



**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: 30<sup>th</sup>September 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 29.09.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-सितंबर-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 29<sup>th</sup>Sep 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: 30-Sep-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 20:00 hrs; from RLDCs)	59881	53912	43509	25711	3313	186326
Peak Shortage (MW)	155	0	0	185	0	340
Energy Met (MU)	1273	1292	1026	545	63	4199
Hydro Gen (MU)	294	102	156	135	27	713
Wind Gen (MU)	14	40	115	-	-	169
Solar Gen (MU)*	120.41	51.70	76.05	4.72	0.62	254
Energy Shortage (MU)	2.84	0.00	0.00	2.01	0.00	4.85
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60960	58299	48104	25977	3421	189103
Time Of Maximum Demand Met (From NLDC SCADA)	19:41	18:49	12:02	21:08	17:56	19:32

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	0.024	0.00	0.09	4.88	4.98	86.85	8.17

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	8183	0	178.9	119.7	-1.5	76	0.00
	Haryana	7870	0	161.1	109.5	-0.4	203	0.00
	Rajasthan	12777	0	278.9	93.9	1.0	358	0.29
	Delli	5018	0	104.2	96.7	-1.2	168	0.00
	UP	22033	0	420.9	159.6	3.1	493	1.31
	Uttarakhand	2069	0	42.2	17.1	0.7	96	0.07
	HP	1638	0	32.2	1.0	0.1	114	0.23
	J&K(UT) & Ladakh(UT)	2645	0	49.8	31.6	4.4	536	0.94
	Chandigarh	252	0	4.9	4.8	0.1	36	0.00
	WR	Chhattisgarh	4195	0	99.1	47.4	-0.8	214
Gujarat		20166	0	422.4	244.3	1.7	1092	0.00
MP		10801	0	232.6	108.9	-2.1	644	0.00
Maharashtra		21828	0	481.5	186.9	-0.8	776	0.00
Goa		647	0	13.1	12.7	0.0	41	0.00
DNHDDPDCL		1200	0	28.0	27.9	0.1	276	0.00
AMNSIL		664	0	14.8	8.6	-0.1	291	0.00
SR	Andhra Pradesh	9218	0	197.6	61.0	0.5	1040	0.00
	Telangana	10644	0	195.5	44.4	0.0	971	0.00
	Karnataka	11335	0	211.2	80.1	0.2	620	0.00
	Kerala	3865	0	79.6	48.3	0.2	233	0.00
	Tamil Nadu	15581	0	333.1	161.5	0.0	468	0.00
	Puducherry	417	0	9.2	8.8	-0.3	59	0.00
	ER	Bihar	6273	0	127.5	114.7	1.5	407
DVC		3411	0	73.4	-24.0	-0.1	297	0.00
Jharkhand		1581	0	30.8	22.9	-1.5	201	1.64
Odisha		5982	0	124.5	50.9	-2.2	614	0.00
West Bengal		9375	0	187.5	39.8	-0.2	262	0.00
Sikkim		117	0	1.5	1.6	-0.1	19	0.00
NER	Arunachal Pradesh	109	0	1.8	1.7	-0.2	50	0.00
	Assam	2241	0	42.7	35.7	0.7	154	0.00
	Manipur	199	0	2.8	2.7	0.1	28	0.00
	Meghalaya	357	0	6.2	2.9	0.1	61	0.00
	Mizoram	92	0	1.6	0.5	-0.1	8	0.00
	Nagaland	150	0	2.6	2.2	-0.2	13	0.00
	Tripura	327	0	5.7	5.5	0.4	51	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.1	8.5	-25.9
Day Peak (MW)	1755.0	382.0	-1085.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.2	-62.5	25.7	-134.6	-0.8	0.0
Actual(MU)	160.4	-58.0	32.4	-141.0	1.8	-4.3
O/D/U/D(MU)	-11.8	4.6	6.7	-6.4	2.6	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4112	18091	4698	1510	309	28719	45
State Sector	10055	14864	7427	2760	141	35246	55
Total	14167	32955	12125	4270	449	63965	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	692	1133	529	578	14	2946	67
Lignite	25	9	59	0	0	93	2
Hvdro	296	102	156	135	27	715	16
Nuclear	25	40	48	0	0	113	3
Gas, Naptha & Diesel	14	4	8	0	28	54	1
RES (Wind, Solar, Biomass & Others)	141	93	230	5	1	470	11
Total	1192	1381	1030	717	69	4390	100

