



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: 11th August 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 10.08.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-अगस्त-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 10th Aug 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: 11-Aug-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)	67219	49465	40552	23465	3374	184075
Peak Shortage (MW)	273	0	0	639	0	912
Energy Met (MU)	1552	1138	913	500	63	4165
Hydro Gen (MU)	339	78	179	132	31	759
Wind Gen (MU)	16	111	267	-	-	394
Solar Gen (MU)*	117.59	34.20	92.36	3.94	0.48	249
Energy Shortage (MU)	0.95	0.00	0.00	1.61	0.00	2.56
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	71341	49532	40968	23887	3377	184599
Time Of Maximum Demand Met (From NLDC SCADA)	22:10	19:38	19:17	21:28	20:01	19:44

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	0.062	0.00	2.11	7.41	9.51	73.14	17.35

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	13803	0	310.5	183.3	-1.3	67	0.00
	Haryana	10604	0	228.1	145.4	0.6	270	0.00
	Rajasthan	11714	0	257.5	96.3	0.5	416	0.30
	Delhi	6388	0	131.4	119.3	-0.6	249	0.00
	UP	24169	0	481.2	216.2	-1.6	304	0.00
	Uttarakhand	2249	0	49.1	24.9	0.2	147	0.54
	HP	1681	0	34.9	-6.3	-0.5	118	0.11
	J&K(UT) & Ladakh(UT)	2592	0	52.2	28.7	-1.6	170	0.00
	Chandigarh	342	0	7.1	7.3	-0.2	55	0.00
	WR	Chhattisgarh	3694	0	85.0	53.9	-0.2	241
Gujarat		15050	0	334.2	205.2	-0.4	830	0.00
MP		9611	0	217.7	100.1	0.0	894	0.00
Maharashtra		20138	0	442.9	141.8	-2.2	622	0.00
Goa		531	0	11.1	11.6	-0.5	26	0.00
DNHDDPDCL		1188	0	27.7	27.7	0.0	61	0.00
SR	AMNSIL	880	0	19.3	12.3	0.5	254	0.00
	Andhra Pradesh	8137	0	178.3	6.7	-1.2	619	0.00
	Telangana	8622	0	161.1	49.0	1.6	732	0.00
	Karnataka	7240	0	159.6	-5.5	-1.6	805	0.00
	Kerala	3552	0	72.2	28.4	-1.5	223	0.00
	Tamil Nadu	15278	0	331.9	121.9	-3.9	594	0.00
	Puducherry	433	0	9.7	9.1	0.0	42	0.00
	ER	Bihar	6492	0	115.7	104.9	1.7	738
DVC		3341	0	71.0	-38.8	0.6	297	0.00
Jharkhand		1411	0	28.4	20.9	-1.1	206	0.28
Odisha		5944	0	127.8	72.2	-0.4	297	0.00
West Bengal		8411	0	155.3	46.3	-0.8	460	0.00
NER	Sikkim	101	0	1.5	2.0	-0.5	10	0.00
	Arunachal Pradesh	147	0	2.6	2.1	0.1	47	0.00
	Assam	2261	0	41.6	34.5	-0.3	124	0.00
	Manipur	188	0	2.7	2.6	0.1	16	0.00
	Meghalaya	333	0	5.9	3.5	-0.3	32	0.00
	Mizoram	109	0	1.7	0.5	-0.2	3	0.00
	Nagaland	151	0	2.7	2.4	-0.2	9	0.00
	Tripura	295	0	5.3	4.0	-0.4	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	37.1	7.4	-24.3
Day Peak (MW)	1963.0	329.0	-1019.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	334.9	-92.7	-109.0	-128.0	-5.2	0.0
Actual(MU)	335.5	-94.2	-119.4	-124.1	-6.3	-8.4
O/D/U/D(MU)	0.6	-1.5	-10.3	3.9	-1.1	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4262	16576	7548	2160	579	31124	43
State Sector	6620	20806	11390	2825	109	41749	57
Total	10882	37381	18938	4985	688	72873	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	755	974	370	541	15	2654	61
Lignite	17	11	44	0	0	72	2
Hydro	342	78	179	132	31	762	17
Nuclear	25	39	47	0	0	111	3
Gas, Naptha & Diesel	16	6	8	0	28	58	1
RES (Wind, Solar, Biomass & Others)	154	146	402	4	0	707	16
Total	1309	1254	1050	676	74	4364	100

