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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 7th June 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 06.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-जून-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 06th June 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:** **07-Jun-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)	63720	59854	43993	23929	3049	194545
Peak Shortage (MW)	952	0	0	676	0	1628
Energy Met (MU)	1529	1451	978	551	53	4562
Hydro Gen (MU)	277	31	77	90	24	500
Wind Gen (MU)	48	148	91	-	-	287
Solar Gen (MU)*	111.37	50.64	85.26	5.86	0.41	254
Energy Shortage (MU)	25.26	0.00	0.60	3.27	0.65	29.78
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69083	65093	45649	25119	3106	202439
Time Of Maximum Demand Met (From NLDC SCADA)	22:35	14:50	15:15	23:47	19:26	14:57

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	0.035	0.00	0.34	9.65	9.99	81.31	8.70

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	10045	0	220.6	98.3	-1.3	104	0.00
	Haryana	9877	0	207.4	133.8	0.7	169	0.00
	Rajasthan	15485	0	310.3	102.6	2.9	544	8.34
	Delhi	6692	0	135.0	123.5	-0.8	270	0.00
	UP	25077	190	518.0	254.2	1.7	546	11.47
	Uttarakhand	2402	0	50.1	28.8	0.9	182	1.18
	HP	1578	14	34.1	6.8	0.3	102	0.18
	J&K(UT) & Ladakh(UT)	2047	230	47.0	26.1	1.7	368	4.09
	Chandigarh	364	0	7.0	7.1	-0.1	62	0.00
WR	Chhattisgarh	4541	0	107.4	58.2	1.0	272	0.00
	Gujarat	20682	0	443.6	197.9	1.1	806	0.00
	MP	11466	0	263.6	133.1	0.0	378	0.00
	Maharashtra	26083	0	577.7	178.2	-3.3	658	0.00
	Goa	636	0	14.1	13.8	-0.2	23	0.00
	DNHDDPDCL	1218	0	27.9	27.5	0.4	80	0.00
	AMNSIL	757	0	16.3	10.1	0.1	248	0.00
SR	Andhra Pradesh	8509	0	184.4	78.2	0.1	920	0.60
	Telangana	8831	0	180.6	60.8	0.9	663	0.00
	Karnataka	9440	0	185.4	25.6	-1.7	646	0.00
	Kerala	3981	0	79.6	54.0	0.0	201	0.00
	Tamil Nadu	16175	0	338.4	167.0	0.6	1121	0.00
	Puducherry	446	0	9.1	9.3	-0.3	30	0.00
ER	Bihar	6310	0	124.6	118.5	-2.3	348	1.24
	DVC	3471	0	76.2	-40.7	-0.5	318	0.00
	Jharkhand	1487	214	33.2	24.2	0.2	189	2.03
	Odisha	5739	0	125.8	63.2	2.4	472	0.00
	West Bengal	9491	0	189.8	64.2	-0.1	491	0.00
	Sikkim	101	0	1.6	1.6	0.0	27	0.00
NER	Arunachal Pradesh	141	0	2.4	2.6	-0.4	14	0.00
	Assam	1982	0	33.7	27.8	-0.6	98	0.00
	Manipur	193	0	2.7	2.4	0.2	25	0.00
	Meghalaya	328	0	5.1	1.2	0.5	32	0.65
	Mizoram	104	0	1.8	1.8	-0.1	14	0.00
	Nagaland	135	0	2.6	2.4	-0.1	11	0.00
	Tripura	306	0	5.4	4.0	1.4	42	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.6	2.6	-26.1
Day Peak (MW)	1057.0	89.3	-1108.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	296.5	-184.1	2.9	-112.5	-2.9	0.0
Actual(MU)	286.0	-179.3	-2.1	-108.9	-4.8	-9.0
O/D/U/D(MU)	-10.5	4.8	-4.9	3.6	-1.9	-9.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2827	11743	6138	1610	668	22986	45
State Sector	8500	10851	7050	1580	160	28140	55
Total	11327	22593	13188	3190	829	51126	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	751	1384	597	606	17	3355	71
Lignite	17	11	45	0	0	72	2
Hydro	277	31	77	90	24	500	11
Nuclear	12	23	66	0	0	102	2
Gas, Naptha & Diesel	26	10	8	0	23	68	1
RES (Wind, Solar, Biomass & Others)	173	198	224	6	0	601	13
Total	1257	1659	1017	702	65	4699	100

