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: 04TH 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 03.08.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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:** **04-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)	63192	54616	39998	25465	3184	186455
Peak Shortage (MW)	1573	0	0	892	0	2465
Energy Met (MU)	1477	1270	920	564	61	4292
Hydro Gen (MU)	353	90	157	123	37	759
Wind Gen (MU)	11	33	121	-	-	165
Solar Gen (MU)*	101.64	40.66	78.99	4.59	0.58	226
Energy Shortage (MU)	11.18	0.00	0.00	7.22	0.00	18.40
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66344	54683	42799	25975	3269	186987
Time Of Maximum Demand Met (From NLDC SCADA)	23:14	19:43	09:59	21:16	19:29	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	0.067	1.33	2.99	10.47	14.79	79.98	5.23

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	13005	0	282.2	164.3	-1.8	90	0.00
	Haryana	9715	0	213.0	132.5	-1.6	98	1.47
	Rajasthan	11644	0	254.8	58.3	-0.3	229	2.64
	Delhi	5967	0	125.9	115.3	-1.7	156	0.00
	UP	22853	220	463.5	209.5	1.3	390	5.94
	Uttarakhand	1958	110	44.4	23.4	0.2	152	1.13
	HP	1581	0	33.0	-8.3	-1.0	38	0.00
	J&K(UT) & Ladakh(UT)	2646	0	53.4	30.3	-2.3	230	0.00
	Chandigarh	344	0	6.8	6.8	0.0	35	0.00
WR	Chhattisgarh	5069	0	121.2	72.5	0.6	200	0.00
	Gujarat	16126	0	357.5	201.7	1.7	551	0.00
	MP	10538	0	238.1	120.7	0.0	567	0.00
	Maharashtra	21961	0	495.1	188.0	2.7	1123	0.00
	Goa	607	0	12.7	12.5	0.2	61	0.00
	DNHDDPDCL	1178	0	27.2	27.1	0.1	72	0.00
	AMNSIL	816	0	18.4	11.2	0.4	247	0.00
SR	Andhra Pradesh	8634	0	185.3	72.9	1.2	558	0.00
	Telangana	10939	0	200.5	77.1	0.0	716	0.00
	Karnataka	8159	0	162.3	45.9	-2.1	513	0.00
	Kerala	3257	0	66.9	23.8	-1.1	197	0.00
	Tamil Nadu	13370	0	295.4	109.3	-1.8	493	0.00
	Puducherry	405	0	9.5	9.0	-0.1	26	0.00
ER	Bihar	6470	0	131.3	118.1	2.2	361	0.84
	DVC	3456	0	72.6	-40.1	-0.2	350	0.00
	Jharkhand	1548	0	29.9	21.8	-0.7	203	4.93
	Odisha	6617	200	142.1	56.6	4.6	856	1.45
	West Bengal	9151	0	187.0	75.1	-1.6	347	0.00
	Sikkim	98	0	1.6	0.7	0.9	68	0.00
NER	Arunachal Pradesh	139	0	2.4	2.4	-0.3	27	0.00
	Assam	2153	0	40.4	32.7	-0.3	114	0.00
	Manipur	190	0	2.6	2.7	-0.2	30	0.00
	Meghalaya	329	0	6.0	0.1	0.0	34	0.00
	Mizoram	108	0	1.6	0.8	-0.3	3	0.00
	Nagaland	153	0	2.6	2.4	-0.2	21	0.00
	Tripura	310	0	5.6	5.6	0.1	63	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.1	8.0	-26.0
Day Peak (MW)	1898.0	374.0	-1096.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.9	-86.3	-21.0	-112.0	-10.6	0.0
Actual(MU)	206.6	-66.7	-28.3	-106.3	-12.7	-7.4
O/D/U/D(MU)	-23.4	19.6	-7.3	5.8	-2.2	-7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4330	15306	7578	2050	330	29593	45
State Sector	7575	17011	8936	3090	99	36710	55
Total	11905	32316	16514	5140	429	66303	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	790	1148	472	573	14	2997	67
Lignite	31	12	63	0	0	106	2
Hydro	355	90	157	123	37	761	17
Nuclear	29	33	47	0	0	109	2
Gas, Naptha & Diesel	19	6	9	0	30	63	1
RES (Wind, Solar, Biomass & Others)	132	75	235	5	1	447	10
Total	1357	1364	982	701	81	4484	100

