



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: 07th 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 06.09.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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: 07-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)	69998	54829	41893	25247	3150	195117
Peak Shortage (MW)	1456	0	0	467	0	1923
Energy Met (MU)	1648	1294	978	558	61	4539
Hydro Gen (MU)	355	110	172	131	36	803
Wind Gen (MU)	9	34	104	-	-	147
Solar Gen (MU)*	113.46	46.67	104.64	4.72	0.67	270
Energy Shortage (MU)	21.53	0.14	0.00	4.92	0.01	26.60
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	73311	57531	45397	25851	3180	198609
Time Of Maximum Demand Met (From NLDC SCADA)	23:36	19:16	12:19	21:43	18:45	11:58

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	0.00	8.89	8.89	83.98	7.13

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	13011	0	296.3	175.6	-1.0	67	0.00
	Haryana	11735	0	250.2	169.1	0.3	203	3.94
	Rajasthan	14799	0	306.3	117.4	2.2	354	3.50
	Delli	6488	0	133.2	121.2	-0.8	227	0.00
	UP	25238	190	525.4	245.3	2.5	494	12.38
	Uttarakhand	2155	110	47.7	23.0	1.3	189	1.19
	HP	1604	41	33.8	-2.9	1.3	163	0.23
	J&K(UT) & Ladakh(UT)	2431	0	48.7	23.7	1.0	265	0.29
	Chandigarh	345	0	6.9	6.9	0.0	36	0.00
	Chhattisgarh	4857	0	113.8	61.3	-0.1	219	0.00
WR	Gujarat	19357	0	414.5	236.9	2.5	696	0.00
	MP	10379	0	225.6	115.1	-4.0	728	0.00
	Maharashtra	21818	0	484.5	175.9	-1.6	777	0.14
	Goa	585	0	12.6	12.4	0.1	48	0.00
	DNHDDPDCL	1205	0	28.1	28.0	0.1	130	0.00
SR	AMNSIL	713	0	15.0	9.1	0.1	264	0.00
	Andhra Pradesh	9727	0	205.9	75.8	-2.4	428	0.00
	Telangana	12326	0	223.4	70.7	-1.2	651	0.00
	Karnataka	7897	0	163.7	42.2	-1.6	511	0.00
	Kerala	3199	0	70.9	29.1	-1.9	162	0.00
	Tamil Nadu	14434	0	304.9	123.6	-2.9	894	0.00
	Puducherry	416	0	9.0	8.6	-0.3	40	0.00
ER	Bihar	6459	0	131.3	120.7	0.7	361	0.65
	DVC	3351	0	71.5	-30.9	0.8	256	0.00
	Jharkhand	1492	98	32.1	22.6	-0.4	241	4.27
	Odisha	5967	0	131.3	45.8	-1.3	414	0.00
	West Bengal	9106	0	190.4	79.1	-1.3	294	0.00
NER	Sikkim	103	0	1.6	1.1	0.6	61	0.00
	Arunachal Pradesh	129	0	2.2	2.2	-0.3	40	0.00
	Assam	2102	0	40.4	34.2	-0.3	151	0.00
	Manipur	198	0	2.7	2.7	0.0	49	0.01
	Meghalaya	306	0	5.8	1.7	0.0	38	0.00
	Mizoram	109	0	1.6	0.8	0.0	8	0.00
	Nagaland	148	0	2.6	2.3	-0.1	11	0.00
	Tripura	302	0	5.8	4.9	0.2	50	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.7	8.0	-23.0
Day Peak (MW)	1993.0	346.0	-1068.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	336.6	-158.9	-33.5	-131.9	-12.3	0.0
Actual(MU)	354.9	-148.7	-59.0	-136.6	-15.1	-4.4
O/D/U/D(MU)	18.3	10.2	-25.5	-4.7	-2.8	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3352	10735	6518	1560	309	22473	41
State Sector	5805	16181	7522	2400	183	32090	59
Total	9157	26916	14040	3960	491	54563	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	814	1228	571	595	17	3225	67
Lignite	25	8	51	0	0	84	2
Hvdro	357	110	172	131	36	805	17
Nuclear	33	40	42	0	0	115	2
Gas, Naptha & Diesel	20	6	8	0	29	62	1
RES (Wind, Solar, Biomass & Others)	139	82	262	5	1	488	10
Total	1387	1474	1104	730	83	4778	100

Share of RES in total generation (%)	10.02	5.56	23.72	0.65	0.81	10.22
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.11	15.72	43.05	18.54	44.28	29.46