Share of RES in total generation (%)	13.76	11.95	22.02	0.84	0.63	12.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.80	15.26	36.09	13.72	38.01	25.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.068

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: 07-Jun-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	8.6	-8.6
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2
3	765 kV	GAYA-VARANASI	2	55	355	0.0	4.3	-4.3
4	765 kV	SASARAM-FATEHPUR	1	0	408	0.0	7.0	-7.0
5	765 kV	GAYA-BALIA	1	0	717	0.0	13.0	-13.0
6	400 kV	PUSAULI-VARANASI	1	27	30	0.0	0.1	-0.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	88	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	920	0.0	15.8	-15.8
9	400 kV	PATNA-BALIA	2	0	594	0.0	12.2	-12.2
10	400 kV	NAUBATPUR-BALIA	2	0	632	0.0	13.2	-13.2
11	400 kV	BIHARSHARIFF-BALIA	2	0	665	0.0	10.1	-10.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	449	0.0	8.6	-8.6
13	400 kV	BIHARSHARIFF-VARANASI	2	0	250	0.0	4.1	-4.1
14	220 kV	SAHUPURI-KARAMNASA	1	0	193	0.0	3.1	-3.1
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	0	62	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	102.4	-101.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	33.9	0.0	33.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1033	38	11.2	0.0	11.2
3	765 kV	JHARSUGUDA-DURG	2	0	314	5.9	0.0	5.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.5	-4.5
5	400 kV	RANCHI-SIPAT	2	240	35	2.0	0.0	2.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	93	0.0	1.4	-1.4
7	220 kV	BUDHIPADAR-KORBA	2	94	23	0.8	0.0	0.8
					ER-WR	53.8	5.9	47.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	430	0.0	9.5	-9.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1648	0.0	39.5	-39.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2946	0.0	45.3	-45.3
4	400 kV	TALCHER-I/C	2	559	0	5.6	0.0	5.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	94.2	-94.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	103	254	0.2	2.6	-2.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	114	288	0.0	2.2	-2.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	90	0.0	1.0	-1.0
					ER-NER	0.2	5.8	-5.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	505	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	2004	0.0	48.2	-48.2
2	HVDC	VINDHYACHAL B/B	-	272	0	7.2	0.0	7.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	813	0.0	19.4	-19.4
4	765 kV	GWALIOR-AGRA	2	0	2164	0.0	32.0	-32.0
5	765 kV	GWALIOR-PHAGI	2	0	1694	0.0	23.2	-23.2
6	765 kV	JABALPUR-ORAI	2	0	1056	0.0	32.5	-32.5
7	765 kV	GWALIOR-ORAI	1	687	0	12.0	0.0	12.0
8	765 kV	SATNA-ORAI	1	0	1090	0.0	21.9	-21.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1177	407	6.3	0.0	6.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	3401	0.0	59.0	-59.0
11	400 kV	ZERDA-KANKROLI	1	340	0	3.9	0.0	3.9
12	400 kV	ZERDA -BHINMAL	1	583	0	7.9	0.0	7.9
13	400 kV	VINDHYACHAL -RIHAND	1	956	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	292	500	0.0	2.8	-2.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2
17	220 kV	MEHGAON-AURAIYA	1	102	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	68	0	1.6	0.0	1.6
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	61.7	241.3	-179.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	21.5	0.0	21.5
2	HVDC	RAIGARH-PUGALUR	2	2874	0	43.2	0.0	43.2
3	765 kV	SOLAPUR-RAICHUR	2	862	2239	0.0	8.3	-8.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2889	0.0	40.2	-40.2
5	400 kV	KOLHAPUR-KUDGI	2	1648	0	30.2	0.0	30.2
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	107	2.1	0.0	2.1
					WR-SR	97.0	48.5	48.5

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)	369	0	325	7.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	459	0	363	8.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	192	143	144	3.5
	NER	132kV GELEPHU-SALAKATI	-17	-7	-16	-0.4
	NER	132kV MOTANGA-RANGIA	-55	-29	-42	-1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-65	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-37	0	-15	-0.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	202	141	188	4.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-939	-940	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-166	0	-149	-3.6