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: 04th March 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 03.03.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-मार्च -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 03rd March 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:** **04-Mar-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 19:00 hrs; from RLDCs)	51021	58336	47140	19708	2601	178806
Peak Shortage (MW)	250	0	0	555	0	805
Energy Met (MU)	1046	1384	1156	419	46	4051
Hydro Gen (MU)	128	42	89	26	9	294
Wind Gen (MU)	18	92	90	-	-	201
Solar Gen (MU)*	91.29	45.86	118.16	5.20	0.44	261
Energy Shortage (MU)	5.07	0.00	0.00	1.37	0.00	6.44
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51989	65490	56885	20162	2661	190103
Time Of Maximum Demand Met (From NLDC SCADA)	07:30	15:32	09:53	18:46	18:16	10:43

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	0.035	0.00	0.32	3.74	4.06	75.51	20.43

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	6953	0	135.3	40.1	-0.7	119	0.00
	Haryana	6792	0	127.8	72.8	1.2	201	0.42
	Rajasthan	14691	0	270.7	49.8	0.7	421	0.00
	Delhi	3655	0	64.9	51.9	0.4	230	0.00
	UP	17591	0	312.4	97.9	0.4	434	0.00
	Uttarakhand	2069	0	38.6	25.5	1.0	265	0.00
	HP	1862	0	33.0	24.4	0.8	175	0.00
	J&K(UT) & Ladakh(UT)	2874	150	60.4	52.6	1.6	354	4.65
	Chandigarh	202	0	3.2	3.9	-0.7	0	0.00
WR	Chhattisgarh	4730	0	107.1	45.4	0.1	621	0.00
	Gujarat	16952	0	377.9	187.8	1.3	676	0.00
	MP	14061	0	285.2	164.8	-0.6	509	0.00
	Maharashtra	26222	0	557.3	182.2	-0.7	778	0.00
	Goa	632	0	12.4	12.4	-0.4	11	0.00
	DD	355	0	7.9	7.5	0.4	49	0.00
	DNH	865	0	20.1	20.0	0.1	51	0.00
	AMNSIL	769	0	16.0	4.6	0.1	256	0.00
SR	Andhra Pradesh	11098	0	211.5	81.0	-0.8	656	0.00
	Telangana	13249	0	261.2	131.3	0.1	599	0.00
	Karnataka	13882	0	259.4	93.3	-0.3	727	0.00
	Kerala	4032	0	80.4	60.7	-0.6	308	0.00
	Tamil Nadu	15938	0	335.8	187.6	0.4	1186	0.00
	Puducherry	380	0	7.9	8.2	-0.3	50	0.00
ER	Bihar	4594	270	79.9	74.0	-0.6	204	0.50
	DVC	3068	0	71.3	-47.2	-0.9	259	0.00
	Jharkhand	1523	0	29.5	19.6	-0.1	125	0.87
	Odisha	5120	0	106.9	44.0	-0.6	269	0.00
	West Bengal	6690	0	129.6	9.4	-0.7	228	0.00
	Sikkim	122	0	1.9	2.0	0.0	20	0.00
NER	Arunachal Pradesh	139	0	2.3	2.6	-0.4	21	0.00
	Assam	1515	0	25.7	19.1	0.0	90	0.00
	Manipur	225	0	3.2	3.5	-0.3	24	0.00
	Meghalaya	374	0	6.7	5.7	0.1	43	0.00
	Mizoram	102	0	1.7	1.4	-0.2	5	0.00
	Nagaland	149	0	2.4	2.3	0.0	26	0.00
	Tripura	232	0	3.9	2.8	-0.4	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.0	-12.0	-20.0
Day Peak (MW)	-270.0	-587.0	-859.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	106.5	-136.8	171.3	-141.5	2.2	1.7
Actual(MU)	98.4	-117.2	179.8	-163.3	-1.3	-3.6
O/D/U/D(MU)	-8.1	19.7	8.5	-21.8	-3.5	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6530	13780	6662	2581	310	29863	43
State Sector	10134	16944	9228	3080	11	39397	57
Total	16664	30723	15890	5661	321	69260	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	627	1278	542	598	14	3059	74
Lignite	22	15	34	0	0	71	2
Hydro	128	42	89	26	9	294	7
Nuclear	32	33	70	0	0	136	3
Gas, Naptha & Diesel	15	14	10	0	30	69	2
RES (Wind, Solar, Biomass & Others)	139	139	243	5	0	527	13
Total	965	1522	987	630	53	4156	100

