National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 31th 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., डोंगतिएह, 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 30.08.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-अगस्त-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 30th 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:** **31-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)	64890	54673	41631	25374	3263	189831
Peak Shortage (MW)	3268	0	0	1932	0	5200
Energy Met (MU)	1587	1291	951	569	63	4461
Hydro Gen (MU)	377	128	186	152	34	877
Wind Gen (MU)	6	13	15	-	-	35
Solar Gen (MU)*	105.39	45.24	96.83	4.98	0.61	253
Energy Shortage (MU)	18.19	0.00	0.00	19.08	0.00	37.27
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70288	56421	43202	26068	3324	194948
Time Of Maximum Demand Met (From NLDC SCADA)	12:30	11:11	10:55	21:23	18:34	11:59

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	0.056	0.24	3.16	9.40	12.80	76.23	10.97

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	13376	0	303.4	174.4	-1.8	53	0.00
	Haryana	11664	13	244.3	175.9	1.2	243	2.82
	Rajasthan	13033	0	278.3	108.6	2.1	408	7.13
	Delhi	5866	0	124.6	113.4	-1.6	178	0.00
	UP	24039	0	495.6	217.2	0.1	651	6.59
	Uttarakhand	2236	0	48.6	23.2	0.4	146	0.31
	HP	1607	0	34.1	-5.2	0.5	102	0.00
	J&K(UT) & Ladakh(UT)	2651	0	51.5	27.8	0.0	170	1.34
	Chandigarh	362	0	7.0	7.0	0.0	42	0.00
WR	Chhattisgarh	4643	0	109.1	65.6	0.3	203	0.00
	Gujarat	17632	0	376.9	213.7	3.7	753	0.00
	MP	9858	0	220.1	100.0	0.0	499	0.00
	Maharashtra	24127	0	527.9	213.9	2.8	999	0.00
	Goa	565	0	12.1	12.1	-0.4	62	0.00
	DNHDDPDCL	1185	0	27.6	27.6	0.0	52	0.00
	AMNSIL	829	0	17.4	9.5	-0.9	207	0.00
SR	Andhra Pradesh	8923	0	195.5	65.8	0.9	480	0.00
	Telangana	10141	0	195.0	52.3	-1.1	694	0.00
	Karnataka	9045	0	180.9	55.5	-0.6	548	0.00
	Kerala	3533	0	72.0	29.5	-1.5	220	0.00
	Tamil Nadu	14172	0	298.9	165.9	3.8	1214	0.00
	Puducherry	404	0	9.1	8.7	-0.3	35	0.00
ER	Bihar	6054	1365	130.7	123.9	1.2	376	14.65
	DVC	3476	0	76.4	-29.5	1.0	502	0.00
	Jharkhand	1434	0	32.9	21.7	-0.6	208	3.82
	Odisha	6009	80	126.0	48.1	-0.9	559	0.60
	West Bengal	9667	0	201.0	71.5	0.6	316	0.00
	Sikkim	104	0	1.7	1.7	0.0	22	0.00
NER	Arunachal Pradesh	138	0	2.5	2.3	-0.1	20	0.00
	Assam	2138	0	40.9	34.3	-0.1	166	0.00
	Manipur	204	0	2.8	2.8	0.0	24	0.00
	Meghalaya	341	0	6.0	1.5	0.1	46	0.00
	Mizoram	114	0	1.8	0.8	-0.1	18	0.00
	Nagaland	158	0	2.8	2.4	-0.1	24	0.00
	Tripura	320	0	6.0	5.6	0.4	83	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.1	8.0	-25.6
Day Peak (MW)	2021.0	362.4	-1079.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	311.7	-143.8	-25.7	-135.5	-6.6	0.0
Actual(MU)	298.6	-137.9	-25.6	-132.3	-7.9	-5.1
O/D/U/D(MU)	-13.1	5.9	0.2	3.3	-1.3	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2762	12381	5258	1870	309	22579	37
State Sector	8435	17123	8432	4540	162	38691	63
Total	11196	29504	13690	6410	470	61270	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	781	1218	568	578	18	3163	68
Lignite	34	7	53	0	0	94	2
Hydro	380	128	186	152	34	880	19
Nuclear	33	40	43	0	0	116	2
Gas, Naptha & Diesel	20	7	7	0	26	59	1
RES (Wind, Solar, Biomass & Others)	130	59	157	5	1	352	8
Total	1378	1459	1014	736	78	4664	100

