



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: 10th November 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 09.11.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-नवंबर-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 09th November 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: 10-Nov-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)	47751	55204	42635	20863	2690	169143
Peak Shortage (MW)	12	0	0	441	0	453
Energy Met (MU)	1042	1339	951	427	48	3807
Hydro Gen (MU)	145	43	118	61	19	386
Wind Gen (MU)	6	44	33	-	-	82
Solar Gen (MU)*	87.55	48.12	108.49	4.95	0.88	250
Energy Shortage (MU)	5.61	0.00	0.00	4.49	0.00	10.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50233	63397	46670	21565	2793	178753
Time Of Maximum Demand Met (From NLDC SCADA)	11:25	11:04	09:44	18:06	17:25	11:23

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	0.030	0.00	0.17	4.79	4.96	79.41	15.62

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	6209	0	125.4	36.2	-1.0	30	0.00
	Haryana	6262	0	127.4	63.1	-0.4	169	0.00
	Rajasthan	15272	0	283.1	123.5	3.0	319	4.13
	Delhi	3713	0	72.9	65.3	-1.2	136	0.00
	UP	15925	0	307.3	75.4	0.4	451	0.49
	Uttarakhand	1884	0	36.6	25.0	0.2	111	0.17
	HP	1825	0	32.2	19.4	0.0	91	0.00
	J&K(UT) & Ladakh(UT)	2800	0	53.8	46.8	2.0	979	0.82
	Chandigarh	186	0	3.4	3.7	-0.3	18	0.00
	WR	Chhattisgarh	3999	0	87.8	33.4	-0.2	265
Gujarat		18788	0	393.5	232.2	-0.4	689	0.00
MP		14209	0	292.0	185.8	-3.2	603	0.00
Maharashtra		24696	0	525.1	165.9	-0.5	616	0.00
Goa		622	0	12.6	12.4	0.0	33	0.00
DNHDDPDCL		1195	0	27.4	27.2	0.2	45	0.00
AMNSIL		15414	0	0.7	9.2	-0.1	333	0.00
SR	Andhra Pradesh	9605	0	190.9	78.7	-0.2	612	0.00
	Telangana	9233	0	171.5	19.8	0.1	392	0.00
	Karnataka	11544	0	207.4	75.2	-1.1	630	0.00
	Kerala	3931	0	77.2	54.3	0.2	206	0.00
	Tamil Nadu	14555	0	294.9	173.0	-0.3	452	0.00
	Puducherry	396	0	8.7	8.2	-0.1	44	0.00
ER	Bihar	4968	0	82.8	74.8	-0.6	312	0.84
	DVC	3289	0	69.1	-37.5	0.1	267	0.00
	Jharkhand	1447	0	27.7	18.6	0.2	265	3.65
	Odisha	5334	0	111.9	29.4	-1.1	492	0.00
	West Bengal	7122	0	134.2	-1.3	-0.2	354	0.00
	Sikkim	105	0	1.6	1.6	0.1	33	0.00
NER	Arunachal Pradesh	121	0	2.0	1.8	-0.1	23	0.00
	Assam	1630	0	28.9	21.1	0.6	142	0.00
	Manipur	208	0	2.7	2.7	0.1	27	0.00
	Meghalaya	372	0	6.7	4.5	0.2	71	0.00
	Mizoram	129	0	1.8	1.4	-0.2	11	0.00
	Nagaland	141	0	2.1	1.8	0.0	24	0.00
	Tripura	252	0	4.2	3.4	-0.3	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.6	7.3	-23.7
Day Peak (MW)	511.0	367.0	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	174.3	-51.3	74.5	-192.4	-5.0	0.0
Actual(MU)	180.7	-57.4	79.8	-203.4	-6.4	-6.6
O/D/U/D(MU)	6.5	-6.0	5.3	-11.0	-1.4	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8567	11856	7448	2230	617	30718	46
State Sector	9730	14660	8623	3300	131	36443	54
Total	18297	26515	16071	5530	748	67160	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	625	1259	497	575	11	2968	74
Lignite	24	10	43	0	0	77	2
Hydro	146	43	118	61	19	386	10
Nuclear	26	28	70	0	0	124	3
Gas, Naptha & Diesel	16	4	5	0	30	56	1
RES (Wind, Solar, Biomass & Others)	107	92	190	5	1	395	10
Total	943	1437	923	641	61	4005	100

Share of RES in total generation (%)	11.33	6.42	20.56	0.77	1.44	9.85
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.48	11.38	40.90	10.27	32.99	22.59