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.080

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: 07-Sep-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	702	0.0	17.0	-17.0	
2	HVDC	PUSAULI B/B	5	0	348	0.0	8.6	-8.6	
3	765 kV	GAYA-VARANASI	2	0	597	0.0	8.2	-8.2	
4	765 kV	SASARAM-FATEHPUR	1	0	437	0.0	7.3	-7.3	
5	765 kV	GAYA-BALIA	1	0	704	0.0	12.2	-12.2	
6	400 kV	PUSAULI-VARANASI	1	0	220	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	222	0.0	4.4	-4.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1092	0.0	20.8	-20.8	
9	400 kV	PATNA-BALIA	2	0	689	0.0	14.0	-14.0	
10	400 kV	NAUBATPUR-BALIA	2	0	732	0.0	14.4	-14.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	578	0.0	10.1	-10.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	210	0.0	11.2	-11.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	272	0.0	4.1	-4.1	
14	220 kV	SAHUPUR-KARMANASA	1	0	148	0.0	2.5	-2.5	
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	138.9	-138.5
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	985	102	10.9	0.0	10.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1728	0	24.7	0.0	24.7	
3	765 kV	JHARSUGUDA-DURG	2	22	285	0.0	3.4	-3.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	575	0.0	9.2	-9.2	
5	400 kV	RANCHI-SIPAT	2	310	83	2.6	0.0	2.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	167	0.0	2.8	-2.8	
7	220 kV	BUDHIPADAR-KORBA	2	86	49	0.4	0.0	0.4	
						ER-WR	38.6	15.4	23.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	291	444	0.0	9.6	-9.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1632	0.0	30.5	-30.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2553	0.0	38.1	-38.1	
4	400 kV	TALCHER-JC	2	705	0	14.4	0.0	14.4	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	78.2	-78.2
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	243	142	1.3	0.0	1.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	416	155	3.2	0.0	3.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	43	56	0.0	0.2	-0.2	
						ER-NER	4.5	0.2	4.4
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3517	0.0	72.9	-72.9	
2	HVDC	VINDHYACHAL-B/B	5	444	0	7.4	0.0	7.4	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1016	0.0	17.3	-17.3	
4	765 kV	GWAIJIOR-AGRA	2	0	1703	0.1	26.3	-26.2	
5	765 kV	GWAIJIOR-PHAGI	2	0	2087	0.0	33.5	-33.5	
6	765 kV	JABALPUR-ORAI	2	0	1292	0.0	42.5	-42.5	
7	765 kV	GWAIJIOR-ORAI	1	606	0	11.0	0.0	11.0	
8	765 kV	SATNA-ORAI	1	0	1086	0.0	21.8	-21.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	1589	159	16.3	0.2	16.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3317	0.0	56.7	-56.7	
11	400 kV	ZERDA-KANKROLI	1	325	50	3.3	0.0	3.3	
12	400 kV	ZERDA-BHINMAL	1	469	177	3.3	0.0	3.3	
13	400 kV	VINDHYACHAL-RIHAND	1	960	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHULJALPUR	2	51	690	0.0	7.5	-7.5	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4	
17	220 kV	MEHGAON-AURAIYA	1	93	0	0.3	0.0	0.3	
18	220 kV	MALANPUR-AURAIYA	1	53	10	1.4	0.0	1.4	
19	132 kV	GWAIJIOR-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	65.1	281.2	-216.0
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	984	0	16.8	0.0	16.8	
2	HVDC	RAIGARH-PUGALUR	2	2877	0	63.7	0.0	63.7	
3	765 kV	SOJAPUR-RAICHUR	2	1464	1412	11.2	3.9	7.3	
4	765 kV	WARDHA-NIZAMABAD	2	0	2920	0.0	29.0	-29.0	
5	400 kV	KOLHAPUR-KUDCI	2	1629	0	29.6	0.0	29.6	
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	100	2.0	0.0	2.0	
						WR-SR	123.3	32.9	90.4
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)	708	0	664	15.9			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1049	894	915	22.0			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	214	191	199	4.8			
	NER	132KV GELEPHU-SALAKATI	19	0	10	0.3			
	NER	132KV MOTANGA-RANGIA	48	13	31	0.8			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-62	0	-25	-0.6			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	408	255	360	8.6			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-918	0	-841	-20.2			
	NER	132KV COMILLA-SURAJMANI 1&2	-150	0	-116	-2.8			