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: 06th September 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 05.09.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th Sep 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: 06-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)	68533	52964	42688	25597	3106	192888
Peak Shortage (MW)	1796	0	0	880	0	2676
Energy Met (MU)	1634	1268	977	562	58	4499
Hydro Gen (MU)	362	105	173	141	37	818
Wind Gen (MU)	30	98	44	-	-	173
Solar Gen (MU)*	116.44	44.93	100.69	4.94	0.66	268
Energy Shortage (MU)	17.59	0.00	0.00	8.61	0.00	26.20
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	72602	55988	45973	26336	3162	198641
Time Of Maximum Demand Met (From NLDC SCADA)	12:26	19:16	14:54	23:28	18:45	12:28

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	0.60	6.26	6.86	83.57	9.57

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	13988	0	311.1	192.3	-1.1	110	0.00
	Haryana	11702	33	248.7	166.9	-0.1	202	1.27
	Rajasthan	14334	0	299.3	98.1	2.6	438	2.09
	Delhi	6429	0	131.8	121.4	-1.0	108	0.04
	UP	25161	410	510.9	246.8	1.7	575	13.46
	Uttarakhand	2172	0	46.3	20.7	0.3	112	0.38
	HP	1562	0	32.1	-4.0	0.3	80	0.00
	J&K(UT) & Ladakh(UT)	2469	0	47.0	22.4	0.9	208	0.35
	Chandigarh	342	0	6.9	7.2	-0.3	14	0.00
WR	Chhattisgarh	4701	0	108.1	57.7	-0.5	259	0.00
	Gujarat	19354	0	405.9	213.5	-2.0	781	0.00
	MP	10089	0	221.3	99.3	0.0	456	0.00
	Maharashtra	21375	0	475.9	181.6	-1.8	688	0.00
	Goa	592	0	12.3	12.3	-0.1	39	0.00
	DNHDDPDCL	1214	0	27.6	27.5	0.1	78	0.00
	AMNSIL	755	0	16.6	10.1	0.6	305	0.00
SR	Andhra Pradesh	9885	0	208.0	81.8	-0.6	407	0.00
	Telangana	12480	0	226.8	71.4	-0.2	641	0.00
	Karnataka	8350	0	168.6	43.4	-2.1	559	0.00
	Kerala	3449	0	74.2	31.0	-1.6	204	0.00
	Tamil Nadu	14499	0	290.8	154.9	-0.9	747	0.00
	Puducherry	402	0	8.9	8.5	-0.3	73	0.00
ER	Bihar	6550	350	129.6	120.9	-0.2	530	6.35
	DVC	3218	0	71.6	-31.1	0.8	250	0.00
	Jharkhand	1510	331	32.7	22.4	-0.4	223	2.26
	Odisha	6284	0	131.4	45.4	-0.1	605	0.00
	West Bengal	9326	0	194.9	74.6	0.1	433	0.00
	Sikkim	104	0	1.6	0.7	0.9	71	0.00
NER	Arunachal Pradesh	126	0	2.2	2.3	-0.4	45	0.00
	Assam	2051	0	37.8	31.3	0.0	120	0.00
	Manipur	197	0	2.8	2.8	0.0	44	0.00
	Meghalaya	322	0	5.9	1.8	-0.2	40	0.00
	Mizoram	106	0	1.6	0.9	-0.2	0	0.00
	Nagaland	150	0	2.6	2.3	-0.2	5	0.00
	Tripura	289	0	5.3	5.2	0.1	106	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.2	8.3	-24.6
Day Peak (MW)	1987.0	375.7	-1046.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	330.8	-193.4	9.5	-131.1	-15.8	0.0
Actual(MU)	334.6	-201.7	0.1	-121.9	-18.6	-7.5
O/D/U/D(MU)	3.8	-8.3	-9.4	9.2	-2.8	-7.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3352	11235	6018	1420	275	22300	41
State Sector	6525	15771	7532	2610	197	32635	59
Total	9877	27006	13550	4030	472	54934	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	782	1191	547	579	17	3117	66
Lignite	25	7	54	0	0	86	2
Hydro	364	105	174	141	37	821	17
Nuclear	33	40	42	0	0	114	2
Gas, Naptha & Diesel	18	6	8	0	28	60	1
RES (Wind, Solar, Biomass & Others)	166	144	195	5	1	510	11
Total	1388	1494	1019	724	83	4709	100

Share of RES in total generation (%)	11.94	9.63	19.13	0.68	0.79	10.84
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.54	19.36	40.24	20.13	44.94	30.69

