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: 14th 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 13.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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:** **14-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)	62908	55600	44534	23357	2617	189016
Peak Shortage (MW)	2265	0	0	1389	0	3654
Energy Met (MU)	1566	1332	1051	560	45	4554
Hydro Gen (MU)	301	29	67	97	34	527
Wind Gen (MU)	23	50	123	-	-	196
Solar Gen (MU)*	97.49	41.23	104.42	5.72	0.21	249
Energy Shortage (MU)	49.68	0.15	0.00	10.97	0.04	60.84
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69466	58599	49123	24561	2635	201155
Time Of Maximum Demand Met (From NLDC SCADA)	12:15	14:45	15:37	23:37	19:19	11:44

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	0.179	2.80	9.64	29.57	42.01	54.70	3.29

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	11389	0	242.0	137.6	-0.8	215	0.00
	Haryana	10821	0	225.3	151.8	-1.4	220	0.64
	Rajasthan	14544	820	296.4	86.4	-2.0	307	13.84
	Delhi	7202	0	150.3	134.6	0.4	350	0.00
	UP	25514	160	509.8	239.3	0.7	1817	29.89
	Uttarakhand	2355	75	50.9	30.1	0.9	150	2.20
	HP	1605	21	34.1	6.2	0.8	169	0.48
	J&K(UT) & Ladakh(UT)	2058	250	49.4	26.0	0.1	229	2.63
	Chandigarh	388	0	7.6	7.3	0.3	38	0.00
WR	Chhattisgarh	4450	0	107.0	51.8	-0.3	342	0.15
	Gujarat	18325	0	400.1	187.9	-0.9	912	0.00
	MP	10497	0	239.1	120.7	0.0	467	0.00
	Maharashtra	23624	0	527.5	159.0	-4.4	671	0.00
	Goa	592	0	12.2	12.0	-0.2	66	0.00
	DNHDDPDCL	1220	0	28.0	27.6	0.4	76	0.00
	AMNSIL	834	0	17.8	9.9	-0.7	248	0.00
SR	Andhra Pradesh	10506	0	215.3	85.9	3.3	761	0.00
	Telangana	9045	0	183.7	72.7	0.5	684	0.00
	Karnataka	11147	0	212.4	62.5	-1.5	704	0.00
	Kerala	3826	0	75.0	53.3	-0.8	141	0.00
	Tamil Nadu	16267	0	354.5	165.9	-1.1	1729	0.00
	Puducherry	433	0	10.0	9.5	-0.2	29	0.00
ER	Bihar	5751	554	123.3	111.3	-0.6	327	7.58
	DVC	3558	0	75.2	-45.4	-0.8	280	0.00
	Jharkhand	1549	0	31.5	21.6	0.9	231	3.39
	Odisha	6518	0	136.2	62.7	1.9	539	0.00
	West Bengal	9486	0	192.4	63.5	1.8	591	0.00
	Sikkim	99	0	1.4	1.6	-0.2	37	0.00
NER	Arunachal Pradesh	123	0	2.3	2.1	0.1	18	0.00
	Assam	1694	0	28.3	21.2	0.2	88	0.00
	Manipur	174	0	2.6	2.5	0.0	10	0.00
	Meghalaya	283	0	3.7	0.5	-0.1	28	0.04
	Mizoram	89	0	1.9	1.8	0.0	13	0.00
	Nagaland	142	0	2.7	2.3	0.0	3	0.00
	Tripura	247	0	4.0	3.9	-0.3	32	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.9	5.3	-25.4
Day Peak (MW)	1071.0	290.8	-1063.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	352.3	-241.5	27.4	-118.1	-20.1	0.0
Actual(MU)	341.8	-249.3	27.3	-106.8	-24.9	-11.8
O/D/U/D(MU)	-10.4	-7.8	-0.1	11.3	-4.8	-11.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4356	10879	6178	2930	638	24981	49
State Sector	7505	9904	7090	1310	110	25918	51
Total	11861	20782	13268	4240	749	50900	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	760	1432	583	595	18	3387	72
Lignite	31	14	64	0	0	109	2
Hydro	302	29	67	97	34	529	11
Nuclear	15	33	67	0	0	116	2
Gas, Naptha & Diesel	30	10	10	0	23	73	2
RES (Wind, Solar, Biomass & Others)	132	92	274	6	0	503	11
Total	1271	1609	1064	697	76	4717	100

