



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: 09th 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 08.10.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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: 09-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)	49017	53767	41722	24032	2833	171371
Peak Shortage (MW)	360	0	0	817	10	1187
Energy Met (MU)	1095	1196	921	528	54	3794
Hydro Gen (MU)	225	104	165	131	32	657
Wind Gen (MU)	32	46	33	-	-	111
Solar Gen (MU)*	94.80	39.19	104.42	4.87	0.63	244
Energy Shortage (MU)	2.00	0.00	0.00	5.34	0.05	7.39
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50567	55629	42180	24369	2855	174763
Time Of Maximum Demand Met (From NLDC SCADA)	19:25	18:57	18:39	19:24	18:14	18:57

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	0.041	0.25	0.95	7.34	8.54	79.18	12.28

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	10200	0	205.3	130.2	-1.8	61	0.00
	Haryana	6387	0	140.4	90.1	-1.9	164	0.00
	Rajasthan	11140	0	243.0	67.7	-2.7	356	0.00
	Delhi	3795	0	78.7	77.7	-0.9	137	0.00
	UP	16186	0	300.9	86.9	0.6	425	0.95
	Uttarakhand	1858	0	37.2	16.6	0.7	166	0.00
	HP	1687	0	34.5	9.9	-0.1	78	0.00
	J&K(UT) & Ladakh(UT)	2649	0	51.0	40.2	1.2	416	1.05
	Chandigarh	226	0	4.5	4.5	-0.1	26	0.00
	WR	Chhattisgarh	4287	0	99.4	44.4	-0.4	175
Gujarat		18865	0	402.4	243.9	-2.6	479	0.00
MP		9602	0	191.2	71.4	-3.8	318	0.00
Maharashtra		21424	0	449.7	180.9	-1.9	557	0.00
Goa		632	0	11.7	12.3	-1.0	207	0.00
DNHDDPDCL		1205	0	28.0	27.8	0.2	84	0.00
AMNSIL		658	0	13.5	7.4	-0.1	263	0.00
SR	Andhra Pradesh	8178	0	171.6	58.5	-1.2	353	0.00
	Telangana	8560	0	168.1	24.7	-1.8	855	0.00
	Karnataka	8890	0	175.1	55.9	1.0	798	0.00
	Kerala	3692	0	74.6	48.1	0.5	192	0.00
	Tamil Nadu	14803	0	322.3	187.5	2.6	1145	0.00
	Puducherry	400	0	9.3	8.8	-0.3	58	0.00
	ER	Bihar	5794	452	118.0	106.6	1.0	546
DVC		3170	0	71.2	-22.9	0.6	194	0.00
Jharkhand		1808	0	32.4	23.8	0.0	222	0.95
Odisha		5870	0	131.8	45.3	-0.8	589	0.00
West Bengal		8337	0	173.3	35.8	-0.5	386	0.00
NER	Sikkim	82	0	1.3	1.4	-0.1	21	0.00
	Arunachal Pradesh	112	0	2.1	2.1	-0.2	25	0.00
	Assam	1774	0	34.7	27.5	0.2	95	0.00
	Manipur	183	0	2.6	2.7	-0.1	14	0.00
	Meghalaya	324	0	6.0	2.5	0.1	54	0.00
	Mizoram	102	0	1.5	0.4	-0.2	53	0.05
	Nagaland	140	0	2.5	2.2	-0.2	17	0.00
	Tripura	295	0	5.1	5.1	0.2	91	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	31.4	9.7	-26.3
Day Peak (MW)	1619.0	426.0	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	153.2	-74.1	68.1	-131.7	-15.4	0.0
Actual(MU)	145.2	-85.2	83.1	-137.3	-12.1	-6.3
O/D/U/D(MU)	-8.0	-11.1	66.2	-5.5	3.4	45.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5682	15446	7968	1070	309	30474	45
State Sector	9125	14626	10800	2410	179	37140	55
Total	14807	30072	18768	3480	488	67614	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	612	1056	407	561	12	2648	66
Lignite	24	15	53	0	0	92	2
Hydro	226	104	165	131	32	658	17
Nuclear	30	40	64	0	0	134	3
Gas, Naptha & Diesel	5	3	6	0	29	43	1
RES (Wind, Solar, Biomass & Others)	134	87	184	5	1	410	10
Total	1031	1305	879	697	74	3985	100

