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: 30th May 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 29.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-मई-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 29th May 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-May-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)	54133	56255	41039	23243	2965	177635
Peak Shortage (MW)	240	0	0	481	0	721
Energy Met (MU)	1329	1375	1012	521	56	4293
Hydro Gen (MU)	235	39	80	55	23	432
Wind Gen (MU)	66	223	148	-	-	437
Solar Gen (MU)*	103.54	48.34	120.23	5.03	0.77	278
Energy Shortage (MU)	5.76	0.00	0.00	4.09	0.00	9.85
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62033	59251	45487	23979	3001	189340
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	14:53	11:59	20:39	19:39	00:00

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	0.043	0.00	1.61	8.15	9.76	80.95	9.29

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	8612	0	178.3	95.0	-0.4	113	0.00
	Haryana	7847	0	166.9	114.0	-1.5	301	0.68
	Rajasthan	14286	0	298.8	70.4	-0.8	378	0.77
	Delhi	5967	0	118.4	107.8	-1.9	242	0.00
	UP	21838	490	441.7	204.2	0.2	433	1.87
	Uttarakhand	2119	0	45.4	30.2	-0.3	180	0.00
	HP	1403	0	29.3	5.5	-0.6	65	2.04
	J&K(UT) & Ladakh(UT)	2040	0	44.4	26.4	-1.4	190	0.40
	Chandigarh	284	0	6.0	6.1	-0.2	19	0.00
WR	Chhattisgarh	4250	0	98.4	52.9	-0.9	228	0.00
	Gujarat	19008	0	412.7	193.7	4.1	835	0.00
	MP	11069	0	243.8	125.3	-0.1	316	0.00
	Maharashtra	24399	0	561.6	156.3	-0.8	854	0.00
	Goa	627	0	13.3	12.6	0.2	40	0.00
	DD	322	0	7.4	7.3	0.1	10	0.00
	DNH	860	0	20.1	19.9	0.2	58	0.00
	AMNSIL	848	0	18.1	10.6	0.4	288	0.00
SR	Andhra Pradesh	10486	0	216.9	88.1	1.8	741	0.00
	Telangana	8502	0	178.5	69.8	2.1	598	0.00
	Karnataka	10277	0	206.6	23.4	-0.8	573	0.00
	Kerala	3437	0	70.4	46.7	-0.2	189	0.00
	Tamil Nadu	14558	0	331.4	147.0	0.4	735	0.00
	Puducherry	390	0	8.3	8.4	-0.2	48	0.00
ER	Bihar	5884	289	109.0	96.4	0.4	355	3.34
	DVC	3500	0	76.3	-40.2	-0.5	483	0.00
	Jharkhand	1516	173	33.0	23.2	0.6	205	0.75
	Odisha	6295	0	131.7	62.5	-3.0	453	0.00
	West Bengal	8556	0	169.9	46.2	0.3	530	0.00
	Sikkim	80	0	1.2	1.2	0.0	20	0.00
NER	Arunachal Pradesh	129	0	2.2	2.5	-0.2	22	0.00
	Assam	1968	0	36.7	29.3	0.4	88	0.00
	Manipur	190	0	2.6	2.7	-0.1	17	0.00
	Meghalaya	316	0	5.8	2.2	0.0	28	0.00
	Mizoram	94	0	1.5	1.7	-0.3	3	0.00
	Nagaland	142	0	2.5	2.3	-0.1	10	0.00
	Tripura	253	0	4.4	3.1	-0.1	52	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	8.1	-4.7	-24.9
Day Peak (MW)	498.0	-303.5	-1059.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	228.8	-187.3	25.0	-69.6	3.0	0.0
Actual(MU)	211.7	-186.9	36.9	-62.5	-0.7	-1.4
O/D/U/D(MU)	-17.1	0.4	11.9	7.1	-3.7	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3703	12806	8148	2110	697	27464	44
State Sector	8805	15278	8835	1390	97	34405	56
Total	12508	28084	16983	3500	794	61868	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	660	1222	503	567	14	2966	67
Lignite	21	13	69	0	0	103	2
Hydro	235	39	80	55	23	432	10
Nuclear	24	33	40	0	0	97	2
Gas, Naptha & Diesel	18	3	9	0	24	54	1
RES (Wind, Solar, Biomass & Others)	187	272	316	5	1	781	18
Total	1146	1581	1017	628	61	4433	100