Share of RES in total generation (%)	9.41	4.07	15.48	0.67	0.78	7.54
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.35	15.55	38.04	21.38	44.63	28.88

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.077

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: 31-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	701	0.0	17.2	-17.2
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.6	-8.6
3	765 kV	GAYA-VARANASI	2	109	461	0.0	3.5	-3.5
4	765 kV	SASARAM-FATEHPUR	1	0	346	0.0	5.7	-5.7
5	765 kV	GAYA-BALIA	1	0	728	0.0	12.8	-12.8
6	400 kV	PUSAULI-VARANASI	1	0	223	0.0	4.8	-4.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	205	0.0	3.9	-3.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1072	0.0	20.2	-20.2
9	400 kV	PATNA-BALIA	2	0	717	0.0	14.6	-14.6
10	400 kV	NAUBATPUR-BALIA	2	0	655	0.0	6.2	-6.2
11	400 kV	BIHARSHARIFF-BALIA	2	0	638	0.0	9.6	-9.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	210	0.0	9.7	-9.7
13	400 kV	BIHARSHARIFF-VARANASI	2	7	233	0.0	2.6	-2.6
14	220 kV	SAHUPURI-KARAMNASA	1	0	125	0.0	2.1	-2.1
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	121.3	-120.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1171	213	10.4	0.0	10.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1506	0	20.7	0.0	20.7
3	765 kV	JHARSUGUDA-DURG	2	16	321	0.0	4.1	-4.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	508	0.0	7.9	-7.9
5	400 kV	RANCHI-SIPAT	2	296	62	3.2	0.0	3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	115	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	38	52	0.0	0.2	-0.2
					ER-WR	34.2	14.0	20.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	342	0.0	7.6	-7.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1644	0.0	32.5	-32.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2588	0.0	40.8	-40.8
4	400 kV	TALCHER-I/C	2	714	0	12.5	0.0	12.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	80.9	-80.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	38	192	0.1	1.3	-1.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	80	243	0.0	1.1	-1.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	81	0.0	1.0	-1.0
					ER-NER	0.1	3.4	-3.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2512	0.0	60.0	-60.0
2	HVDC	VINDHYACHAL B/B	-	444	0	9.8	0.0	9.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	311	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	1564	0.0	21.6	-21.6
5	765 kV	GWALIOR-PHAGI	2	0	1956	0.0	33.2	-33.2
6	765 kV	JABALPUR-ORAI	2	0	1208	0.0	36.9	-36.9
7	765 kV	GWALIOR-ORAI	1	536	0	11.6	0.0	11.6
8	765 kV	SATNA-ORAI	1	0	1074	0.0	21.7	-21.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1135	0	15.3	0.0	15.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	3373	0.0	56.1	-56.1
11	400 kV	ZERDA-KANKROLI	1	226	4	3.0	0.0	3.0
12	400 kV	ZERDA -BHINMAL	1	419	54	4.3	0.0	4.3
13	400 kV	VINDHYACHAL -RIHAND	1	956	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	84	650	0.1	6.1	-6.1
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1
17	220 kV	MEHGAON-AURAIYA	1	104	0	0.6	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	63	15	1.4	0.0	1.4
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	68.0	245.1	-177.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	787	0	18.3	0.0	18.3
2	HVDC	RAIGARH-PUGALUR	2	2414	0	42.2	0.0	42.2
3	765 kV	SOLAPUR-RAICHUR	2	1881	2056	9.7	10.4	-0.7
4	765 kV	WARDHA-NIZAMABAD	2	224	2357	0.1	28.6	-28.5
5	400 kV	KOLHAPUR-KUDGI	2	1573	0	26.1	0.0	26.1
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	102	2.0	0.0	2.0
					WR-SR	98.4	38.9	59.5

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	713	0	668	16.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1079	0	1009	24.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	227	199	207	5.0
	NER	132kV GELEPHU-SALAKATI	17	9	13	0.3
	NER	132kV MOTANGA-RANGIA	46	20	33	0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-66	0	-8	-0.2
	ER	NEPAL IMPORT (FROM BIHAR)	26	0	3	0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	402	212	339	8.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-914	-912	-913	-21.9
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-165	0	-153	-3.7