

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 22nd 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
- 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 21.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21st June 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day
A. Power Supply Position at All India and Regional level Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	58422	54538	41528	24622	2825	181935
Peak Shortage (MW)	70	0	0	374	29	473
Energy Met (MU)	1317	1280	941	524	51	4113
Hydro Gen (MU)	246	32	45	120	36	478
Wind Gen (MU)	39	173	187	-	-	399
Solar Gen (MU)*	66.97	46.84	89.71	5.38	0.59	209
Energy Shortage (MU)	3.53	0.00	0.00	2.47	0.03	6.03
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60564	55421	42421	25264	2848	182058
Time Of Maximum Demand Met (From NLDC SCADA)	22:34	14:41	19:24	23:07	19:09	20:36

B. Frequency Profile (%)
Region
All India FVI 0.057

All India	0.057	0.34	2.41	10.22	12.96	74.53	12.51		
C. Power Supply Position in States									
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy	
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage	
		day(MW) Demand(MW)	(NIC)	(MU)	(MC)	(1111)	(MU)		
	Punjab	10622	0	215.7	134.7	-8.7	108	0.00	
	Haryana	8800	0	185.7	124.2	0.1	368	0.00	
	Rajasthan	10019	4	222.0	33.0	-2.7	405	0.10	
	Delhi	5273	0	107.7	96.8	-0.8	105	0.00	
NR	UP	22683	0	453.2	212.8	0.5	587	1.48	
	Uttarakhand	2200	0	45.3	26.9	1.5	148	1.15	
	HP	1580	0	32.6	11.7	1.1	181	0.48	
	J&K(UT) & Ladakh(UT)	2240	0	49.9	31.4	-0.6	187	0.32	
	Chandigarh	224	0	4.8	5.1	-0.3	8	0.00	
	Chhattisgarh	3975	0	90.4	40.5	0.6	266	0.00	
	Gujarat	19239	0	414.8	171.4	1.7	1225	0.00	
	MP	9283	0	200.6	85.9	0.0	590	0.00	
WR	Maharashtra	23439	0	516.5	173.1	-2.2	787	0.00	
	Goa	588	0	12.1	12.0	-0.3	66	0.00	
	DNHDDPDCL	1205	0	27.9	27.9	0.0	59	0.00	
	AMNSIL	844	0	17.5	11.3	-0.1	283	0.00	
	Andhra Pradesh	8508	0	188.1	61.1	-1.2	593	0.00	
	Telangana	7763	0	160.3	50.5	0.2	455	0.00	
SR	Karnataka	10025	0	191.1	55.3	-1.0	780	0.00	
	Kerala	3605	0	75.1	58.0	0.1	223	0.00	
	Tamil Nadu	14821	0	317.3	146.0	-9.8	579	0.00	
	Puducherry	411	0	9.6	9.3	-0.4	34	0.00	
	Bihar	5821	278	111.6	100.7	-0.3	347	2.26	
	DVC	3506	0	73.2	-33.1	-0.7	269	0.00	
	Jharkhand	1384	0	30.0	22.3	-1.0	249	0.21	
ER	Odisha	6527	0	133.7	74.8	-0.6	335	0.00	
	West Bengal	9079	0	174.2	50.7	-0.2	503	0.00	
	Sikkim	97	0	1.5	1.6	-0.1	15	0.00	
	Arunachal Pradesh	144	0	2.4	2.2	-0.2	33	0.00	
	Assam	1774	0	32.0	23.5	0.3	91	0.00	
	Manipur	183	0	2.5	2.5	0.0	18	0.00	
NER	Meghalaya	325	0	5.6	0.3	0.4	31	0.03	
1	Mizoram	111	0	1.9	1.6	-0.2	16	0.00	
	Nagaland	146	0	2.6	2.3	-0.2	9	0.00	
	Tripura	258	0	4.2	3.4	-0.3	46	0.00	

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan 42.0 1982.0 -25.1 -1067.0 Nepal 5.6 Actual (MU) Day Peak (MW)

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	255.2	-164.7	39.6	-113.7	-16.4	0.0
Actual(MU)	258.0	-153.6	13.5	-104.1	-16.4	-2.7
O/D/U/D(MU)	2.8	11.1	-26.2	9.6	0.0	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3023	15086	7068	3230	822	29228	46
State Sector	8470	14284	9565	2310	160	34788	54
Total	11493	29369	16633	5540	982	64016	100

G. Sourcewise generation (MU)

Gradulte wise generation (MC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	686	1154	467	549	14	2870	67
Lignite	28	15	61	0	0	103	2
Hydro	247	32	45	120	36	480	11
Nuclear	20	33	62	0	0	115	3
Gas, Naptha & Diesel	21	3	9	0	23	56	1
RES (Wind, Solar, Biomass & Others)	119	220	315	5	1	660	15
Total	1120	1457	959	675	73	4284	100
Share of RES in total generation (%)	10.60	15.10	32.86	0.79	0.80	15.40	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	34.46	19.52	43.98	18.60	49.43	29.27	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.080

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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 22-Jun-2022

