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: 11th 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 10.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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:** **11-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)	65934	57896	45008	23483	2962	195283
Peak Shortage (MW)	190	0	0	394	0	584
Energy Met (MU)	1604	1428	1087	547	56	4722
Hydro Gen (MU)	301	26	65	113	32	536
Wind Gen (MU)	71	120	194	-	-	385
Solar Gen (MU)*	109.00	51.58	105.54	6.34	0.45	273
Energy Shortage (MU)	21.37	0.00	0.00	4.37	0.00	25.74
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	72111	64695	50884	23752	3013	211856
Time Of Maximum Demand Met (From NLDC SCADA)	14:44	14:51	11:52	23:23	19:03	14:47

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	0.019	0.00	0.00	1.10	1.10	87.73	11.17

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	10668	0	237.6	127.7	-1.0	184	0.00
	Haryana	10717	0	221.0	150.0	1.5	277	0.00
	Rajasthan	15247	0	322.1	83.2	2.4	440	4.46
	Delhi	7089	0	145.4	133.1	0.0	337	0.00
	UP	25692	410	532.6	265.6	1.1	724	11.68
	Uttarakhand	2417	0	51.9	30.8	1.1	143	1.81
	HP	1715	0	36.2	8.5	0.9	141	0.00
	J&K(UT) & Ladakh(UT)	1796	0	49.3	23.0	1.3	240	3.42
	Chandigarh	381	0	7.6	7.3	0.3	38	0.00
WR	Chhattisgarh	4605	0	108.0	56.3	-3.0	155	0.00
	Gujarat	21236	0	450.8	205.9	2.0	974	0.00
	MP	11422	0	261.6	134.9	0.0	429	0.00
	Maharashtra	25019	0	546.7	171.7	-1.9	721	0.00
	Goa	598	0	12.8	12.9	-0.6	84	0.00
	DNHDDPDCL	1227	0	28.5	28.3	0.2	82	0.00
	AMNSIL	891	0	19.4	9.8	0.3	289	0.00
SR	Andhra Pradesh	11079	0	225.1	82.4	-0.4	777	0.00
	Telangana	9806	0	196.9	73.6	0.7	604	0.00
	Karnataka	10791	0	210.6	32.8	-1.2	671	0.00
	Kerala	3867	0	79.3	57.8	-0.3	217	0.00
	Tamil Nadu	16416	0	365.2	161.3	1.3	698	0.00
	Puducherry	436	0	10.3	9.5	0.1	39	0.00
ER	Bihar	6152	0	128.5	115.3	-0.1	197	0.79
	DVC	3528	0	74.5	-44.6	-1.4	548	0.00
	Jharkhand	1613	105	32.5	24.6	0.5	331	3.58
	Odisha	6232	0	136.2	66.4	4.5	827	0.00
	West Bengal	8611	0	174.4	60.3	-0.7	523	0.00
	Sikkim	99	0	1.5	1.7	-0.2	13	0.00
NER	Arunachal Pradesh	130	0	2.3	2.6	-0.3	15	0.00
	Assam	1955	0	36.1	30.1	0.5	105	0.00
	Manipur	185	0	2.7	2.7	0.0	18	0.00
	Meghalaya	318	0	5.6	0.5	-0.1	36	0.00
	Mizoram	106	0	1.7	1.7	-0.1	11	0.00
	Nagaland	134	0	2.4	2.3	-0.2	14	0.00
	Tripura	284	0	5.0	3.5	-0.1	34	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.2	7.2	-24.7
Day Peak (MW)	1773.0	333.2	-1054.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	334.4	-192.3	-1.7	-135.2	-5.2	0.0
Actual(MU)	328.4	-201.7	0.6	-124.1	-8.5	-5.3
O/D/U/D(MU)	-6.0	-9.4	2.3	11.1	-3.3	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2558	9570	6138	2930	668	21865	42
State Sector	8610	10812	7010	2160	160	28751	58
Total	11168	20382	13148	5090	829	50616	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	733	1383	578	590	14	3298	68
Lignite	31	13	54	0	0	98	2
Hydro	301	26	65	113	32	536	11
Nuclear	13	34	67	0	0	115	2
Gas, Naptha & Diesel	35	36	10	0	23	103	2
RES (Wind, Solar, Biomass & Others)	193	172	344	6	0	716	15
Total	1306	1663	1119	709	69	4866	100

