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: 26th 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 25.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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:** **26-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)	55608	58413	44965	22993	2898	184877
Peak Shortage (MW)	380	0	610	386	0	1376
Energy Met (MU)	1203	1382	1037	518	55	4195
Hydro Gen (MU)	206	58	95	63	24	445
Wind Gen (MU)	21	107	83	-	-	210
Solar Gen (MU)*	104.15	49.12	114.06	5.52	0.47	273
Energy Shortage (MU)	11.49	0.00	5.34	5.81	0.00	22.64
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56917	62042	48315	23497	2932	186998
Time Of Maximum Demand Met (From NLDC SCADA)	22:56	14:33	12:00	22:22	19:05	14:30

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	0.081	0.19	3.11	21.95	25.25	68.33	6.42

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	7982	0	167.5	92.2	-1.6	84	0.00
	Haryana	7125	30	149.9	108.2	-0.6	246	1.37
	Rajasthan	13343	111	272.9	93.1	0.6	531	5.35
	Delhi	4771	0	100.3	88.9	-1.0	110	0.00
	UP	20825	0	385.5	163.8	-1.2	315	3.29
	Uttarakhand	2028	0	42.5	23.9	1.0	240	0.35
	HP	1551	0	31.5	11.4	0.9	268	0.00
	J&K(UT) & Ladakh(UT)	2825	0	48.8	30.1	1.2	335	1.13
	Chandigarh	228	0	4.6	4.8	-0.2	19	0.00
WR	Chhattisgarh	4335	0	99.0	50.0	-0.8	222	0.00
	Gujarat	19719	0	425.4	225.6	0.0	741	0.00
	MP	10569	0	217.9	130.2	-7.7	544	0.00
	Maharashtra	25735	0	579.1	163.5	1.8	1085	0.00
	Goa	681	0	14.7	14.4	0.1	30	0.00
	DD	353	0	7.7	7.3	0.4	39	0.00
	DNH	859	0	19.9	19.4	0.5	92	0.00
	AMNSIL	823	0	18.5	10.6	0.6	275	0.00
SR	Andhra Pradesh	9701	0	192.2	55.0	3.6	1292	5.34
	Telangana	9239	0	185.8	53.4	0.3	684	0.00
	Karnataka	9732	0	201.9	38.2	0.1	715	0.00
	Kerala	3900	0	79.4	47.6	-0.2	200	0.00
	Tamil Nadu	16497	0	368.5	208.8	1.6	681	0.00
	Puducherry	465	0	9.4	9.3	0.0	70	0.00
ER	Bihar	5627	0	104.0	93.7	-0.6	590	0.08
	DVC	3452	0	75.9	-44.3	-0.9	377	0.00
	Jharkhand	1237	376	25.6	20.6	-0.4	210	5.74
	Odisha	6133	0	128.3	56.8	-3.3	357	0.00
	West Bengal	8729	0	182.4	56.5	0.6	527	0.00
	Sikkim	108	0	1.6	1.1	0.4	52	0.00
NER	Arunachal Pradesh	151	0	2.5	2.3	0.1	48	0.00
	Assam	1890	0	35.2	29.4	0.3	108	0.00
	Manipur	183	0	2.5	2.6	-0.1	22	0.00
	Meghalaya	314	0	5.8	0.4	-0.1	42	0.00
	Mizoram	101	0	1.7	1.8	-0.2	17	0.00
	Nagaland	138	0	2.4	2.4	-0.1	28	0.00
	Tripura	268	0	4.6	3.2	-0.2	50	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.6	-4.4	-25.1
Day Peak (MW)	658.0	-241.0	-1056.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.8	-120.8	29.2	-101.0	-3.1	0.0
Actual(MU)	181.9	-116.9	30.0	-93.3	-5.5	-3.8
O/D/U/D(MU)	-13.9	4.0	0.8	7.7	-2.4	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4239	13076	7398	2110	773	27596	44
State Sector	10725	14171	7120	2410	97	34523	56
Total	14964	27247	14518	4520	871	62119	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	638	1274	603	594	17	3126	72
Lignite	17	14	62	0	0	93	2
Hydro	206	58	95	63	24	445	10
Nuclear	23	33	40	0	0	96	2
Gas, Naptha & Diesel	16	5	7	0	24	52	1
RES (Wind, Solar, Biomass & Others)	141	157	245	6	0	548	13
Total	1041	1540	1051	663	65	4360	100

