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: 26thSeptember 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 25.09.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25thSep 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:** **26-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)	49917	50604	41600	25198	2892	170211
Peak Shortage (MW)	75	0	0	265	0	340
Energy Met (MU)	1019	1206	1056	556	56	3892
Hydro Gen (MU)	326	105	180	138	33	782
Wind Gen (MU)	39	82	65	-	-	187
Solar Gen (MU)*	106.00	49.29	114.74	4.83	0.42	275
Energy Shortage (MU)	0.71	0.00	0.00	0.91	0.00	1.62
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50457	53898	50774	25694	2967	172773
Time Of Maximum Demand Met (From NLDC SCADA)	19:37	18:58	11:57	21:28	18:03	19:24

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	0.033	0.00	1.04	3.75	4.79	78.30	16.91

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	5831	0	118.6	80.5	-2.0	187	0.00
	Haryana	5695	0	114.6	75.2	-0.1	255	0.00
	Rajasthan	10732	0	244.5	62.0	-3.8	323	0.00
	Delhi	3987	0	83.1	76.5	-1.8	117	0.00
	UP	18963	0	347.1	153.9	-2.6	574	0.00
	Uttarakhand	1604	0	33.6	10.5	0.1	188	0.56
	HP	1362	0	27.6	-7.5	0.5	157	0.00
	J&K(UT) & Ladakh(UT)	2454	0	46.0	27.2	0.1	215	0.15
	Chandigarh	195	0	3.5	5.0	-1.6	0	0.00
WR	Chhattisgarh	4521	0	104.9	49.8	0.9	256	0.00
	Gujarat	18477	0	392.9	227.0	-5.4	605	0.00
	MP	9658	0	201.4	76.2	0.0	688	0.00
	Maharashtra	20629	0	455.3	174.0	-2.1	877	0.00
	Goa	571	0	10.9	10.9	-0.6	68	0.00
	DNHDDPDCL	1163	0	26.9	26.9	0.0	49	0.00
	AMNSIL	600	0	13.5	7.2	0.1	255	0.00
SR	Andhra Pradesh	10920	0	217.6	80.4	2.1	839	0.00
	Telangana	12478	0	226.3	69.7	1.4	947	0.00
	Karnataka	11028	0	200.5	61.4	1.5	812	0.00
	Kerala	3511	0	72.2	38.1	0.4	209	0.00
	Tamil Nadu	14408	0	329.8	156.4	1.3	595	0.00
	Puducherry	397	0	9.1	8.7	-0.3	33	0.00
ER	Bihar	6248	0	120.4	110.0	1.0	360	0.38
	DVC	3286	0	71.8	2.9	0.0	292	0.00
	Jharkhand	1745	0	33.7	25.1	-0.8	179	0.53
	Odisha	6403	0	145.5	68.6	-1.5	286	0.00
	West Bengal	8676	0	182.9	48.6	-1.0	507	0.00
	Sikkim	94	0	1.5	1.3	0.3	59	0.00
NER	Arunachal Pradesh	130	0	2.3	2.1	-0.1	46	0.00
	Assam	1916	0	36.1	29.3	-0.2	137	0.00
	Manipur	175	0	2.6	2.7	-0.1	52	0.00
	Meghalaya	315	0	6.2	2.7	0.1	67	0.00
	Mizoram	77	0	1.5	1.0	-0.2	20	0.00
	Nagaland	138	0	2.6	2.1	-0.1	18	0.00
	Tripura	285	0	5.0	5.2	-0.2	24	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.6	9.8	-25.5
Day Peak (MW)	2039.0	378.0	-1072.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	53.0	-73.1	89.4	-57.6	-11.8	0.0
Actual(MU)	24.3	-65.4	112.6	-53.0	-11.4	7.2
O/D/U/D(MU)	-28.7	7.6	23.2	4.6	0.4	7.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6506	18326	6778	1930	309	33848	46
State Sector	11340	15196	8397	4910	183	40025	54
Total	17846	33522	15175	6840	491	73873	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	527	1010	472	501	12	2521	63
Lignite	25	13	48	0	0	86	2
Hydro	298	105	180	138	33	755	19
Nuclear	28	40	46	0	0	114	3
Gas, Naptha & Diesel	12	2	8	0	29	51	1
RES (Wind, Solar, Biomass & Others)	151	133	229	5	0	518	12
Total	1041	1302	983	644	74	4045	100