Share of RES in total generation (%)	14.44	9.14	24.58	0.83	0.83	12.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.12	14.10	40.66	5.01	17.43	23.02

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.037
Based on State Max Demands	1.072

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: 04-Mar-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	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	848	0.0	13.9	-13.9
4	765 kV	SASARAM-FATEHPUR	1	0	508	0.0	9.4	-9.4
5	765 kV	GAYA-BALIA	1	0	668	0.0	12.3	-12.3
6	400 kV	PUSAULI-VARANASI	1	0	123	0.0	1.7	-1.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	168	0.0	1.9	-1.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	690	0.0	6.7	-6.7
9	400 kV	PATNA-BALIA	4	0	947	0.0	17.4	-17.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	704	0.0	8.6	-8.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	465	0.0	7.1	-7.1
12	400 kV	BIHARSHARIFF-VARANASI	2	0	395	0.0	6.1	-6.1
13	220 kV	SAHUPURI-KARAMNASA	1	0	123	0.0	1.7	-1.7
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.1	0.0	0.1
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	86.8	-86.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	715	149	7.6	0.0	7.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	80	863	0.0	7.6	-7.6
3	765 kV	JHARSUGUDA-DURG	2	0	783	0.0	7.3	-7.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	637	0.0	8.1	-8.1
5	400 kV	RANCHI-SIPAT	2	31	265	0.0	2.3	-2.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	183	0.0	3.0	-3.0
7	220 kV	BUDHIPADAR-KORBA	2	151	2	1.5	0.0	1.5
					ER-WR	9.1	28.3	-19.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	495	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2000	0.0	48.1	-48.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2873	0.0	58.1	-58.1
4	400 kV	TALCHER-I/C	2	0	386	0.0	3.4	-3.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	114.9	-114.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	412	0	4.2	0.0	4.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	553	0	6.8	0.0	6.8
3	220 kV	ALIPURDUAR-SALAKATI	2	92	0	1.1	0.0	1.1
					ER-NER	12.1	0.0	12.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	0	11.6	0.0	11.6
					NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	351	0.0	6.1	-6.1
2	HVDC	VINDHYACHAL B/B	-	183	103	1.7	1.6	0.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	251	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	0	1274	0.0	14.5	-14.5
5	765 kV	GWALIOR-PHAGI	2	0	1569	0.0	19.8	-19.8
6	765 kV	JABALPUR-ORAI	2	0	779	0.0	17.0	-17.0
7	765 kV	GWALIOR-ORAI	1	845	0	13.7	0.0	13.7
8	765 kV	SATNA-ORAI	1	0	944	0.0	16.7	-16.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1683	0	28.1	0.0	28.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	1994	0.0	26.3	-26.3
11	400 kV	ZERDA-KANKROLI	1	368	0	5.8	0.0	5.8
12	400 kV	ZERDA -BHINMAL	1	577	0	7.6	0.0	7.6
13	400 kV	VINDHYACHAL -RIHAND	1	969	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	490	178	5.3	0.5	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	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	114	0	1.1	0.0	1.1
18	220 kV	MALANPUR-AURAIYA	1	71	0	2.0	0.0	2.0
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	87.2	108.6	-21.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	19.4	-19.4
2	HVDC	RAIGARH-PUGALUR	2	0	3512	0.0	52.8	-52.8
3	765 kV	SOLAPUR-RAICHUR	2	896	1416	2.8	14.4	-11.5
4	765 kV	WARDHA-NIZAMABAD	2	0	3049	0.0	52.7	-52.7
5	400 kV	KOLHAPUR-KUDGI	2	1249	0	19.8	0.0	19.8
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	113	2.1	0.0	2.1
					WR-SR	24.7	139.3	-114.6

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)	143	0	33	0.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	0	0	0	0.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0
	NER	132kV GELEPHU-SALAKATI	14	6	12	0.3
	NER	132kV MOTANGA-RANGIA	14	0	1	0.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-69	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-139	0	-84	-2.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-368	-36	-347	-8.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-729	-686	-723	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-130	0	-111	-2.7