	•						Date of Reporting:	22-Jun-2022
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
No Impo	ort/Export of ER (V	With NR)					·	
1	HVDC	ALIPURDUAR-AGRA	2	0	1753	0.0	40.4	-40.4
2		PUSAULI B/B GAYA-VARANASI	-	0 515	49	0.0	1.3 0.0	-1.3
4	765 kV 765 kV	SASARAM-FATEHPUR	1	0	146 326	3.1 0.0	4.9	3.1 -4.9
5	765 kV	GAYA-BALIA	ī	Ŏ	460	0.0	8.2	-8.2
6		PUSAULI-VARANASI	1	10	46	0.0	0.3 0.8	-0.3
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	2	0	68 872	0.0	15.2	-0.8 -15.2
9	400 kV	PATNA-BALIA	2	0	501	0.0	9.0	-9.0
10		NAUBATPUR-BALIA	2	0	528	0.0	9.1 5.6	-9.1
11 12		BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	431 458	0.0	8.4	-5.6 -8.4
13	400 kV	BIHARSHARIFF-VARANASI	2	125	199	0.0	1.0	-1.0
14		SAHUPURI-KARAMNASA	1	0	147	0.0	2.4	-2.4
15 16		NAGAR UNTARI-RIHAND GARWAH-RIHAND	1	0 25	0	0.0	0.0	0.0 0.5
17		KARMANASA-SAHUPURI	î	0	42	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Impo	ort/Export of ER (V	With WR)			ER-NR	3.7	106.7	-103.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	15.2	0.0	15.2
2		NEW RANCHI-DHARAMJAIGARH	2	934	358	7.8	0.0	7.8
3	765 kV	JHARSUGUDA-DURG	2	0	314	6.7	0.0	6.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	2.3	0.0	2.3
5	400 kV	RANCHI-SIPAT	2	349	94	3.2	0.0	3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	65	25	0.6	0.0	0.6
7	220 kV	BUDHIPADAR-KORBA	2	192	0	3.0	0.0	3.0
т.		Wat on			ER-WR	38.7	0.0	38.7
1mpc	ort/Export of ER (V HVDC	JEYPORE-GAZUWAKA B/B	2	31	443	0.0	9,9	-9.9
2		TALCHER-KOLAR BIPOLE	2	0	1835	0.0	38.5	-38.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2329	0.0	36.9	-36.9
4	400 kV	TALCHER-I/C RALIMELA JIPPER-SH EDDII	2	695	0	6.5	0.0	6.5
_5		BALIMELA-UPPER-SILERRU	1 1		0 ER-SR	0.0	85.3	0.0 -85.3
Impo	ort/Export of ER (V							
1	400 kV	BINAGURI-BONGAIGAON	2	20	386	0.0	3.5	-3.5
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	383 14	197 82	3.9 0.0	0.0	3.9 -0.6
				. 14	ER-NER	3.9	4.1	-0.6
	ort/Export of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	729	0.0	17.5 17.5	-17.5
Impo	ort/Export of WR (With NR)			NER-NR	0.0	17.5	-17.5
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1015	0.0	24.4	-24.4
2	HVDC	VINDHYACHAL B/B		444	0	12.2	0.0	12.2
4		MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	512 1708	0.0	12.2 29.1	-12.2 -29.1
5		GWALIOR-PHAGI	2	0	1105	0.0	15.9	-29.1 -15.9
6		JABALPUR-ORAI	2	Ö	699	0.0	24.0	-24.0
7		GWALIOR-ORAI	1	468	0	8.3	0.0	8.3
9		SATNA-ORAI BANASKANTHA-CHITORGARH	1 2	736	989 494	0.0	20.6 0.0	-20.6 0.3
10		VINDHYACHAL-VARANASI	2	0	3091	0.0	60.6	-60.6
11	400 kV	ZERDA-KANKROLI	1	251	0	2.7	0.0	2.7
12		ZERDA -BHINMAL	1	475	0	5.9	0.0	5.9
13 14		VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	969 72	0 305	21.8 0.0	0.0 2.9	21.8 -2.9
15		BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8
17		MEHGAON-AURAIYA	1	92 58	0 12	0.3 1.0	0.0	0.3 1.0
18 19		MALANPUR-AURAIYA 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
_		was on			WR-NR	52.4	191.4	-139.0
1mpc	ort/Export of WR (HVDC	BHADRAWATI B/B		987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	1489	603	7.3	0.0	7.3
3		SOLAPUR-RAICHUR	2	1648	1559	0.4	0.0	0.4
5		WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2	0 1601	2374	0.0 24.8	34.0 0.0	-34.0 24.8
6		KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	Ō	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	87 WR-SR	1.7	0.0 34.0	1.7
\vdash		TAT	TERNATIONAL EX	CHANCES	WK-SK	58.2		24.3
	Gr. 4							+ve)/Export(-ve) Energy Exchange
	State	Region		Name	Max (MW)	Min (MW)	Avg (MW)	(MII)
		ER 1		U-ALIPURDUAR AR RECEIPT (from	637	0	550	13.2
		ER	MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU	JRI 1,2,4 (& 400kV	1096	900	1050	25.2
	BHUTAN		RECEIPT (from TAL/ 220kV CHUKHA-BIR	A HEP (6*170MW) PARA 1&2 (& 220kV			179	
	DHUIAN	ER	MALBASE - BIRPAR RECEIPT (from CHU	KHA HEP 4*84MW)	305	0	1/9	4.3
		NER	132kV GELEPHU-SAI	LAKATI	-24	-5	-12	-0.3
		NER	132kV MOTANGA-RA	ANGIA	-26	-10	-19	-0.5
		NR	132kV MAHENDRAN TANAKPUR(NHPC)	AGAR-	-79	0	-70	-1.7
	NEPAL	ER	NEPAL IMPORT (FR	OM BIHAR)	-16	0	-8	-0.2
		ER	400kV DHALKEBAR-	MUZAFFARPUR 1&2	344	178	310	7.4
		ER	BHERAMARA B/B H	VDC (BANGLADESH)	-945	-941	-942	-22.6
E	SANGLADESH	NER	132kV COMILLA-SUI 1&2	RAJMANI NAGAR	-122	0	-106	-2.5
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