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: 27thSeptember 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 26.09.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-सितंबर-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 26thSep 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-Sep-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)	53762	52403	43962	25212	3199	178538
Peak Shortage (MW)	588	0	0	713	0	1301
Energy Met (MU)	1126	1265	1071	553	59	4074
Hydro Gen (MU)	332	106	179	141	33	790
Wind Gen (MU)	12	32	66	-	-	110
Solar Gen (MU)*	111.14	43.72	74.78	5.02	0.72	235
Energy Shortage (MU)	5.50	0.06	0.00	3.54	0.32	9.42
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54236	56954	52293	25378	3202	183628
Time Of Maximum Demand Met (From NLDC SCADA)	19:36	10:48	11:48	23:11	18:05	11:50

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	0.046	0.68	1.10	7.23	9.02	80.20	10.79

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	6720	0	139.4	100.3	-1.6	309	0.00
	Haryana	7018	250	140.0	102.5	0.2	239	0.75
	Rajasthan	12219	0	261.4	81.0	1.3	418	2.35
	Delhi	4612	0	95.2	88.2	-1.8	91	0.00
	UP	19872	0	374.3	149.2	-0.6	354	0.77
	Uttarakhand	1561	0	33.4	18.6	0.2	184	1.55
	HP	1609	0	30.5	-3.8	-0.2	69	0.00
	J&K(UT) & Ladakh(UT)	2560	0	47.4	23.7	-0.2	215	0.08
	Chandigarh	226	0	4.2	4.5	-0.4	48	0.00
WR	Chhattisgarh	4607	0	108.9	55.1	-0.2	178	0.00
	Gujarat	19936	0	416.0	247.3	3.1	781	0.00
	MP	10248	0	214.5	85.8	0.0	553	0.00
	Maharashtra	21654	0	473.1	178.8	-2.5	1029	0.00
	Goa	593	0	11.5	11.8	-0.8	68	0.06
	DNHDDPDCL	1218	0	27.7	27.6	0.1	47	0.00
	AMNSIL	592	0	13.4	7.0	0.1	281	0.00
SR	Andhra Pradesh	10392	0	210.6	72.0	1.3	936	0.00
	Telangana	13191	0	233.3	77.3	1.4	1239	0.00
	Karnataka	11260	0	207.9	79.8	1.5	823	0.00
	Kerala	3820	0	78.3	42.5	0.0	245	0.00
	Tamil Nadu	15404	0	331.4	173.9	1.4	1059	0.00
	Puducherry	418	0	9.3	8.9	-0.2	40	0.00
ER	Bihar	5838	92	120.1	108.9	1.1	399	1.94
	DVC	3393	0	72.3	-2.5	1.4	443	0.00
	Jharkhand	1643	94	32.1	23.1	-0.3	155	1.60
	Odisha	6591	0	138.9	57.2	-0.3	359	0.00
	West Bengal	9068	0	188.1	48.3	0.2	413	0.00
	Sikkim	108	0	1.7	1.7	0.0	26	0.00
NER	Arunachal Pradesh	125	0	2.2	2.0	0.0	32	0.00
	Assam	2131	0	38.0	30.8	0.2	170	0.26
	Manipur	201	49	2.7	2.5	0.1	34	0.06
	Meghalaya	333	0	5.9	2.8	-0.1	72	0.00
	Mizoram	82	0	1.6	0.9	-0.1	46	0.00
	Nagaland	153	0	2.7	2.2	-0.1	14	0.00
	Tripura	295	0	5.5	5.5	0.2	48	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	38.4	8.7	-24.9
Day Peak (MW)	1937.0	364.0	-1092.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	98.6	-67.8	89.8	-109.5	-11.2	0.0
Actual(MU)	72.0	-64.0	112.3	-112.6	-11.4	-3.6
O/D/U/D(MU)	-26.6	3.8	22.5	-3.1	-0.2	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4632	17576	5678	1720	309	29914	44
State Sector	10940	14081	8144	5120	162	38446	56
Total	15572	31657	13822	6840	470	68360	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	598	1118	511	556	14	2798	66
Lignite	28	13	55	0	0	96	2
Hydro	334	106	180	141	33	792	19
Nuclear	25	40	56	0	0	121	3
Gas, Naptha & Diesel	15	4	8	0	29	56	1
RES (Wind, Solar, Biomass & Others)	129	77	179	5	1	391	9
Total	1128	1358	989	701	77	4253	100