Share of RES in total generation (%)	16.31	17.22	31.10	0.80	1.26	17.63
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.96	21.75	42.94	9.60	38.14	29.57

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.069

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-May-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	350	0.0	8.5	-8.5
2	HVDC	PUSAULI B/B	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	569	304	2.8	0.0	2.8
4	765 kV	SASARAM-FATEHPUR	1	0	352	0.0	4.4	-4.4
5	765 kV	GAYA-BALIA	1	0	568	0.0	9.1	-9.1
6	400 kV	PUSAULI-VARANASI	1	94	39	0.4	0.0	0.4
7	400 kV	PUSAULI -ALLAHABAD	1	99	95	0.0	0.3	-0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	174	727	0.0	4.9	-4.9
9	400 kV	PATNA-BALIA	2	0	580	0.0	9.6	-9.6
10	400 kV	NAUBATPUR-BALIA	2	0	622	0.0	9.9	-9.9
11	400 kV	BIHARSHARIFF-BALIA	2	163	470	0.0	2.8	-2.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	527	0.0	6.8	-6.8
13	400 kV	BIHARSHARIFF-VARANASI	2	148	241	0.0	1.6	-1.6
14	220 kV	SAHUPURI-KARAMNASA	1	0	163	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	3.5	60.1	-56.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	32.5	0.0	32.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1066	278	14.6	0.0	14.6
3	765 kV	JHARSUGUDA-DURG	2	0	314	4.4	0.0	4.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	1.8	-1.8
5	400 kV	RANCHI-SIPAT	2	299	51	4.3	0.0	4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	62	69	0.0	0.1	-0.1
7	220 kV	BUDHIPADAR-KORBA	2	192	0	2.5	0.0	2.5
					ER-WR	58.3	2.0	56.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	450	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1642	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2597	0.0	45.8	-45.8
4	400 kV	TALCHER-I/C	2	287	673	2.8	0.0	2.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	94.3	-94.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	338	0.0	5.1	-5.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	80	369	0.0	3.4	-3.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	90	0.0	1.2	-1.2
					ER-NER	0.0	9.7	-9.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	11.5	-11.5
					NER-NR	0.0	11.5	-11.5
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1511	0.0	28.3	-28.3
2	HVDC	VINDHYACHAL B/B	-	137	0	3.6	0.0	3.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	814	0.0	11.6	-11.6
4	765 kV	GWALIOR-AGRA	2	0	1943	0.0	30.5	-30.5
5	765 kV	GWALIOR-PHAGI	2	162	1573	0.0	19.6	-19.6
6	765 kV	JABALPUR-ORAI	2	0	921	0.0	26.2	-26.2
7	765 kV	GWALIOR-ORAI	1	833	0	11.5	0.0	11.5
8	765 kV	SATNA-ORAI	1	0	1018	0.0	20.2	-20.2
9	765 kV	BANASKANTHA-CHITORGARH	2	901	123	6.6	0.0	6.6
10	765 kV	VINDHYACHAL-VARANASI	2	0	3301	0.0	66.0	-66.0
11	400 kV	ZERDA-KANKROLI	1	315	0	4.5	0.0	4.5
12	400 kV	ZERDA -BHINMAL	1	668	0	10.5	0.0	10.5
13	400 kV	VINDHYACHAL -RIHAND	1	953	0	22.7	0.0	22.7
14	400 kV	RAPP-SHUJALPUR	2	282	414	0.0	1.8	-1.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	103	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	65	1	1.2	0.0	1.2
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	61.2	204.1	-142.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.1	0.0	24.1
2	HVDC	RAIGARH-PUGALUR	2	572	0	13.9	0.0	13.9
3	765 kV	SOLAPUR-RAICHUR	2	1069	1720	0.0	5.3	-5.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2663	0.0	42.5	-42.5
5	400 kV	KOLHAPUR-KUDGI	2	1251	0	20.5	0.0	20.5
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	120	1.9	0.0	1.9
					WR-SR	60.3	47.8	12.5

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)	168	0	143	3.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	192	0	173	4.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	109	0	50	1.2
	NER	132kV GELEPHU-SALAKATI	-7	0	-1	0.0
	NER	132kV MOTANGA-RANGIA	-43	-19	-29	-0.7
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-64	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	-18	0	-4	-0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-211	0	-130	-3.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-943	-937	-938	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-116	0	-98	-2.3