



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 15th 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., डोंगतेह, 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 14.10.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-अक्टूबर-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 14th 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: 15-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)	51934	53842	41957	23235	3051	174019
Peak Shortage (MW)	70	0	0	228	0	298
Energy Met (MU)	1083	1202	904	517	56	3762
Hydro Gen (MU)	212	101	134	144	32	623
Wind Gen (MU)	6	48	30	-	-	84
Solar Gen (MU)*	119.27	52.37	92.81	5.48	0.67	271
Energy Shortage (MU)	1.17	0.00	0.00	1.01	0.00	2.18
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53289	55745	42107	23737	3157	176171
Time Of Maximum Demand Met (From NLDC SCADA)	19:17	18:46	18:43	19:22	17:59	19:17

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	0.032	0.00	0.05	2.75	2.80	71.15	26.05

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	8400	0	172.1	93.9	-1.6	137	0.00
	Haryana	6678	0	143.3	77.5	1.0	306	0.00
	Rajasthan	11495	0	247.4	77.7	1.4	214	0.00
	Delhi	4001	0	79.4	78.0	-0.5	192	0.00
	UP	17383	0	318.9	104.5	-1.6	338	0.05
	Uttarakhand	1856	0	37.0	16.6	0.2	217	0.14
	HP	1689	0	31.8	10.2	0.0	75	0.00
	J&K(UT) & Ladakh(UT)	2550	0	49.0	37.4	2.1	574	0.98
WR	Chandigarh	203	0	3.8	3.7	0.1	42	0.00
	Chhattisgarh	4322	0	98.9	44.9	-0.6	218	0.00
	Gujarat	19213	0	406.1	237.3	-0.4	482	0.00
	MP	9580	0	190.5	75.7	0.0	466	0.00
	Maharashtra	21025	0	452.5	175.0	0.3	738	0.00
	Goa	608	0	12.3	12.7	-0.7	76	0.00
	DNHDDPDCL	1214	0	28.1	28.1	0.0	59	0.00
SR	AMNSIL	608	0	13.5	8.1	-0.2	202	0.00
	Andhra Pradesh	8255	0	173.8	68.1	0.7	737	0.00
	Telangana	9338	0	176.9	36.6	-1.1	980	0.00
	Karnataka	8306	0	157.3	60.4	-0.7	787	0.00
	Kerala	3834	0	77.5	50.3	0.2	198	0.00
	Tamil Nadu	14770	0	309.2	173.9	-1.8	435	0.00
	Puducherry	413	0	9.2	8.8	-0.3	61	0.00
ER	Bihar	5730	0	113.9	103.5	0.5	242	0.22
	DVC	3343	0	73.8	-27.9	1.6	468	0.00
	Jharkhand	1476	0	32.0	22.3	-0.7	206	0.79
	Odisha	5833	0	121.1	31.7	-0.9	507	0.00
	West Bengal	8501	0	174.6	36.0	0.2	375	0.00
	Sikkim	111	0	1.6	1.6	0.0	26	0.00
	NER	Arunachal Pradesh	125	0	2.2	2.2	-0.2	30
Assam		1983	0	35.4	28.3	0.1	109	0.00
Manipur		196	0	2.6	2.6	0.1	45	0.00
Meghalaya		347	0	6.3	1.7	-0.1	46	0.00
Mizoram		103	0	1.6	0.6	-0.2	3	0.00
Nagaland		159	0	2.5	2.0	0.0	19	0.00
Tripura		305	0	5.4	4.7	-0.1	55	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	38.5	8.2	-25.8
Day Peak (MW)	1884.0	386.0	-1101.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	152.4	-46.0	63.2	-160.0	-9.6	0.0
Actual(MU)	155.5	-50.6	64.1	-165.2	-8.3	-4.4
OD/UD(MU)	3.1	-4.5	1.0	-5.2	1.3	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7672	18291	6598	1000	309	33869	48
State Sector	7715	16966	9340	2160	78	36259	52
Total	15387	35257	15938	3160	387	70128	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	597	1021	456	560	9	2644	67
Lignite	25	14	41	0	0	81	2
Hydro	213	101	134	144	32	624	16
Nuclear	31	36	69	0	0	135	3
Gas, Naptha & Diesel	7	3	7	0	29	46	1
RES (Wind, Solar, Biomass & Others)	132	102	167	5	1	407	10
Total	1005	1277	873	710	71	3937	100
Share of RES in total generation (%)	13.17	7.95	19.07	0.77	0.95	10.33	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.41	18.66	42.25	21.10	45.80	29.61	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.011
Based on State Max Demands	1.044

