



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: 13th 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 12.10.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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: 13-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)	51559	54466	42318	22163	2883	173389
Peak Shortage (MW)	70	0	0	325	0	395
Energy Met (MU)	1063	1216	922	493	52	3746
Hydro Gen (MU)	237	108	158	141	35	680
Wind Gen (MU)	9	17	17	-	-	43
Solar Gen (MU)*	114.22	46.33	80.94	4.48	0.42	246
Energy Shortage (MU)	1.36	0.00	0.00	1.71	0.00	3.07
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52131	56455	42728	22651	2931	175546
Time Of Maximum Demand Met (From NLDC SCADA)	19:06	19:01	19:20	19:46	18:05	19:06

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	0.10	1.85	1.96	77.00	21.04

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	8157	0	168.1	99.7	-1.0	133	0.00
	Haryana	6585	0	138.5	78.0	-1.4	216	0.00
	Rajasthan	11368	0	247.8	78.1	1.1	254	0.00
	Delhi	4013	0	79.4	78.1	-0.7	144	0.00
	UP	17343	0	308.0	97.0	-0.6	712	1.00
	Uttarakhand	1930	35	37.9	16.0	0.3	178	0.11
	HP	1771	0	33.2	8.1	0.0	60	0.00
	J&K(UT) & Ladakh(UT)	2441	0	46.6	37.0	0.0	251	0.25
	Chandigarh	207	0	3.9	4.2	-0.3	12	0.00
	Chhattisgarh	4209	0	96.7	42.3	-0.4	441	0.00
WR	Gujarat	18954	0	410.6	279.0	-1.3	603	0.00
	MP	9669	0	192.2	79.3	0.0	364	0.00
	Maharashtra	21882	0	462.0	181.6	-0.2	783	0.00
	Goa	630	0	12.5	12.6	-0.5	155	0.00
	DNHDDPDCL	1203	0	27.8	27.8	0.0	59	0.00
	AMNSIL	631	0	13.9	10.4	0.1	206	0.00
SR	Andhra Pradesh	8262	0	176.0	63.8	2.4	789	0.00
	Telangana	9400	0	180.7	36.2	1.1	720	0.00
	Karnataka	8303	0	173.5	67.0	-1.0	518	0.00
	Kerala	3875	0	77.9	51.1	0.4	212	0.00
	Tamil Nadu	14789	0	304.8	173.7	0.8	527	0.00
	Puducherry	413	0	9.2	8.4	0.1	84	0.00
	Bihar	5301	241	102.5	92.4	1.1	224	1.42
ER	DVC	3335	0	71.6	-27.5	0.7	321	0.00
	Jharkhand	1506	88	30.0	21.7	-1.5	256	0.29
	Odisha	5261	0	119.2	33.2	0.4	470	0.00
	West Bengal	7822	0	168.4	40.8	-0.9	404	0.00
	Sikkim	97	0	1.5	1.7	-0.1	15	0.00
NER	Arunachal Pradesh	133	0	2.3	2.3	-0.2	20	0.00
	Assam	1800	0	31.7	26.0	-1.0	121	0.00
	Manipur	197	0	2.7	2.7	0.0	25	0.00
	Meghalaya	347	0	6.1	2.1	0.0	27	0.00
	Mizoram	107	0	1.7	0.8	0.0	34	0.00
	Nagaland	141	0	2.6	2.0	0.0	23	0.00
	Tripura	276	0	5.1	4.9	0.1	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	45.2	10.5	-26.1
Day Peak (MW)	2054.0	427.0	-1104.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	121.2	-6.9	64.0	-161.7	-16.1	0.6
Actual(MU)	116.0	-4.9	79.0	-177.2	-16.9	-4.1
O/D/U/D(MU)	-5.3	2.0	15.0	-15.5	-0.8	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7372	15841	5498	1055	559	30324	44
State Sector	9945	17281	9130	1810	78	38244	56
Total	17317	33122	14628	2865	637	68568	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	596	1030	461	553	12	2651	67
Lignite	25	12	45	0	0	82	2
Hydro	238	108	158	141	35	681	17
Nuclear	30	35	67	0	0	133	3
Gas, Naptha & Diesel	7	4	6	0	28	45	1
RES (Wind, Solar, Biomass & Others)	130	65	137	5	0	337	9
Total	1027	1234	875	698	76	3930	100

Share of RES in total generation (%)	12.69	5.17	15.70	0.65	0.55	8.58
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.85	16.63	41.44	20.90	46.32	29.29