Share of RES in total generation (%)	14.50	10.18	23.28	0.75	0.57	12.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.68	21.30	46.24	22.18	45.31	33.90

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.064
Based on State Max Demands	1.092

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: 26-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	702	0.0	17.1	-17.1
2	HVDC	PUSAULI B/B	-	0	348	0.0	8.5	-8.5
3	765 kV	GAYA-VARANASI	2	747	129	9.3	0.0	9.3
4	765 kV	SASARAM-FATEHPUR	1	274	156	1.7	0.0	1.7
5	765 kV	GAYA-BALIA	1	210	294	0.0	0.1	-0.1
6	400 kV	PUSAULI-VARANASI	1	0	272	0.0	5.8	-5.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	157	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	738	0.0	11.3	-11.3
9	400 kV	PATNA-BALIA	2	63	355	0.0	4.6	-4.6
10	400 kV	NAUBATPUR-BALIA	2	106	373	0.0	3.1	-3.1
11	400 kV	BIHARSHARIFF-BALIA	2	154	246	0.0	1.1	-1.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	500	0.0	5.1	-5.1
13	400 kV	BIHARSHARIFF-VARANASI	2	269	76	2.6	0.0	2.6
14	220 kV	SAHUPURI-KARAMNASA	1	11	119	0.0	1.2	-1.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
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	14.0	60.4	-46.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1953	0	29.2	0.0	29.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	650	160	6.0	0.0	6.0
3	765 kV	JHARSUGUDA-DURG	2	24	347	0.0	3.3	-3.3
4	400 kV	JHARSUGUDA-RAIGARH	4	102	394	0.0	2.8	-2.8
5	400 kV	RANCHI-SIPAT	2	240	192	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	20	73	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	209	0	3.2	0.0	3.2
					ER-WR	40.3	6.8	33.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	291	330	1.6	0.0	1.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1984	0.0	36.8	-36.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2984	0.0	50.2	-50.2
4	400 kV	TALCHER-I/C	2	683	910	3.7	0.0	3.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	1.6	86.9	-85.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	135	266	0.4	1.4	-1.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	290	386	0.0	0.7	-0.7
3	220 kV	ALIPURDUAR-SALAKATI	2	8	66	0.0	0.6	-0.6
					ER-NER	0.4	2.7	-2.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	15.0	-15.0
					NER-NR	0.0	15.0	-15.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2012	0.0	21.5	-21.5
2	HVDC	VINDHYACHAL B/B	-	448	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1013	0.0	7.4	-7.4
4	765 kV	GWALIOR-AGRA	2	640	741	2.9	0.0	2.9
5	765 kV	GWALIOR-PHAGI	2	1671	1465	0.0	1.9	-1.9
6	765 kV	JABALPUR-ORAI	2	500	430	4.3	0.0	4.3
7	765 kV	GWALIOR-ORAI	1	879	150	8.8	0.0	8.8
8	765 kV	SATNA-ORAI	1	0	701	0.0	11.3	-11.3
9	765 kV	BANASKANTHA-CHITORGARH	2	1946	0	34.5	0.0	34.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	2427	0.0	33.6	-33.6
11	400 kV	ZERDA-KANKROLI	1	438	0	8.0	0.0	8.0
12	400 kV	ZERDA -BHINMAL	1	791	0	12.4	0.0	12.4
13	400 kV	VINDHYACHAL -RIHAND	1	964	0	19.0	0.0	19.0
14	400 kV	RAPP-SHUJALPUR	2	885	236	6.8	0.0	6.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.1	-1.1
17	220 kV	MEHGAON-AURAIYA	1	138	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	102	0	2.1	0.0	2.1
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	112.3	76.8	35.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	23.2	-23.2
2	HVDC	RAIGARH-PUGALUR	2	0	1001	0.0	23.7	-23.7
3	765 kV	SOLAPUR-RAICHUR	2	670	1665	0.0	8.8	-8.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2782	0.0	35.6	-35.6
5	400 kV	KOLHAPUR-KUDGI	2	1376	0	22.1	0.0	22.1
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	99	1.8	0.0	1.8
					WR-SR	23.9	91.3	-67.4

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)	661	0	624	15.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1092	0	992	23.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	232	0	215	5.2
	NER	132kV GELEPHU-SALAKATI	-33	-14	-21	-0.5
	NER	132kV MOTANGA-RANGIA	-50	-22	-38	-0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-41	0	-4	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	419	264	413	9.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-920	-920	-920	-22.1
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-152	0	-142	-3.4