Share of RES in total generation (%)	9.75	5.50	23.90	0.66	0.71	9.97
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.06	14.47	44.66	18.20	46.77	29.39

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.078

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: 04-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	1002	0.0	24.5	-24.5
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2
3	765 kV	GAYA-VARANASI	2	273	440	0.0	2.3	-2.3
4	765 kV	SASARAM-FATEHPUR	1	7	262	0.0	2.6	-2.6
5	765 kV	GAYA-BALIA	1	0	684	0.0	11.0	-11.0
6	400 kV	PUSAULI-VARANASI	1	19	55	0.0	0.4	-0.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	77	0.0	0.8	-0.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	897	0.0	14.3	-14.3
9	400 kV	PATNA-BALIA	2	0	634	0.0	12.4	-12.4
10	400 kV	NAUBATPUR-BALIA	2	0	669	0.0	13.0	-13.0
11	400 kV	BIHARSHARIFF-BALIA	2	0	465	0.0	5.8	-5.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	510	0.0	8.2	-8.2
13	400 kV	BIHARSHARIFF-VARANASI	2	106	227	0.0	2.2	-2.2
14	220 kV	SAHUPURI-KARAMNASA	1	0	158	0.0	1.8	-1.8
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	52	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	100.5	-100.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	28.0	0.0	28.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1291	277	14.0	0.0	14.0
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.4	0.0	0.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	10.2	-10.2
5	400 kV	RANCHI-SIPAT	2	194	229	0.2	0.0	0.2
6	220 kV	BUDHIPADAR-RAIGARH	1	26	171	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	96	106	0.0	0.4	-0.4
					ER-WR	42.6	12.5	30.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	594	0	10.0	0.0	10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1983	0.0	33.5	-33.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	3090	0.0	52.0	-52.0
4	400 kV	TALCHER-I/C	2	626	261	9.0	0.0	9.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	10.0	85.4	-75.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	80	295	0.0	2.8	-2.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	296	248	0.0	0.0	0.0
3	220 kV	ALIPURDUAR-SALAKATI	2	25	67	0.0	0.6	-0.6
					ER-NER	0.0	3.3	-3.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	17.0	-17.0
					NER-NR	0.0	17.0	-17.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1652	0.0	35.8	-35.8
2	HVDC	VINDHYACHAL B/B	-	444	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	310	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	0	1625	0.0	20.3	-20.3
5	765 kV	GWALIOR-PHAGI	2	207	1364	0.2	17.4	-17.2
6	765 kV	JABALPUR-ORAI	2	0	842	0.0	21.8	-21.8
7	765 kV	GWALIOR-ORAI	1	590	0	10.7	0.0	10.7
8	765 kV	SATNA-ORAI	1	0	937	0.0	18.7	-18.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1498	38	21.3	0.0	21.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	3087	0.0	51.7	-51.7
11	400 kV	ZERDA-KANKROLI	1	305	0	4.2	0.0	4.2
12	400 kV	ZERDA -BHINMAL	1	534	0	7.1	0.0	7.1
13	400 kV	VINDHYACHAL -RIHAND	1	963	0	22.2	0.0	22.2
14	400 kV	RAPP-SHUJALPUR	2	393	352	3.0	2.5	0.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
17	220 kV	MEHGAON-AURAIYA	1	128	0	1.1	0.0	1.1
18	220 kV	MALANPUR-AURAIYA	1	87	0	2.0	0.0	2.0
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	83.9	177.9	-94.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	493	0	9.3	0.0	9.3
2	HVDC	RAIGARH-PUGALUR	2	2881	0	61.6	0.0	61.6
3	765 kV	SOLAPUR-RAICHUR	2	820	1677	4.8	8.0	-3.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2905	0.0	42.0	-42.0
5	400 kV	KOLHAPUR-KUDGI	2	1577	0	29.1	0.0	29.1
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	103	2.0	0.0	2.0
					WR-SR	106.8	50.0	56.7

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)	633	0	577	13.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1005	0	988	23.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	237	0	189	4.5
	NER	132kV GELEPHU-SALAKATI	-25	21	-7	-0.2
	NER	132kV MOTANGA-RANGIA	-48	0	-36	-0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-71	0	-23	-0.6
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	445	247	356	8.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-932	-922	-923	-22.1
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-159	-3.8