Share of RES in total generation (%)	11.81	6.76	22.35	0.66	0.90	10.70
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.74	17.01	42.12	19.47	39.47	29.56

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.040
Based on State Max Demands	1.075

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: 30-Sep-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	701	0.0	16.2	-16.2	
2	HVDC	PUSAULI B/B	1	0	346	0.0	8.2	-8.2	
3	765 kV	GAYA-VARANASI	2	307	539	0.0	1.2	-1.2	
4	765 kV	SASARAM-FATEHPUR	1	62	410	0.0	4.2	-4.2	
5	765 kV	GAYA-BALIA	1	0	493	0.0	7.3	-7.3	
6	400 kV	PUSAULI-VARANASI	1	0	259	0.0	4.9	-4.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	182	0.0	3.3	-3.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	839	0.0	14.4	-14.4	
9	400 kV	PATNA-BALIA	2	0	481	0.0	8.6	-8.6	
10	400 kV	NAUBATPUR-BALIA	2	0	508	0.0	8.8	-8.8	
11	400 kV	BIHARSHARIFF-BALIA	2	0	426	0.0	6.4	-6.4	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	486	0.0	8.2	-8.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	140	253	0.0	1.4	-1.4	
14	220 kV	SAHUPUR-KARMANASA	1	14	131	0.0	1.9	-1.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.2	0.0	0.2	
17	132 kV	KARMANASA-SAHUPURI	1	0	62	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.2	95.1	-94.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	938	555	4.8	0.0	4.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	571	380	6.6	0.0	6.6	
3	765 kV	JHARSUGUDA-DURG	2	0	459	0.0	5.9	-5.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	540	0.0	6.0	-6.0	
5	400 kV	RANCHI-SIPAT	2	203	277	0.0	0.1	-0.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	161	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	2	150	23	1.7	0.0	1.7	
						ER-WR	13.1	13.9	-0.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	321	0.0	7.2	-7.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	38.6	-38.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2328	0.0	37.6	-37.6	
4	400 kV	TALCHER-JC	2	493	227	5.3	0.0	5.3	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	83.4	-83.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	340	0.0	4.9	-4.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	146	446	0.0	5.9	-5.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	64	0.0	1.1	-1.1	
						ER-NER	0.0	12.0	-12.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2031	0.0	31.3	-31.3	
2	HVDC	VINDHYACHAL-B/B	2	447	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	263	0.0	6.2	-6.2	
4	765 kV	GWALIOR-AGRA	2	97	1225	0.2	14.6	-14.5	
5	765 kV	GWALIOR-PHAGI	2	188	1869	0.2	24.4	-24.2	
6	765 kV	JABALPUR-ORAI	2	0	853	0.0	21.1	-21.1	
7	765 kV	GWALIOR-ORAI	1	786	0	11.9	0.0	11.9	
8	765 kV	SATNA-ORAI	1	0	920	0.0	17.8	-17.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	2118	0	33.0	0.0	33.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2712	0.0	42.5	-42.5	
11	400 kV	ZERDA-KANKROLI	1	401	0	7.2	0.0	7.2	
12	400 kV	ZERDA-BHINMAL	1	668	0	7.8	0.0	7.8	
13	400 kV	VINDHYACHAL-RIHAND	1	963	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHULALPUR	2	380	473	2.4	4.4	-2.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4	
17	220 kV	MEHGAON-AURAIYA	1	120	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	85	3	1.7	0.0	1.7	
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	99.4	163.6	-64.2
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	980	515	4.6	9.2	-4.6	
2	HVDC	RAIGARH-PUGALUR	2	1439	607	0.0	10.4	-10.4	
3	765 kV	SOJAPUR-RAICHUR	2	1225	673	12.0	1.3	10.8	
4	765 kV	WARDHA-NIZAMABAD	2	8	2005	0.0	20.6	-20.6	
5	400 kV	KOLHAPUR-KUDCI	2	1615	0	28.3	0.0	28.3	
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	XELDDEM-AMBEWADI	1	0	108	2.0	0.0	2.0	
						WR-SR	46.9	41.4	5.5
<b>INTERNATIONAL EXCHANGES</b>									
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)	628	470	545	13.1			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	881	0	812	19.5			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	213	0	188	4.5			
	NER	132kV GELEPHU-SALAKATI	31	22	27	0.7			
	NER	132kV MOTANGA-RANGIA	68	47	55	1.3			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-65	0	-24	-0.6			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	447	214	379	9.1			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-923	-925	-22.2			
	NER	132kV COMILLA-SURAJMANNAGAR 1&2	-158	0	-155	-3.7			