Share of RES in total generation (%)	14.79	10.32	30.79	0.89	0.65	14.71
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.85	13.93	42.60	16.80	46.35	28.09

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.012
Based on State Max Demands	1.050

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: 11-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	1000	0.0	16.5	-16.5
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3
3	765 kV	GAYA-VARANASI	2	188	528	0.0	5.7	-5.7
4	765 kV	SASARAM-FATEHPUR	1	0	476	0.0	8.7	-8.7
5	765 kV	GAYA-BALIA	1	0	696	0.0	12.6	-12.6
6	400 kV	PUSAULI-VARANASI	1	40	28	0.4	0.0	0.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	98	0.0	1.5	-1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1156	0.0	24.5	-24.5
9	400 kV	PATNA-BALIA	2	0	560	0.0	10.8	-10.8
10	400 kV	NAUBATPUR-BALIA	2	0	596	0.0	11.1	-11.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	763	0.0	12.9	-12.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	505	0.0	9.7	-9.7
13	400 kV	BIHARSHARIFF-VARANASI	2	0	349	0.0	5.7	-5.7
14	220 kV	SAHUPURI-KARAMNASA	1	0	175	0.0	3.3	-3.3
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	0.8	124.2	-123.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	26.2	0.0	26.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1054	324	9.2	0.0	9.2
3	765 kV	JHARSUGUDA-DURG	2	0	314	13.5	0.0	13.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.6	-4.6
5	400 kV	RANCHI-SIPAT	2	136	107	1.1	0.0	1.1
6	220 kV	BUDHIPADAR-RAIGARH	1	29	105	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	182	0	2.4	0.0	2.4
					ER-WR	52.3	5.7	46.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	500	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1636	0.0	35.4	-35.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2599	0.0	46.2	-46.2
4	400 kV	TALCHER-I/C	2	711	0	9.6	0.0	9.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	91.4	-91.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	191	256	0.0	0.8	-0.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	252	332	0.9	0.0	0.9
3	220 kV	ALIPURDUAR-SALAKATI	2	5	117	0.0	1.0	-1.0
					ER-NER	0.9	1.8	-0.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	500	0.0	10.9	-10.9
					NER-NR	0.0	10.9	-10.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2676	0.0	59.5	-59.5
2	HVDC	VINDHYACHAL B/B	-	445	0	11.6	0.0	11.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1517	0.0	22.9	-22.9
4	765 kV	GWALIOR-AGRA	2	0	2342	0.0	36.5	-36.5
5	765 kV	GWALIOR-PHAGI	2	0	1629	0.0	25.8	-25.8
6	765 kV	JABALPUR-ORAI	2	40	1088	0.0	29.7	-29.7
7	765 kV	GWALIOR-ORAI	1	552	0	9.6	0.0	9.6
8	765 kV	SATNA-ORAI	1	0	1213	0.0	24.3	-24.3
9	765 kV	BANASKANTHA-CHITORGARH	2	1291	488	9.5	0.0	9.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	3588	0.0	64.0	-64.0
11	400 kV	ZERDA-KANKROLI	1	372	0	4.4	0.0	4.4
12	400 kV	ZERDA -BHINMAL	1	818	0	11.5	0.0	11.5
13	400 kV	VINDHYACHAL -RIHAND	1	968	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	262	494	0.7	4.7	-4.0
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4
17	220 kV	MEHGAON-AURAIYA	1	121	0	1.1	0.0	1.1
18	220 kV	MALANPUR-AURAIYA	1	86	0	2.0	0.0	2.0
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	72.1	269.7	-197.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	21.1	0.0	21.1
2	HVDC	RAIGARH-PUGALUR	2	2868	0	35.8	0.0	35.8
3	765 kV	SOLAPUR-RAICHUR	2	1013	1873	2.5	9.9	-7.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2631	0.0	38.5	-38.5
5	400 kV	KOLHAPUR-KUDGI	2	1727	0	30.3	0.0	30.3
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	1	97	1.4	0.0	1.4
					WR-SR	91.0	48.5	42.5

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)	751	0	579	13.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	830	0	574	13.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	262	0	244	5.9
	NER	132kV GELEPHU-SALAKATI	21	4	13	0.3
	NER	132kV MOTANGA-RANGIA	61	18	42	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-60	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	74	31	41	1.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	336	266	318	7.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-940	-941	-22.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-112	0	-90	-2.2