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: 27th 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 26.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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:** **27-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)	66986	51446	38490	24451	2903	184276
Peak Shortage (MW)	0	0	0	140	20	160
Energy Met (MU)	1615	1245	927	527	55	4368
Hydro Gen (MU)	286	27	45	94	31	484
Wind Gen (MU)	19	92	243	-	-	354
Solar Gen (MU)*	116.78	45.67	92.06	4.76	0.60	260
Energy Shortage (MU)	11.66	0.00	0.00	2.16	0.60	14.42
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	73432	53424	42511	24964	2930	189175
Time Of Maximum Demand Met (From NLDC SCADA)	22:17	11:24	11:48	22:51	18:56	22:17

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	0.085	0.75	4.70	8.98	14.43	70.51	15.06

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	13267	0	310.2	186.5	-1.8	116	0.00
	Haryana	10631	0	225.8	145.2	1.7	244	0.59
	Rajasthan	14185	0	297.5	86.4	1.7	354	3.81
	Delhi	6700	0	127.7	116.2	-0.5	245	0.00
	UP	25435	0	511.5	235.5	2.1	645	6.05
	Uttarakhand	2302	0	48.7	29.5	0.1	112	1.01
	HP	1571	0	33.2	8.6	0.3	182	0.00
	J&K(UT) & Ladakh(UT)	2178	0	53.6	31.9	-1.3	71	0.20
	Chandigarh	356	0	6.6	6.4	0.1	53	0.00
WR	Chhattisgarh	4173	0	98.0	48.5	-1.2	174	0.00
	Gujarat	18508	0	395.3	198.7	-3.7	784	0.00
	MP	9776	0	221.0	101.0	0.0	373	0.00
	Maharashtra	20840	0	474.0	139.2	-1.2	696	0.00
	Goa	545	0	10.9	10.6	-0.1	35	0.00
	DNHDDPDCL	1169	0	26.9	26.8	0.1	83	0.00
	AMNSIL	848	0	18.7	11.6	0.7	236	0.00
SR	Andhra Pradesh	8871	0	189.1	46.4	0.9	668	0.00
	Telangana	8347	0	159.8	64.9	0.1	591	0.00
	Karnataka	9061	0	178.3	42.8	-2.9	705	0.00
	Kerala	3368	0	67.4	53.7	0.0	158	0.00
	Tamil Nadu	14142	0	323.1	136.4	-10.0	689	0.00
	Puducherry	406	0	9.2	8.9	-0.3	36	0.00
ER	Bihar	6383	645	126.9	115.4	0.4	360	0.71
	DVC	3601	0	76.5	-42.1	-0.1	306	0.00
	Jharkhand	1565	0	33.4	23.9	0.2	174	1.45
	Odisha	5641	0	124.1	60.6	0.8	220	0.00
	West Bengal	8472	0	164.6	44.0	0.8	405	0.00
	Sikkim	73	0	1.1	1.2	-0.1	9	0.00
NER	Arunachal Pradesh	139	0	2.5	2.1	0.1	32	0.00
	Assam	1889	0	35.0	26.5	0.3	117	0.00
	Manipur	183	0	2.4	2.5	-0.1	28	0.00
	Meghalaya	324	0	5.7	0.5	0.3	56	0.60
	Mizoram	84	0	1.5	1.3	-0.2	1	0.00
	Nagaland	136	0	2.6	2.4	-0.1	24	0.00
	Tripura	286	0	5.1	4.6	0.4	70	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	33.0	4.8	-25.0
Day Peak (MW)	1796.0	365.0	-1070.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	371.0	-193.5	-37.6	-133.7	-6.2	0.0
Actual(MU)	363.1	-187.0	-53.0	-123.1	-9.6	-9.6
O/D/U/D(MU)	-7.9	6.5	-15.4	10.5	-3.4	-9.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2972	13646	7148	2305	822	26893	45
State Sector	5840	13449	11945	1670	160	33063	55
Total	8812	27094	19093	3975	982	59956	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	799	1243	446	591	16	3095	68
Lignite	27	13	65	0	0	104	2
Hydro	288	27	45	94	31	485	11
Nuclear	28	33	67	0	0	128	3
Gas, Naptha & Diesel	21	3	10	0	24	58	1
RES (Wind, Solar, Biomass & Others)	149	138	378	5	1	670	15
Total	1313	1456	1011	690	72	4541	100

