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: 29th 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 28.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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:** **29-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)	57846	58065	44052	23610	2885	186458
Peak Shortage (MW)	571	0	87	490	0	1148
Energy Met (MU)	1370	1400	1045	541	55	4411
Hydro Gen (MU)	230	49	89	58	23	449
Wind Gen (MU)	58	229	159	-	-	446
Solar Gen (MU)*	104.53	50.44	109.75	5.09	0.67	270
Energy Shortage (MU)	9.16	0.00	2.33	2.41	0.00	13.90
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63298	61315	48335	24408	2935	196061
Time Of Maximum Demand Met (From NLDC SCADA)	22:19	15:48	15:01	00:03	19:20	15:01

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	0.066	0.32	3.52	12.96	16.80	72.20	10.99

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	9379	0	191.0	105.0	-5.3	307	0.00
	Haryana	8330	75	175.6	111.5	0.4	329	1.99
	Rajasthan	14178	420	298.0	75.4	2.0	369	4.30
	Delhi	6133	0	118.4	107.5	-1.3	179	0.00
	UP	23100	0	450.4	212.2	1.5	799	2.48
	Uttarakhand	2278	0	48.6	34.0	0.1	113	0.13
	HP	1567	0	33.1	9.8	-1.0	47	0.00
	J&K(UT) & Ladakh(UT)	2142	150	48.2	29.0	-3.2	197	0.26
	Chandigarh	303	0	6.3	6.1	0.2	37	0.00
WR	Chhattisgarh	4181	0	96.2	57.1	-0.4	405	0.00
	Gujarat	19864	0	426.1	196.9	2.3	865	0.00
	MP	11075	0	247.4	115.4	0.0	291	0.00
	Maharashtra	24907	0	568.9	156.3	0.1	726	0.00
	Goa	653	0	14.7	14.5	0.0	22	0.00
	DD	345	0	7.8	7.8	0.0	35	0.00
	DNH	855	0	20.0	20.2	-0.2	46	0.00
	AMNSIL	888	0	19.3	10.7	0.4	290	0.00
SR	Andhra Pradesh	10413	0	212.7	69.9	3.5	1189	2.33
	Telangana	8586	0	179.5	68.1	1.0	603	0.00
	Karnataka	10735	0	215.8	24.2	-0.9	601	0.00
	Kerala	3678	0	76.2	49.1	-0.3	260	0.00
	Tamil Nadu	16013	0	351.9	160.5	-2.3	773	0.00
	Puducherry	418	0	9.0	9.1	-0.1	40	0.00
ER	Bihar	5987	447	118.5	106.5	-0.1	449	1.90
	DVC	3556	0	77.0	-37.2	-0.1	470	0.00
	Jharkhand	1571	0	33.0	23.4	0.3	220	0.51
	Odisha	5752	0	123.2	50.0	0.0	467	0.00
	West Bengal	9123	0	187.4	62.3	0.6	407	0.00
	Sikkim	100	0	1.5	1.0	0.5	53	0.00
NER	Arunachal Pradesh	141	0	2.2	2.6	-0.4	15	0.00
	Assam	1985	0	36.1	29.7	-0.1	98	0.00
	Manipur	188	0	2.6	2.6	0.0	21	0.00
	Meghalaya	325	0	5.5	2.0	-0.1	26	0.00
	Mizoram	100	0	1.7	1.8	-0.2	3	0.00
	Nagaland	138	0	2.6	2.4	0.1	15	0.00
	Tripura	271	0	4.2	3.2	-0.4	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.3	-3.8	-24.8
Day Peak (MW)	679.0	74.8	-1067.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	250.7	-198.2	11.0	-66.0	2.5	0.0
Actual(MU)	245.0	-201.2	9.6	-56.7	-1.4	-4.6
O/D/U/D(MU)	-5.6	-3.0	-1.4	9.3	-3.9	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3703	12416	7438	2110	697	26364	43
State Sector	9555	16156	8465	1390	97	35662	57
Total	13258	28571	15903	3500	794	62026	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	678	1244	538	580	14	3054	67
Lignite	19	11	69	0	0	99	2
Hydro	230	49	89	58	23	449	10
Nuclear	24	33	40	0	0	97	2
Gas, Naptha & Diesel	19	6	9	0	24	58	1
RES (Wind, Solar, Biomass & Others)	180	280	321	5	1	787	17
Total	1150	1623	1066	643	61	4543	100