Share of RES in total generation (%)	11.34	5.70	18.09	0.72	0.94	9.17
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.15	16.42	41.94	20.77	43.69	30.65

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.087

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-Sep-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	700	0.0	16.5	-16.5
2	HVDC	PUSAULI B/B	-	1	346	0.0	8.5	-8.5
3	765 kV	GAYA-VARANASI	2	413	322	1.3	0.0	1.3
4	765 kV	SASARAM-FATEHPUR	1	112	329	0.0	3.7	-3.7
5	765 kV	GAYA-BALIA	1	94	348	0.0	2.3	-2.3
6	400 kV	PUSAULI-VARANASI	1	0	263	0.0	5.1	-5.1
7	400 kV	PUSAULI -ALLAHABAD	1	8	158	0.0	3.0	-3.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	830	0.0	15.7	-15.7
9	400 kV	PATNA-BALIA	2	0	403	0.0	6.7	-6.7
10	400 kV	NAUBATPUR-BALIA	2	0	423	0.0	7.1	-7.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	330	0.0	4.6	-4.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	503	0.0	8.4	-8.4
13	400 kV	BIHARSHARIFF-VARANASI	2	127	185	0.0	0.6	-0.6
14	220 kV	SAHUPURI-KARAMNASA	1	0	149	0.0	1.9	-1.9
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
17	132 kV	KARMANASA-SAHUPURI	1	0	19	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	1.7	84.0	-82.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1435	0	18.2	0.0	18.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	670	0.0	0.7	-0.7
3	765 kV	JHARSUGUDA-DURG	2	0	392	0.0	5.3	-5.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	483	0.0	5.1	-5.1
5	400 kV	RANCHI-SIPAT	2	156	317	0.0	1.3	-1.3
6	220 kV	BUDHIPADAR-RAIGARH	1	22	123	0.0	1.4	-1.4
7	220 kV	BUDHIPADAR-KORBA	2	135	0	1.5	0.0	1.5
					ER-WR	19.7	13.8	5.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	291	0	7.2	0.0	7.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	41.0	-41.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	3131	0.0	53.6	-53.6
4	400 kV	TALCHER-I/C	2	541	248	2.4	0.0	2.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	7.2	94.6	-87.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	255	185	0.8	1.1	-0.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	481	215	1.4	0.0	1.4
3	220 kV	ALIPURDUAR-SALAKATI	2	30	53	0.0	0.4	-0.4
					ER-NER	2.2	1.4	0.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.0	-12.0
					NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2012	0.0	33.0	-33.0
2	HVDC	VINDHYACHAL B/B	-	447	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1015	0.0	13.7	-13.7
4	765 kV	GWALIOR-AGRA	2	735	907	0.0	1.3	-1.3
5	765 kV	GWALIOR-PHAGI	2	617	1542	0.0	14.7	-14.7
6	765 kV	JABALPUR-ORAI	2	459	661	0.0	2.2	-2.2
7	765 kV	GWALIOR-ORAI	1	811	0	13.4	0.0	13.4
8	765 kV	SATNA-ORAI	1	0	788	0.0	13.4	-13.4
9	765 kV	BANASKANTHA-CHITORGARH	2	2702	0	44.6	0.0	44.6
10	765 kV	VINDHYACHAL-VARANASI	2	29	2212	0.0	27.6	-27.6
11	400 kV	ZERDA-KANKROLI	1	514	0	8.1	0.0	8.1
12	400 kV	ZERDA -BHINMAL	1	779	0	11.6	0.0	11.6
13	400 kV	VINDHYACHAL -RIHAND	1	962	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUJALPUR	2	673	390	3.6	0.0	3.6
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
17	220 kV	MEHGAON-AURAIYA	1	155	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	119	0	2.3	0.0	2.3
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	119.2	107.1	12.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	512	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	2506	0.0	36.4	-36.4
3	765 kV	SOLAPUR-RAICHUR	2	790	1569	0.0	7.2	-7.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2896	0.0	39.5	-39.5
5	400 kV	KOLHAPUR-KUDGI	2	1437	0	23.2	0.0	23.2
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	98	1.9	0.0	1.9
					WR-SR	25.1	95.2	-70.1

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)	627	0	532	12.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1026	949	959	23.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	217	185	188	4.5
	NER	132kV GELEPHU-SALAKATI	-25	-3	-17	-0.4
	NER	132kV MOTANGA-RANGIA	-57	-34	-42	-1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-66	0	-11	-0.3
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	430	271	371	8.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-920	-811	-890	-21.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-172	0	-148	-3.6