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: 15-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	16.8	-16.8	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.3	-8.3	
3	765 kV	GAYA-VARANASI	2	434	606	0.0	2.2	-2.2	
4	765 kV	SASARAM-FATEHPUR	1	0	584	0.0	6.6	-6.6	
5	765 kV	GAYA-BALIA	1	0	532	0.0	8.1	-8.1	
6	400 kV	PUSAULI-VARANASI	1	0	223	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	226	0.0	4.3	-4.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1056	0.0	18.2	-18.2	
9	400 kV	PATNA-BALIA	2	0	575	0.0	9.8	-9.8	
10	400 kV	NAUBATPUR-BALIA	2	0	612	0.0	10.1	-10.1	
11	400 kV	BHARSHARIFF-BALIA	2	0	446	0.0	7.1	-7.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	614	0.0	10.3	-10.3	
13	400 kV	BHARSHARIFF-VARANASI	2	88	286	0.0	2.2	-2.2	
14	220 kV	SAHUPUR-KARMANASA	1	24	96	0.0	1.2	-1.2	
15	132 kV	NAGAR UNTARI-BIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-BIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	49	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	109.1	-108.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	738	0	9.9	0.0	9.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	488	664	1.7	0.0	1.7	
3	765 kV	JHARSUGUDA-DURG	2	0	473	0.0	6.8	-6.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	518	0.0	6.2	-6.2	
5	400 kV	RANCHI-SIPAT	2	141	249	0.0	0.7	-0.7	
6	220 kV	BUDHIPADAR-RAIGARH	1	22	107	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	150	18	1.9	0.0	1.9	
						ER-WR	13.5	14.7	-1.2
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	544	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1641	0.0	39.6	-39.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2458	0.0	41.7	-41.7	
4	400 kV	TALCHER-J/C	2	239	646	0.0	0.8	-0.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	93.8	-93.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	271	0.0	3.2	-3.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	52	325	0.0	3.2	-3.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	55	0.0	0.8	-0.8	
						ER-NER	0.0	7.1	-7.1
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	1009	0.0	23.9	-23.9	
2	HVDC	VINDHYACHAL B/B	-	441	0	0	7.9	-7.9	
3	HVDC	MUNDRAMOHINDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	1111	0.0	17.3	-17.3	
5	765 kV	GWALIOR-PHAGI	2	277	1973	0.3	27.0	-26.7	
6	765 kV	JABALPUR-ORAI	2	0	398	0.0	12.3	-12.3	
7	765 kV	GWALIOR-ORAI	1	918	0	13.9	0.0	13.9	
8	765 kV	SATNA-ORAI	1	0	828	0.0	18.6	-18.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	2059	0	36.5	0.0	36.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2128	0.0	35.6	-35.6	
11	400 kV	ZERDA-KANKROLI	1	386	0	6.7	0.0	6.7	
12	400 kV	ZERDA-BHINMAL	1	591	0	7.9	0.0	7.9	
13	400 kV	VINDHYACHAL -RIHAND	1	955	0	21.3	0.0	21.3	
14	400 kV	KAPP-SHUALPUR	2	369	269	1.9	2.6	-0.7	
15	220 kV	BHANPURA-RANPUR	1	0	23	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.1	-1.1	
17	220 kV	MEHGAON-AURAIYA	1	96	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	71	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	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	98.2	138.5	-40.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	312	0.0	7.2	-7.2	
2	HVDC	RAIGARH-PUGALUR	2	0	606	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	1628	638	9.0	2.1	6.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2061	0.0	22.5	-22.5	
5	400 kV	KOLHAPUR-KUDGI	2	1438	0	23.7	0.0	23.7	
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	114	2.2	0.0	2.2	
						WR-SR	35.0	46.3	-11.4
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	538	0	460	11.0			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*150MW)	1080	0	1017	24.4			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	203	0	188	4.5			
	NER	132kV GELEPHU-SALAKATI	-29	0	-24	-0.6			
	NER	132kV MOTANGA-RANGIA	-53	-21	-38	-0.9			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-66	0	-5	-0.1			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	452	272	348	8.3			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-937	-930	-933	-22.4			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-143	-3.4			