Share of RES in total generation (%)	15.64	17.26	30.15	0.79	1.09	17.33
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.69	22.31	42.27	9.79	38.11	29.33

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.067

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: 29-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	351	0.0	8.0	-8.0
2	HVDC	PUSAULI B/B	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	457	177	3.2	0.0	3.2
4	765 kV	SASARAM-FATEHPUR	1	0	349	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	0	620	0.0	10.3	-10.3
6	400 kV	PUSAULI-VARANASI	1	132	14	1.1	0.0	1.1
7	400 kV	PUSAULI -ALLAHABAD	1	87	102	0.0	0.2	-0.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	193	555	0.0	4.7	-4.7
9	400 kV	PATNA-BALIA	2	0	670	0.0	10.2	-10.2
10	400 kV	NAUBATPUR-BALIA	2	0	513	0.0	7.9	-7.9
11	400 kV	BIHARSHARIFF-BALIA	2	261	322	0.0	1.8	-1.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	389	0.0	6.2	-6.2
13	400 kV	BIHARSHARIFF-VARANASI	2	140	184	0.0	0.4	-0.4
14	220 kV	SAHUPURI-KARAMNASA	1	0	183	0.0	3.0	-3.0
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	4.6	57.8	-53.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	18.1	0.0	18.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1286	0	20.7	0.0	20.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	3.6	0.0	3.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	2.7	-2.7
5	400 kV	RANCHI-SIPAT	2	325	0	5.7	0.0	5.7
6	220 kV	BUDHIPADAR-RAIGARH	1	62	74	0.0	0.5	-0.5
7	220 kV	BUDHIPADAR-KORBA	2	145	0	1.8	0.0	1.8
					ER-WR	49.8	3.2	46.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	336	0.0	7.4	-7.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1635	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2294	0.0	38.7	-38.7
4	400 kV	TALCHER-I/C	2	279	0	5.5	0.0	5.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	85.7	-85.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	313	0.0	4.2	-4.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	39	342	0.0	3.4	-3.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	76	0.0	1.1	-1.1
					ER-NER	0.0	8.7	-8.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	11.0	-11.0
					NER-NR	0.0	11.0	-11.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3529	0.0	47.8	-47.8
2	HVDC	VINDHYACHAL B/B	-	445	0	5.5	0.0	5.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	814	0.0	19.4	-19.4
4	765 kV	GWALIOR-AGRA	2	0	2017	0.0	34.4	-34.4
5	765 kV	GWALIOR-PHAGI	2	9	1428	0.0	22.1	-22.1
6	765 kV	JABALPUR-ORAI	2	0	902	0.0	14.1	-14.1
7	765 kV	GWALIOR-ORAI	1	597	192	4.7	0.0	4.7
8	765 kV	SATNA-ORAI	1	0	1456	0.0	25.3	-25.3
9	765 kV	BANASKANTHA-CHITORGARH	2	797	127	5.8	0.0	5.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	3640	0.0	68.8	-68.8
11	400 kV	ZERDA-KANKROLI	1	293	0	4.1	0.0	4.1
12	400 kV	ZERDA -BHINMAL	1	551	0	8.5	0.0	8.5
13	400 kV	VINDHYACHAL -RIHAND	1	971	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUJALPUR	2	140	408	0.0	3.9	-3.9
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	86	0	1.0	0.1	0.9
18	220 kV	MALANPUR-AURAIYA	1	55	14	0.3	0.0	0.3
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	51.9	235.8	-183.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	573	607	2.7	0.0	2.7
3	765 kV	SOLAPUR-RAICHUR	2	1361	1101	7.2	0.0	7.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2327	0.0	33.4	-33.4
5	400 kV	KOLHAPUR-KUDGI	2	1585	0	25.6	0.0	25.6
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	120	2.5	0.0	2.5
					WR-SR	62.0	33.4	28.7

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)	341	0	156	3.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	268	192	198	4.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	93	0	71	1.7
	NER	132kV GELEPHU-SALAKATI	-10	0	-3	-0.1
	NER	132kV MOTANGA-RANGIA	-45	-22	-36	-0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.3
	ER	NEPAL IMPORT (FROM BIHAR)	-18	0	-15	-0.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	166	0	-90	-2.2
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-947	0	-937	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-120	0	-97	-2.3