Share of RES in total generation (%)	11.79	11.63	38.26	0.58	0.65	16.19
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.79	21.01	59.80	20.07	42.12	36.19

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.068

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: 11-Aug-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	1500	0.0	31.6	-31.6	
2	HVDC	PUSAULI B/B	2	49	49	0.0	1.3	-1.3	
3	765 kV	GAYALYARANASI	2	69	494	0.0	5.7	-5.7	
4	765 kV	SASARAM-FATEHPUR	1	0	353	0.0	5.1	-5.1	
5	765 kV	GAYA-BALIA	1	0	813	0.0	14.0	-14.0	
6	400 kV	PUSAULI-VARANASI	1	43	34	0.2	0.0	0.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	102	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1025	0.0	19.1	-19.1	
9	400 kV	PATNA-BALIA	2	0	646	0.0	11.9	-11.9	
10	400 kV	NAUBATPUR-BALIA	2	0	693	0.0	13.3	-13.3	
11	400 kV	BIHARSHARIFF-BALIA	2	0	631	0.0	10.1	-10.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	474	0.0	8.5	-8.5	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	305	0.0	2.7	-2.7	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	167	0.0	2.2	-2.2	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
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	0.5	126.6	-126.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	2.2	0.0	2.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1080	74	18.3	0.0	18.3	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.5	-3.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	5.0	-5.0	
5	400 kV	RANCHI-SIPAT	2	182	117	2.2	0.0	2.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	55	33	0.4	0.0	0.4	
7	220 kV	BUDHIPADAR-KORBA	2	85	39	0.5	0.0	0.5	
						ER-WR	23.7	8.5	15.2
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	643	0	12.1	0.0	12.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1251	0.0	24.5	-24.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2540	0.0	34.4	-34.4	
4	400 kV	TALCHER-I/C	2	935	0	13.7	0.0	13.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	12.1	58.9	-46.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	314	0.0	3.8	-3.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	296	262	0.0	0.0	0.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	6	95	0.0	1.0	-1.0	
						ER-NER	0.0	4.8	-4.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4009	0.0	67.4	-67.4	
2	HVDC	VINDHYACHAL B/B	2	445	53	7.2	0.4	6.8	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	512	0.0	10.0	-10.0	
4	765 kV	GWALIOR-AGRA	2	0	2094	0.0	32.3	-32.3	
5	765 kV	GWALIOR-PHAGI	2	0	1862	0.0	26.9	-26.9	
6	765 kV	JABALPUR-ORAI	2	0	1128	0.0	37.1	-37.1	
7	765 kV	GWALIOR-ORAI	1	642	0	11.1	0.0	11.1	
8	765 kV	SATNA-ORAI	1	0	1058	0.0	21.0	-21.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	1103	6	11.7	0.0	11.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3315	0.0	59.1	-59.1	
11	400 kV	ZERDA-KANKROLI	1	242	23	2.1	0.0	2.1	
12	400 kV	ZERDA-BHINMAL	1	506	106	3.6	0.0	3.6	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	19.9	0.0	19.9	
14	400 kV	RAPP-SHULIAPUR	2	0	191	0.0	4.6	-4.6	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3	
17	220 kV	MEHGAON-AURAIYA	1	103	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	63	0	1.3	0.0	1.3	
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	57.7	260.8	-203.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2879	0	67.9	0.0	67.9	
3	765 kV	SOLAPUR-RAICHUR	2	2151	935	19.0	1.6	17.4	
4	765 kV	WARDHA-NIZAMABAD	2	52	2273	0.0	19.9	-19.9	
5	400 kV	KOLHAPUR-KUDCI	2	1900	0	32.9	0.0	32.9	
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	96	1.8	0.0	1.8	
						WR-SR	145.6	21.6	124.0
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)	719	0	668	16.0			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1053	1034	1035	24.9			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	190	0	160	3.9			
	NER	132KV GELEPHU-SALAKATI	-17	-7	-13	-0.3			
	NER	132KV MOTANGA-RANGIA	-45	-18	-31	-0.7			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-65	0	-39	-0.9			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	394	185	348	8.4			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-922	-924	-22.2			
	NER	132KV COMILLA-SURAJMANNAGAR 1&2	-92	0	-87	-2.1			