Share of RES in total generation (%)	11.37	9.47	37.36	0.69	0.84	14.76
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.46	13.55	48.47	14.37	44.80	28.27

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.043
Based on State Max Demands	1.086

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: 27-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	1002	0.0	25.9	-25.9
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3
3	765 kV	GAYA-VARANASI	2	136	522	0.0	3.9	-3.9
4	765 kV	SASARAM-FATEHPUR	1	0	501	0.0	8.0	-8.0
5	765 kV	GAYA-BALIA	1	0	784	0.0	13.7	-13.7
6	400 kV	PUSAULI-VARANASI	1	60	26	0.3	0.0	0.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	117	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	920	0.0	14.7	-14.7
9	400 kV	PATNA-BALIA	2	0	686	0.0	12.5	-12.5
10	400 kV	NAUBATPUR-BALIA	2	0	732	0.0	13.3	-13.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	609	0.0	7.2	-7.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	500	0.0	8.9	-8.9
13	400 kV	BIHARSHARIFF-VARANASI	2	0	340	0.0	3.9	-3.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	170	0.0	3.0	-3.0
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6
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	0.9	117.6	-116.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	14.6	0.0	14.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1246	24	18.9	0.0	18.9
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.8	-3.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.7	-4.7
5	400 kV	RANCHI-SIPAT	2	220	124	2.4	0.0	2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	15	76	1.1	0.0	1.1
7	220 kV	BUDHIPADAR-KORBA	2	148	0	2.2	0.0	2.2
					ER-WR	39.2	8.5	30.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	597	0	10.8	0.0	10.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1140	0.0	27.7	-27.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2945	0.0	51.1	-51.1
4	400 kV	TALCHER-I/C	2	771	0	17.3	0.0	17.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	10.8	78.8	-68.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	542	0.0	4.7	-4.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	4	634	0.0	6.9	-6.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	156	0.0	2.3	-2.3
					ER-NER	0.0	14.0	-14.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1006	0.0	24.1	-24.1
					NER-NR	0.0	24.1	-24.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3527	0.0	67.2	-67.2
2	HVDC	VINDHYACHAL B/B	-	442	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1517	0.0	29.5	-29.5
4	765 kV	GWALIOR-AGRA	2	0	2477	0.0	34.7	-34.7
5	765 kV	GWALIOR-PHAGI	2	0	1949	0.0	30.0	-30.0
6	765 kV	JABALPUR-ORAI	2	0	1190	0.0	37.5	-37.5
7	765 kV	GWALIOR-ORAI	1	730	0	12.2	0.0	12.2
8	765 kV	SATNA-ORAI	1	0	1230	0.0	24.6	-24.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1327	468	11.1	0.0	11.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	3553	0.0	68.3	-68.3
11	400 kV	ZERDA-KANKROLI	1	323	82	2.8	0.0	2.8
12	400 kV	ZERDA -BHINMAL	1	524	153	4.6	0.0	4.6
13	400 kV	VINDHYACHAL -RIHAND	1	956	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	0	0	0.0	0.0	0.0
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
17	220 kV	MEHGAON-AURAIYA	1	95	0	0.3	0.1	0.2
18	220 kV	MALANPUR-AURAIYA	1	61	22	1.0	0.0	1.0
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	66.0	294.0	-228.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	990	0	23.0	0.0	23.0
2	HVDC	RAIGARH-PUGALUR	2	2882	0	59.0	0.0	59.0
3	765 kV	SOLAPUR-RAICHUR	2	1388	1684	6.4	11.6	-5.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2676	0.0	37.4	-37.4
5	400 kV	KOLHAPUR-KUDGI	2	1750	0	28.8	0.0	28.8
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	106	1.8	0.0	1.8
					WR-SR	119.0	49.0	70.0

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)	589	584	589	14.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	992	0	661	15.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	216	0	172	4.1
	NER	132kV GELEPHU-SALAKATI	19	10	16	0.4
	NER	132kV MOTANGA-RANGIA	56	30	41	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-62	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	42	5	-21	-0.5
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	401	15	282	6.8
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-905	-877	-897	-21.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-165	0	-144	-3.5