Share of RES in total generation (%)	13.55	10.16	23.26	0.84	0.72	12.57
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.56	16.03	36.05	10.33	37.81	24.98

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.036
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: 26-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	8.7	-8.7
2	HVDC	PUSAULI B/B	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	182	279	0.0	1.5	-1.5
4	765 kV	SASARAM-FATEHPUR	1	0	303	0.0	2.6	-2.6
5	765 kV	GAYA-BALIA	1	0	590	0.0	10.5	-10.5
6	400 kV	PUSAULI-VARANASI	1	21	73	0.0	0.3	-0.3
7	400 kV	PUSAULI -ALLAHABAD	1	48	85	0.0	0.3	-0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	658	0.0	8.8	-8.8
9	400 kV	PATNA-BALIA	2	0	576	0.0	12.1	-12.1
10	400 kV	NAUBATPUR-BALIA	2	0	614	0.0	12.5	-12.5
11	400 kV	BIHARSHARIFF-BALIA	2	0	422	0.0	3.1	-3.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	435	0.0	7.4	-7.4
13	400 kV	BIHARSHARIFF-VARANASI	2	31	204	0.0	1.8	-1.8
14	220 kV	SAHUPURI-KARAMNASA	1	0	153	0.0	2.4	-2.4
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	0.3	71.9	-71.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	18.7	0.0	18.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	966	0	12.7	0.0	12.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	0.6	-0.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.0	-4.0
5	400 kV	RANCHI-SIPAT	2	210	0	3.5	0.0	3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	23	79	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	153	0	2.0	0.0	2.0
					ER-WR	36.9	5.3	31.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	406	0.0	8.8	-8.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1981	0.0	45.7	-45.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2467	0.0	37.3	-37.3
4	400 kV	TALCHER-I/C	2	262	162	0.0	0.5	-0.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	91.8	-91.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	20	213	0.0	3.0	-3.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	83	261	0.0	2.3	-2.3
3	220 kV	ALIPURDUAR-SALAKATI	2	7	76	0.0	0.8	-0.8
					ER-NER	0.0	6.1	-6.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.0	-12.0
					NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	996	0.0	24.0	-24.0
2	HVDC	VINDHYACHAL B/B	-	226	0	4.2	0.0	4.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	308	0.0	7.3	-7.3
4	765 kV	GWALIOR-AGRA	2	0	1503	0.0	26.7	-26.7
5	765 kV	GWALIOR-PHAGI	2	0	1889	0.0	30.0	-30.0
6	765 kV	JABALPUR-ORAI	2	0	752	0.0	19.1	-19.1
7	765 kV	GWALIOR-ORAI	1	904	0	14.0	0.0	14.0
8	765 kV	SATNA-ORAI	1	0	1074	0.0	20.0	-20.0
9	765 kV	BANASKANTHA-CHITORGARH	2	1740	0	24.8	0.0	24.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	2741	0.0	52.2	-52.2
11	400 kV	ZERDA-KANKROLI	1	394	0	6.1	0.0	6.1
12	400 kV	ZERDA -BHINMAL	1	589	0	8.1	0.0	8.1
13	400 kV	VINDHYACHAL -RIHAND	1	961	0	22.4	0.0	22.4
14	400 kV	RAPP-SHUJALPUR	2	199	369	1.0	3.5	-2.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	105	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	60	0	1.5	0.0	1.5
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	83.0	182.8	-99.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	984	0	18.5	0.0	18.5
2	HVDC	RAIGARH-PUGALUR	2	596	748	0.0	9.1	-9.1
3	765 kV	SOLAPUR-RAICHUR	2	1378	1246	10.7	5.7	4.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2292	0.0	26.4	-26.4
5	400 kV	KOLHAPUR-KUDGI	2	1396	0	23.2	0.0	23.2
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	121	2.5	0.0	2.5
					WR-SR	54.9	41.2	13.6

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)	379	172	177	4.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	234	0	187	4.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	100	0	61	1.5
	NER	132kV GELEPHU-SALAKATI	12	0	5	0.1
	NER	132kV MOTANGA-RANGIA	44	14	22	0.5
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-69	0	-50	-1.2
	ER	NEPAL IMPORT (FROM BIHAR)	32	0	-25	-0.6
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-204	0	-108	-2.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-944	-939	-939	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-112	0	-108	-2.6