Share of RES in total generation (%)	12.98	6.66	20.96	0.70	0.86	10.30
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.80	17.69	47.00	19.54	44.28	30.17

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.005
Based on State Max Demands	1.049

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: 09-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	16.1	-16.1	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.6	-8.6	
3	765 kV	GAYALYANASI	2	457	611	0.0	0.5	-0.5	
4	765 kV	SASARAM-FATEHPUR	1	83	294	0.0	1.9	-1.9	
5	765 kV	GAYA-BALIA	1	0	392	0.0	6.6	-6.6	
6	400 kV	PUSAULI-VARANASI	1	0	241	0.0	5.1	-5.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	184	0.0	3.5	-3.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	981	0.0	16.2	-16.2	
9	400 kV	PATNA-BALIA	2	0	535	0.0	6.5	-6.5	
10	400 kV	NAUBATPUR-BALIA	2	0	560	0.0	7.5	-7.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	408	0.0	5.2	-5.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	589	0.0	8.3	-8.3	
13	400 kV	BIHARSHARIFF-VARANASI	2	181	229	0.0	0.3	-0.3	
14	220 kV	SINPUR-BIKARANMANSI	1	31	106	0.0	2.1	-2.1	
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	56	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	88.3	-87.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	655	303	2.3	0.0	2.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	327	514	2.0	0.0	2.0	
3	765 kV	JHARSUGUDA-DURG	2	0	427	0.0	5.4	-5.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	115	383	0.0	2.6	-2.6	
5	400 kV	RANCHI-SIPAT	2	134	286	0.0	0.1	-0.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	36	102	0.0	0.6	-0.6	
7	220 kV	BUDHIPADAR-KORBA	2	180	0	2.5	0.0	2.5	
						ER-WR	6.8	8.6	-1.9
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	1623	0.0	38.5	-38.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2598	0.0	41.6	-41.6	
4	400 kV	TALCHER-I/C	2	290	579	2.5	2.5	0.0	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	92.4	-92.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	74	203	0.1	2.1	-2.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	210	223	0.0	0.7	-0.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	6	83	0.0	0.5	-0.5	
						ER-NER	0.1	3.3	-3.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	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	2016	0.0	40.9	-40.9	
2	HVDC	VINDHYACHAL B/B	-	447	0	11.0	0.0	11.0	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	511	0.0	6.8	-6.8	
4	765 kV	GWALIOR-AGRA	2	81	1057	0.1	12.8	-12.7	
5	765 kV	GWALIOR-PHAGI	2	42	1760	0.0	23.9	-23.9	
6	765 kV	JABALPUR-ORAI	2	23	458	0.0	11.1	-11.1	
7	765 kV	GWALIOR-ORAI	1	725	0	11.7	0.0	11.7	
8	765 kV	SATNA-ORAI	1	0	772	0.0	16.1	-16.1	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	1888	0	32.2	0.0	32.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2039	0.0	36.1	-36.1	
11	400 kV	ZERDA-KANKROLI	1	406	0	6.6	0.0	6.6	
12	400 kV	ZERDA-JBHINMAL	1	688	0	9.3	0.0	9.3	
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHILAIIPUR	2	275	330	1.6	2.1	-0.5	
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	77	1	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	57	9	0.8	0.0	0.8	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	95.8	150.4	-54.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	809	0.0	8.7	-8.7	
2	HVDC	RAIGARH-PUGALUR	2	0	606	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	1167	1358	6.7	8.0	-1.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	1878	0.0	22.5	-22.5	
5	400 kV	KOLHAPUR-KUDCI	2	848	0	12.5	0.0	12.5	
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	113	2.1	0.0	2.1	
						WR-SR	21.3	53.9	-32.6
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)	486	0	418	10.0			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	866	0	775	18.6			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	273	0	171	4.1			
	NER	132kV GELEPHU-SALAKATI	25	12	19	0.5			
	NER	132kV MOTANGA-RANGIA	45	31	39	0.9			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-30	0	-2	0.0			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	456	287	408	9.8			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-948	-943	-945	-22.7			
	NER	132kV COMILLA-SURAJMANNAGAR 1&2	-172	0	-151	-3.6			