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: 16th 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 15.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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:** **16-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)	65224	55785	43630	22825	2331	189795
Peak Shortage (MW)	1123	0	0	482	23	1628
Energy Met (MU)	1638	1364	1028	525	44	4599
Hydro Gen (MU)	326	29	59	108	34	557
Wind Gen (MU)	48	112	84	-	-	245
Solar Gen (MU)*	114.11	46.39	87.29	5.53	0.22	254
Energy Shortage (MU)	29.61	0.00	0.00	4.59	0.01	34.21
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	74745	59657	46668	23565	2523	203078
Time Of Maximum Demand Met (From NLDC SCADA)	12:55	14:47	15:08	23:18	18:56	14:56

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	0.038	0.00	1.22	2.20	3.41	70.79	25.81

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	12510	0	264.6	150.8	-2.2	205	0.00
	Haryana	11054	0	239.9	164.6	0.2	405	0.58
	Rajasthan	15217	0	308.4	80.6	0.4	448	5.98
	Delhi	7227	0	145.3	130.9	-0.5	328	0.00
	UP	24896	490	526.5	279.7	1.4	928	20.69
	Uttarakhand	2517	0	54.3	33.8	0.1	291	0.47
	HP	1738	0	35.9	7.0	-0.5	75	0.00
	J&K(UT) & Ladakh(UT)	2194	200	55.0	28.9	1.5	295	1.89
	Chandigarh	407	0	7.8	8.0	-0.2	23	0.00
WR	Chhattisgarh	4374	0	99.9	53.1	-1.1	192	0.00
	Gujarat	18050	0	406.6	173.9	0.0	602	0.00
	MP	10772	0	242.0	106.5	0.0	706	0.00
	Maharashtra	24699	0	557.1	174.7	-1.2	782	0.00
	Goa	627	0	12.9	12.7	-0.3	41	0.00
	DNHDDPDCL	1227	0	28.6	28.5	0.1	53	0.00
	AMNSIL	809	0	17.1	4.5	0.3	257	0.00
SR	Andhra Pradesh	9503	0	205.9	87.2	2.5	1023	0.00
	Telangana	8296	0	171.2	63.0	3.0	903	0.00
	Karnataka	10930	0	209.5	84.9	0.2	528	0.00
	Kerala	3590	0	76.4	54.6	0.8	329	0.00
	Tamil Nadu	15725	0	355.1	192.3	-1.4	838	0.00
	Puducherry	432	0	9.9	9.4	-0.3	28	0.00
ER	Bihar	5708	243	119.6	110.3	-2.3	412	1.28
	DVC	3499	100	72.8	-47.0	0.1	450	0.51
	Jharkhand	1302	0	28.0	20.2	-0.9	83	2.80
	Odisha	5911	0	125.3	55.0	-0.6	429	0.00
	West Bengal	8910	0	177.7	53.8	-0.1	476	0.00
	Sikkim	94	0	1.4	1.6	-0.2	15	0.00
NER	Arunachal Pradesh	135	0	2.6	2.5	0.1	56	0.00
	Assam	1535	0	25.7	19.1	-0.8	82	0.00
	Manipur	174	0	2.6	2.6	0.0	13	0.00
	Meghalaya	298	0	4.9	0.1	0.1	70	0.01
	Mizoram	94	0	1.8	1.7	0.0	0	0.00
	Nagaland	124	0	2.3	1.9	0.2	6	0.00
	Tripura	206	0	4.1	3.2	-0.1	27	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.4	4.3	-24.2
Day Peak (MW)	1900.0	248.6	-1022.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	365.5	-274.3	77.3	-150.4	-18.1	0.0
Actual(MU)	356.3	-280.2	93.1	-148.4	-24.7	-3.9
O/D/U/D(MU)	-9.2	-5.8	15.8	2.0	-6.6	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2979	11419	5788	2630	702	23518	45
State Sector	8050	11029	7790	1970	110	28948	55
Total	11029	22448	13578	4600	812	52466	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	758	1414	559	588	16	3334	70
Lignite	25	14	63	0	0	102	2
Hydro	328	29	59	108	34	559	12
Nuclear	19	33	67	0	0	119	3
Gas, Naptha & Diesel	37	25	9	0	23	94	2
RES (Wind, Solar, Biomass & Others)	178	159	214	6	0	556	12
Total	1345	1674	970	701	74	4765	100