Share of RES in total generation (%)	10.40	5.69	25.72	0.82	0.28	10.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.39	9.53	38.30	14.75	45.63	24.34

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.076

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: 14-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	1003	0.0	23.5	-23.5
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3
3	765 kV	GAYA-VARANASI	2	92	465	0.0	4.5	-4.5
4	765 kV	SASARAM-FATEHPUR	1	0	414	0.0	7.3	-7.3
5	765 kV	GAYA-BALIA	1	0	729	0.0	8.9	-8.9
6	400 kV	PUSAULI-VARANASI	1	38	16	0.3	0.0	0.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	96	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1038	0.0	18.5	-18.5
9	400 kV	PATNA-BALIA	2	0	699	0.0	13.8	-13.8
10	400 kV	NAUBATPUR-BALIA	2	0	746	0.0	14.7	-14.7
11	400 kV	BIHARSHARIFF-BALIA	2	0	704	0.0	11.9	-11.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	563	0.0	9.5	-9.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	255	0.0	4.2	-4.2
14	220 kV	SAHUPURI-KARAMNASA	1	0	185	0.0	3.2	-3.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	0	47	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.8	122.6	-121.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	30.2	0.0	30.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1068	0	18.2	0.0	18.2
3	765 kV	JHARSUGUDA-DURG	2	0	314	9.2	0.0	9.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	3.7	-3.7
5	400 kV	RANCHI-SIPAT	2	240	14	3.2	0.0	3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	52	63	0.0	0.2	-0.2
7	220 kV	BUDHIPADAR-KORBA	2	187	0	3.0	0.0	3.0
					ER-WR	63.7	3.8	59.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	403	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1992	0.0	42.8	-42.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2688	0.0	40.8	-40.8
4	400 kV	TALCHER-I/C	2	555	377	0.0	2.1	-2.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	92.3	-92.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	222	213	1.2	1.5	-0.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	544	159	6.3	0.0	6.3
3	220 kV	ALIPURDUAR-SALAKATI	2	63	52	0.4	0.0	0.4
					ER-NER	7.9	1.5	6.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1508	0.0	19.3	-19.3
					NER-NR	0.0	19.3	-19.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3006	0.0	57.6	-57.6
2	HVDC	VINDHYACHAL B/B	-	447	0	8.5	0.0	8.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2022	0.0	27.2	-27.2
4	765 kV	GWALIOR-AGRA	2	0	2061	0.0	36.1	-36.1
5	765 kV	GWALIOR-PHAGI	2	0	1562	0.0	27.3	-27.3
6	765 kV	JABALPUR-ORAI	2	0	982	0.0	37.3	-37.3
7	765 kV	GWALIOR-ORAI	1	634	0	11.8	0.0	11.8
8	765 kV	SATNA-ORAI	1	0	1044	0.0	22.8	-22.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1519	0	18.2	0.0	18.2
10	765 kV	VINDHYACHAL-VARANASI	2	0	3514	0.0	71.6	-71.6
11	400 kV	ZERDA-KANKROLI	1	338	0	4.7	0.0	4.7
12	400 kV	ZERDA -BHINMAL	1	511	0	8.6	0.0	8.6
13	400 kV	VINDHYACHAL -RIHAND	1	970	0	22.2	0.0	22.2
14	400 kV	RAPP-SHUJALPUR	2	0	447	0.0	5.5	-5.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2
17	220 kV	MEHGAON-AURAIYA	1	103	0	0.6	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	64	2	1.3	0.0	1.3
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	75.9	287.4	-211.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	984	0	13.0	0.0	13.0
2	HVDC	RAIGARH-PUGALUR	2	2410	0	40.7	0.0	40.7
3	765 kV	SOLAPUR-RAICHUR	2	671	2308	0.0	16.8	-16.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2975	0.0	44.2	-44.2
5	400 kV	KOLHAPUR-KUDGI	2	1598	0	27.5	0.0	27.5
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	96	1.8	0.0	1.8
					WR-SR	83.1	61.0	22.1

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)	397	0	351	8.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	545	0	403	9.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	102	0	68	1.6
	NER	132kV GELEPHU-SALAKATI	-8	0	0	0.0
	NER	132kV MOTANGA-RANGIA	-43	-30	-37	-0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	-35	0	-17	-0.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	404	190	303	7.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-940	-941	-22.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-121	0	-118	-2.8