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.160

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: 10-Nov-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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.9	-8.9	
3	765 kV	GAYA-VARANASI	2	0	761	0.0	13.5	-13.5	
4	765 kV	SASARAM-FATEHPUR	1	0	557	0.0	10.9	-10.9	
5	765 kV	GAYA-BALIA	1	0	597	0.0	10.7	-10.7	
6	400 kV	PUSAULI-VARANASI	1	0	191	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	207	0.0	4.3	-4.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	872	0.0	18.0	-18.0	
9	400 kV	PATNA-BALIA	2	0	643	0.0	12.4	-12.4	
10	400 kV	NAUBATPUR-BALIA	2	0	697	0.0	12.7	-12.7	
11	400 kV	BIHARSHARIFF-BALIA	2	0	457	0.0	7.9	-7.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	551	0.0	11.2	-11.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	366	0.0	4.7	-4.7	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	121	0.0	1.7	-1.7	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
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	0.4	121.0	-120.6
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	943	590	1.3	0.0	1.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	261	877	0.0	1.9	-1.9	
3	765 kV	JHARSUGUDA-DURG	2	0	552	0.0	8.2	-8.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	36	560	0.0	5.0	-5.0	
5	400 kV	RANCHI-SIPAT	2	79	258	0.0	0.4	-0.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	110	0.0	1.3	-1.3	
7	220 kV	BUDHIPADAR-KORBA	2	103	17	1.2	0.0	1.2	
						ER-WR	2.5	16.8	-14.4
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	755	0.0	17.4	-17.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	47.3	-47.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1883	0.0	35.0	-35.0	
4	400 kV	TALCHER-T/C	2	0	706	0.0	14.4	-14.4	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	99.7	-99.7
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	13	375	0.0	4.1	-4.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	16	530	0.0	5.7	-5.7	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	38	0.0	0.3	-0.3	
						ER-NER	0.0	10.1	-10.1
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	GHAMPA-KURUKSHETRA	2	0	1	0.0	0.0	0.0	
2	HVDC	VINDHYACHAL B/B	-	438	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	1443	0	28.5	0.0	28.5	
4	765 kV	GWALIOR-AGRA	2	0	1615	0.0	24.7	-24.7	
5	765 kV	GWALIOR-PHAGI	2	0	2309	0.0	45.0	-45.0	
6	765 kV	JABALPUR-ORAI	2	0	927	0.0	35.8	-35.8	
7	765 kV	GWALIOR-ORAI	1	1044	0	19.3	0.0	19.3	
8	765 kV	SATNA-ORAI	1	0	1003	0.0	21.2	-21.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1741	0	23.0	0.0	23.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2094	0.0	35.5	-35.5	
11	400 kV	ZERDA-KANKROLI	1	225	10	1.5	0.0	1.5	
12	400 kV	ZERDA-BHINMAL	1	489	187	2.7	0.0	2.7	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHULIAPUR	2	123	433	0.3	4.3	-4.0	
15	220 kV	BHANPURA-RANPUR	1	57	129	0.7	0.0	0.7	
16	220 kV	BHANPURA-MORAK	1	0	30	1.1	0.0	1.1	
17	220 kV	MEHGAON-AURAIYA	1	133	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	104	0	1.7	0.0	1.7	
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	113.7	166.6	-52.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	344	1012	3.9	10.5	-6.6	
2	HVDC	RAIGARH-PUGALUR	2	0	3005	0.0	49.9	-49.9	
3	765 kV	SOLAPUR-RAICHUR	2	2072	1325	20.2	2.8	17.4	
4	765 kV	WARDHA-NIZAMABAD	2	879	1728	4.6	11.4	-6.8	
5	400 kV	KOLHAPUR-KUDCI	2	1551	0	28.5	0.0	28.5	
6	220 kV	KOLHAPUR-CHIKODI	1	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	97	2.1	0.0	2.1	
						WR-SR	59.3	74.6	-15.3
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)	97	0	75	1.8			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	390	0	344	8.3			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	39	0	4	0.1			
	NER	132KV GELEPHU-SALAKATI	-13	-3	-6	-0.1			
	NER	132KV MOTANGA-RANGIA	-29	-8	-16	-0.4			
NEPAL	NR	132KV MAHENDRANAGAR-TANAPUR(NHPC)	0	0	0	0.0			
	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	367	191	305	7.3			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-920	-716	-870	-20.9			
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-138	0	-118	-2.8			