Share of RES in total generation (%)	13.25	9.48	22.03	0.79	0.30	11.68
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.03	13.19	35.06	16.23	46.85	25.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.058

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: 16-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	1502	0.0	27.0	-27.0
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2
3	765 kV	GAYA-VARANASI	2	122	560	0.0	6.8	-6.8
4	765 kV	SASARAM-FATEHPUR	1	0	553	0.0	9.7	-9.7
5	765 kV	GAYA-BALIA	1	0	624	0.0	11.2	-11.2
6	400 kV	PUSAULI-VARANASI	1	63	9	0.6	0.0	0.6
7	400 kV	PUSAULI -ALLAHABAD	1	0	119	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1290	0.0	20.5	-20.5
9	400 kV	PATNA-BALIA	2	0	560	0.0	11.0	-11.0
10	400 kV	NAUBATPUR-BALIA	2	0	593	0.0	11.5	-11.5
11	400 kV	BIHARSHARIFF-BALIA	2	0	826	0.0	12.3	-12.3
12	400 kV	MOTIHARI-GORAKHPUR	2	0	650	0.0	11.7	-11.7
13	400 kV	BIHARSHARIFF-VARANASI	2	0	388	0.0	6.6	-6.6
14	220 kV	SAHUPURI-KARAMNASA	1	0	195	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	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	1.1	134.4	-133.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	25.7	0.0	25.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	665	447	1.1	0.0	1.1
3	765 kV	JHARSUGUDA-DURG	2	0	314	4.0	0.0	4.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.4	-4.4
5	400 kV	RANCHI-SIPAT	2	183	148	0.0	0.8	-0.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	111	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	144	0	1.5	0.0	1.5
					ER-WR	32.3	6.7	25.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	396	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1649	0.0	39.7	-39.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2934	0.0	50.4	-50.4
4	400 kV	TALCHER-I/C	2	262	0	5.4	0.0	5.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	98.8	-98.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	270	179	2.5	0.0	2.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	586	0	9.8	0.0	9.8
3	220 kV	ALIPURDUAR-SALAKATI	2	74	26	0.8	0.0	0.8
					ER-NER	13.2	0.0	13.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.2	-12.2
					NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3022	0.0	72.8	-72.8
2	HVDC	VINDHYACHAL B/B	-	447	486	2.7	4.8	-2.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	813	0.0	19.0	-19.0
4	765 kV	GWALIOR-AGRA	2	0	1911	0.0	31.1	-31.1
5	765 kV	GWALIOR-PHAGI	2	0	1532	0.0	19.6	-19.6
6	765 kV	JABALPUR-ORAI	2	0	945	0.0	30.5	-30.5
7	765 kV	GWALIOR-ORAI	1	617	0	9.2	0.0	9.2
8	765 kV	SATNA-ORAI	1	0	1092	0.0	22.6	-22.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1267	596	5.0	0.0	5.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	3311	0.0	60.4	-60.4
11	400 kV	ZERDA-KANKROLI	1	344	32	3.0	0.0	3.0
12	400 kV	ZERDA -BHINMAL	1	663	6	7.1	0.0	7.1
13	400 kV	VINDHYACHAL -RIHAND	1	968	0	21.7	0.0	21.7
14	400 kV	RAPP-SHUJALPUR	2	275	397	0.7	3.3	-2.6
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.6	-2.6
17	220 kV	MEHGAON-AURAIYA	1	117	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	81	0	1.9	0.0	1.9
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	52.0	266.6	-214.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	395	0	9.6	0.0	9.6
2	HVDC	RAIGARH-PUGALUR	2	571	606	0.0	4.7	-4.7
3	765 kV	SOLAPUR-RAICHUR	2	697	2417	1.0	21.9	-20.9
4	765 kV	WARDHA-NIZAMABAD	2	0	3116	0.0	48.4	-48.4
5	400 kV	KOLHAPUR-KUDGI	2	1331	0	21.0	0.0	21.0
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	100	2.0	0.0	2.0
					WR-SR	33.6	75.0	-41.4

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)	596	479	529	12.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1083	0	719	17.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	293	158	165	4.0
	NER	132kV GELEPHU-SALAKATI	29	2	28	0.7
	NER	132kV MOTANGA-RANGIA	50	14	34	0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-58	-1.4
	ER	NEPAL IMPORT (FROM BIHAR)	-41	-13	-28	-0.7
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	360	181	267	6.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-921	-922	-22.1
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-98	0	-88	-2.1