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.085

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: 06-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	701	0.0	11.2	-11.2
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.3	-8.3
3	765 kV	GAYA-VARANASI	2	100	450	0.0	4.2	-4.2
4	765 kV	SASARAM-FATEHPUR	1	0	381	0.0	6.6	-6.6
5	765 kV	GAYA-BALIA	1	0	721	0.0	11.7	-11.7
6	400 kV	PUSAULI-VARANASI	1	0	190	0.0	4.0	-4.0
7	400 kV	PUSAULI -ALLAHABAD	1	0	229	0.0	4.4	-4.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1236	0.0	22.0	-22.0
9	400 kV	PATNA-BALIA	2	0	724	0.0	14.2	-14.2
10	400 kV	NAUBATPUR-BALIA	2	0	778	0.0	15.3	-15.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	702	0.0	10.7	-10.7
12	400 kV	MOTIHARI-GORAKHPUR	2	0	210	0.0	11.8	-11.8
13	400 kV	BIHARSHARIFF-VARANASI	2	11	231	0.0	3.3	-3.3
14	220 kV	SAHUPURI-KARAMNASA	1	0	140	0.0	2.2	-2.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	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	0.5	129.9	-129.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	858	683	11.5	0.0	11.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1700	4	21.2	0.0	21.2
3	765 kV	JHARSUGUDA-DURG	2	2	428	0.0	4.8	-4.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	543	0.0	7.9	-7.9
5	400 kV	RANCHI-SIPAT	2	298	114	2.8	0.0	2.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	136	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	96	17	1.1	0.0	1.1
					ER-WR	36.6	14.8	21.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	439	0.0	9.8	-9.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1251	0.0	26.1	-26.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2833	0.0	40.6	-40.6
4	400 kV	TALCHER-I/C	2	1166	0	18.8	0.0	18.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	76.4	-76.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	387	116	4.3	0.3	4.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	519	102	5.4	0.0	5.4
3	220 kV	ALIPURDUAR-SALAKATI	2	60	57	0.2	0.0	0.2
					ER-NER	10.0	0.3	9.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	9.4	-9.4
					NER-NR	0.0	9.4	-9.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5026	0.0	61.3	-61.3
2	HVDC	VINDHYACHAL B/B	-	182	0	4.8	0.0	4.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1015	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	1524	0.1	26.8	-26.7
5	765 kV	GWALIOR-PHAGI	2	0	1719	0.0	24.9	-24.9
6	765 kV	JABALPUR-ORAI	2	0	1136	0.0	35.1	-35.1
7	765 kV	GWALIOR-ORAI	1	512	0	7.6	0.0	7.6
8	765 kV	SATNA-ORAI	1	0	1016	0.0	21.6	-21.6
9	765 kV	BANASKANTHA-CHITORGARH	2	974	285	8.2	0.8	7.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	3298	0.0	58.8	-58.8
11	400 kV	ZERDA-KANKROLI	1	247	13	2.7	0.0	2.7
12	400 kV	ZERDA -BHINMAL	1	435	30	4.4	0.0	4.4
13	400 kV	VINDHYACHAL -RIHAND	1	964	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUJALPUR	2	124	553	0.2	5.0	-4.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
17	220 kV	MEHGAON-AURAIYA	1	100	0	0.4	0.0	0.3
18	220 kV	MALANPUR-AURAIYA	1	58	10	1.2	0.0	1.2
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	51.6	261.0	-209.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	984	316	7.1	4.8	2.4
2	HVDC	RAIGARH-PUGALUR	2	2864	0	29.1	0.0	29.1
3	765 kV	SOLAPUR-RAICHUR	2	1152	2066	6.5	5.2	1.3
4	765 kV	WARDHA-NIZAMABAD	2	0	3234	0.0	30.9	-30.9
5	400 kV	KOLHAPUR-KUDGI	2	1486	0	25.6	0.0	25.6
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	101	2.0	0.0	2.0
					WR-SR	70.3	40.9	29.4

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)	706	0	643	15.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1099	0	1045	25.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	245	175	181	4.4
	NER	132kV GELEPHU-SALAKATI	15	6	10	0.2
	NER	132kV MOTANGA-RANGIA	46	4	20	0.5
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-48	0	-5	-0.1
	ER	NEPAL IMPORT (FROM BIHAR)	-6	-3	-6	-0.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	430	221	356	8.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-910	-907	-910	-21.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-136	0	-117	-2.8