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.008
Based on State Max Demands	1.039

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)

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Date of Reporting: 13-Oct-2022		NET (MU)	
						Import (MU)	Export (MU)		
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	700	0.0	17.3	-17.3	
2	HVDC	PUSAULI-BB	-	0	346	0.0	8.6	-8.6	
3	765 kV	GAYA-VARANASI	2	382	606	0.0	2.3	-2.3	
4	765 kV	SASARAM-FATEHPUR	1	0	490	0.0	5.9	-5.9	
5	765 kV	GAYA-BALIA	1	0	484	0.0	7.1	-7.1	
6	400 kV	PUSAULI-VARANASI	1	0	236	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	206	0.0	4.2	-4.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1096	0.0	20.1	-20.1	
9	400 kV	PATNA-BALIA	2	0	580	0.0	9.9	-9.9	
10	400 kV	NAUBATPUR-BALIA	2	0	621	0.0	10.4	-10.4	
11	400 kV	BIHARSHARIF-BALIA	2	0	561	0.0	8.6	-8.6	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	608	0.0	10.5	-10.5	
13	400 kV	BIHARSHARIF-VARANASI	2	82	304	0.0	2.4	-2.4	
14	220 kV	SAHUPURI-KARAMNANA	1	23	129	0.0	1.2	-1.2	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.2	0.0	0.2	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	53	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	112.8	-112.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	386	255	1.4	0.0	1.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	225	703	0.0	2.1	-2.1	
3	765 kV	JHARSUGUDA-DURG	2	0	540	0.0	9.4	-9.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	10	484	0.0	6.4	-6.4	
5	400 kV	RANCHI-SIPAT	2	46	254	0.0	2.1	-2.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	21	104	0.0	0.8	-0.8	
7	220 kV	BUDHIPADAR-KORBA	2	166	0	2.4	0.0	2.4	
						ER-WR	3.7	20.7	-17.0
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	552	0.0	11.8	-11.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	38.2	-38.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2548	0.0	46.8	-46.8	
4	400 kV	TALCHER-J/C	2	649	646	2.1	0.0	2.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	96.8	-96.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	163	77	0.6	0.3	0.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	275	175	0.8	0.0	0.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	20	32	0.0	0.2	-0.2	
						ER-NER	1.4	0.5	0.9
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	1019	0.0	24.1	-24.1	
2	HVDC	VINDHYACHAL B/B	-	445	0	11.1	0.0	11.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	310	0.0	3.4	-3.4	
4	765 kV	GWALIOR-AGRA	2	197	560	0.0	7.4	-7.4	
5	765 kV	GWALIOR-PHAGI	2	61	1759	0.0	24.6	-24.6	
6	765 kV	JABALPUR-ORAI	2	95	272	0.0	7.0	-7.0	
7	765 kV	GWALIOR-ORAI	1	856	0	13.7	0.0	13.7	
8	765 kV	SATNA-ORAI	1	0	783	0.0	16.3	-16.3	
9	765 kV	BANASKANTHA-CHITORGARH	2	2567	0	46.5	0.0	46.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1832	0.0	31.1	-31.1	
11	400 kV	ZERDA-KANKROLI	1	518	0	9.0	0.0	9.0	
12	400 kV	ZERDA-BHINMAL	1	781	0	11.3	0.0	11.3	
13	400 kV	VINDHYACHAL-RIHAND	1	949	0	21.5	0.0	21.5	
14	400 kV	RAPP-SHULALPUR	2	465	171	1.7	0.0	1.7	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.9	-0.9	
17	220 kV	MEHGAON-AURAIYA	1	110	0	1.2	0.0	1.2	
18	220 kV	MALANPUR-AURAIYA	1	108	0	0.7	0.0	0.7	
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	116.8	114.9	1.9
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	1082	761	1.3	0.0	1.3	
4	765 kV	WARDHA-NIZAMABAD	2	0	2061	0.0	28.7	-28.7	
5	400 kV	KOLHAPUR-KUDGI	2	1269	0	23.2	0.0	23.2	
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	109	2.1	0.0	2.1	
						WR-SR	26.6	50.5	-23.9
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)	721	0	678			16.3	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1092	0	1069			25.7	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	224	209	209			5.0	
	NER	132kV GELEPHU-SALAKATI	-33	0	-24			-0.6	
	NER	132kV MOTANGA-RANGIA	-47	-8	-23			-0.6	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0			0.0	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0			0.0	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	427	289	427			10.5	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-908	-938			-22.5	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-162	0	-152			-3.6	