4616	0	97.2	89.9	-0.9	156	0.00
	UP	16445	0	322.6	109.0	0.3	578	0.00
	Uttarakhand	2015	0	38.5	15.5	0.1	144	0.22
	HP	1622	0	32.4	6.9	0.2	70	0.15
	J&K(UT) & Ladakh(UT)	2730	0	50.6	37.3	1.6	763	0.00
	Chandigarh	251	0	4.9	5.0	-0.1	24	0.00
WR	Chhattisgarh	4261	0	99.8	42.3	0.4	218	0.00
	Gujarat	20161	0	418.4	257.0	4.9	1152	0.00
	MP	9493	0	206.4	81.1	0.0	595	0.00
	Maharashtra	22454	0	473.5	209.7	-0.9	661	0.00
	Goa	617	0	12.0	12.4	-0.9	38	0.00
	DNHDDPDCL	1193	0	25.3	25.3	0.0	73	0.00
	AMNSIL	662	0	13.4	7.1	0.4	319	0.00
SR	Andhra Pradesh	7869	0	166.4	41.8	0.4	764	0.00
	Telangana	8373	0	159.3	8.0	-1.0	642	0.00
	Karnataka	9032	0	163.1	54.9	-0.8	654	0.00
	Kerala	3795	0	76.6	47.5	0.0	187	0.00
	Tamil Nadu	15080	0	316.6	135.4	-2.7	706	0.00
	Puducherry	410	0	9.0	8.8	-0.5	41	0.00
ER	Bihar	5611	0	111.6	103.3	1.5	233	0.06
	DVC	3110	0	66.9	-21.3	0.3	217	0.00
	Jharkhand	1470	82	30.6	20.9	-0.9	154	0.08
	Odisha	6263	0	135.8	53.2	-1.1	479	0.00
	West Bengal	7494	0	149.6	10.7	0.5	414	0.00
	Sikkim	74	0	1.2	1.1	0.1	22	0.00
NER	Arunachal Pradesh	119	0	1.8	2.2	-0.7	41	0.00
	Assam	1894	0	34.4	25.8	-0.1	135	0.00
	Manipur	196	0	2.6	2.7	-0.1	16	0.00
	Meghalaya	336	0	6.1	2.3	0.0	47	0.00
	Mizoram	112	0	1.5	0.5	-0.3	5	0.00
	Nagaland	150	0	2.5	2.1	-0.2	8	0.00
	Tripura	273	0	5.3	4.7	-0.3	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.8	8.9	-26.1
Day Peak (MW)	1955.0	369.0	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	237.7	-59.7	4.6	-168.9	-13.7	0.0
Actual(MU)	239.9	-50.5	-5.4	-173.7	-16.2	-5.8
O/D/U/D(MU)	2.1	9.2	-10.0	-4.8	-2.4	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4597	15171	8958	1360	309	30394	45
State Sector	8565	17691	7218	3150	78	36702	55
Total	13162	32862	16176	4510	387	67096	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	656	1063	434	558	12	2723	66
Lignite	25	13	50	0	0	87	2
Hydro	233	102	151	143	34	663	16
Nuclear	30	40	64	0	0	134	3
Gas, Naptha & Diesel	11	2	7	0	31	50	1
RES (Wind, Solar, Biomass & Others)	130	104	216	4	1	455	11
Total	1084	1324	922	705	77	4109	100

Share of RES in total generation (%)	11.81	7.83	23.43	0.60	1.11	11.01
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.12	18.56	46.78	20.83	44.63	30.39

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.064

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-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	702	0.0	16.7	-16.7
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.6	-8.6
3	765 kV	GAYA-VARANASI	2	0	947	0.0	12.9	-12.9
4	765 kV	SASARAM-FATEHPUR	1	0	555	0.0	8.1	-8.1
5	765 kV	GAYA-BALIA	1	0	543	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	0	212	0.0	4.2	-4.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	219	0.0	4.2	-4.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	978	0.0	19.0	-19.0
9	400 kV	PATNA-BALIA	2	0	608	0.0	11.5	-11.5
10	400 kV	NAUBATPUR-BALIA	2	0	644	0.0	12.3	-12.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	502	0.0	9.4	-9.4
12	400 kV	MOTIHARI-GORAKHPUR	2	0	556	0.0	10.5	-10.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	350	0.0	4.4	-4.4
14	220 kV	SAHUPURI-KARAMNASA	1	8	86	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	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	0	45	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	132.7	-132.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	345	481	0.0	2.5	-2.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	346	406	0.4	0.0	0.4
3	765 kV	JHARSUGUDA-DURG	2	0	533	0.0	9.0	-9.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	557	0.0	8.4	-8.4
5	400 kV	RANCHI-SIPAT	2	129	269	0.0	1.4	-1.4
6	220 kV	BUDHIPADAR-RAIGARH	1	31	94	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	132	0	1.9	0.0	1.9
					ER-WR	2.3	22.0	-19.7
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	1479	0.0	32.8	-32.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	1847	0.0	27.6	-27.6
4	400 kV	TALCHER-I/C	2	531	0	10.6	0.0	10.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	72.7	-72.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	118	184	0.3	0.8	-0.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	232	182	1.1	0.0	1.1
3	220 kV	ALIPURDUAR-SALAKATI	2	4	47	0.0	0.5	-0.5
					ER-NER	1.4	1.2	0.2
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	1005	0.0	23.1	-23.1
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	1560	0.1	20.9	-20.8
5	765 kV	GWALIOR-PHAGI	2	0	2422	0.0	41.1	-41.1
6	765 kV	JABALPUR-ORAI	2	0	825	0.0	28.3	-28.3
7	765 kV	GWALIOR-ORAI	1	880	0	13.9	0.0	13.9
8	765 kV	SATNA-ORAI	1	0	975	0.0	21.1	-21.1
9	765 kV	BANASKANTHA-CHITORGARH	2	2078	0	25.9	0.0	25.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	2607	0.0	36.4	-36.4
11	400 kV	ZERDA-KANKROLI	1	399	32	4.6	0.0	4.6
12	400 kV	ZERDA -BHINMAL	1	616	160	4.7	0.0	4.7
13	400 kV	VINDHYACHAL -RIHAND	1	954	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	108	707	0.1	8.6	-8.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7
17	220 kV	MEHGAON-AURAIYA	1	76	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	53	13	0.9	0.0	0.9
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	84.7	186.5	-101.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	12.1	-12.1
2	HVDC	RAIGARH-PUGALUR	2	0	606	0.0	14.5	-14.5
3	765 kV	SOLAPUR-RAICHUR	2	2253	0	34.4	0.0	34.4
4	765 kV	WARDHA-NIZAMABAD	2	864	1147	5.6	4.9	0.6
5	400 kV	KOLHAPUR-KUDGI	2	1185	0	21.2	0.0	21.2
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	106	2.0	0.0	2.0
					WR-SR	63.2	31.6	31.6

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)	613	0	562	13.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1096	0	1045	25.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	206	0	185	4.4
	NER	132kV GELEPHU-SALAKATI	-30	0	-24	-0.6
	NER	132kV MOTANGA-RANGIA	-46	-8	-25	-0.6
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-42	0	-4	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	411	339	375	9.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-950	-947	-948	-22.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-154	0	-138	-3.3