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: 07th May 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 06.05.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मई-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 06th May 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:** **07-May-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)	58868	60033	42990	22261	2931	187083
Peak Shortage (MW)	429	0	0	127	0	556
Energy Met (MU)	1333	1487	1071	480	53	4423
Hydro Gen (MU)	216	39	69	52	13	388
Wind Gen (MU)	14	79	57	-	-	150
Solar Gen (MU)*	96.95	51.47	112.21	5.16	0.90	267
Energy Shortage (MU)	14.75	7.73	0.00	1.25	0.10	23.83
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61051	66882	50051	22642	2965	196860
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	14:59	11:53	22:50	18:47	14:59

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	0.047	0.00	0.95	10.98	11.93	72.18	15.89

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	9023	0	196.3	92.7	-1.3	272	0.00
	Haryana	8492	305	180.6	109.8	0.0	186	0.47
	Rajasthan	14343	0	268.9	75.4	1.5	349	12.57
	Delhi	5463	0	113.3	100.5	-1.5	200	0.00
	UP	22271	90	436.6	178.2	-1.0	582	0.39
	Uttarakhand	2171	0	45.9	28.3	0.6	174	0.06
	HP	1637	0	35.1	13.5	0.1	169	0.00
	J&K(UT) & Ladakh(UT)	2370	0	50.8	34.9	-0.9	103	1.26
	Chandigarh	264	0	5.2	5.3	-0.1	18	0.00
WR	Chhattisgarh	4701	0	110.7	58.2	-1.2	334	0.00
	Gujarat	20630	0	440.4	217.6	-1.3	457	0.00
	MP	12371	0	267.7	144.2	0.0	599	7.73
	Maharashtra	26947	0	605.1	200.3	0.0	864	0.00
	Goa	692	0	15.3	14.7	0.1	34	0.00
	DD	352	0	8.0	8.3	-0.3	57	0.00
	DNH	865	0	20.3	20.4	-0.1	62	0.00
	AMNSIL	877	0	19.6	10.5	-0.5	232	0.00
SR	Andhra Pradesh	10468	0	195.1	82.4	0.8	989	0.00
	Telangana	9281	0	190.8	65.4	-0.3	652	0.00
	Karnataka	11082	0	219.3	31.5	-1.2	716	0.00
	Kerala	3994	0	85.0	63.5	0.5	186	0.00
	Tamil Nadu	16906	0	370.4	218.4	0.8	746	0.00
	Puducherry	482	0	10.3	10.3	-0.1	41	0.00
ER	Bihar	5616	0	107.8	100.7	-1.0	275	0.64
	DVC	3509	0	75.9	-51.5	0.1	253	0.00
	Jharkhand	1583	0	30.5	21.9	-0.3	180	0.61
	Odisha	5063	0	103.3	35.9	-2.9	417	0.00
	West Bengal	8152	0	160.4	43.0	-1.4	410	0.00
	Sikkim	108	0	1.7	1.4	0.2	56	0.00
NER	Arunachal Pradesh	131	0	2.2	2.2	0.0	49	0.00
	Assam	1901	0	33.4	27.3	0.0	138	0.10
	Manipur	177	0	2.4	2.4	0.0	17	0.00
	Meghalaya	302	0	5.5	2.6	-0.1	35	0.00
	Mizoram	107	0	1.8	1.8	0.0	15	0.00
	Nagaland	143	0	2.3	2.2	-0.1	18	0.00
	Tripura	278	0	5.1	2.4	-0.2	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	6.1	-7.5	-19.3
Day Peak (MW)	367.0	-439.0	-1010.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	204.3	-153.2	74.6	-124.6	-1.0	0.0
Actual(MU)	207.5	-138.2	70.0	-131.6	-3.3	4.4
O/D/U/D(MU)	3.2	15.0	-4.6	-6.9	-2.3	4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4259	11199	6168	1960	600	24186	51
State Sector	7084	10588	3942	1190	47	22851	49
Total	11343	21787	10110	3150	647	47037	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	731	1428	657	596	17	3429	76
Lignite	21	15	47	0	0	82	2
Hydro	216	39	69	52	13	388	9
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	20	11	8	0	29	67	1
RES (Wind, Solar, Biomass & Others)	138	131	195	5	1	470	10
Total	1150	1657	1021	653	60	4540	100

Share of RES in total generation (%)	12.01	7.93	19.06	0.79	1.51	10.35
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.96	12.25	30.26	8.71	23.59	21.18

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.081

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: 07-May-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	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	88	379	0.0	3.9	-3.9
4	765 kV	SASARAM-FATEHPUR	1	0	336	0.0	6.7	-6.7
5	765 kV	GAYA-BALIA	1	0	527	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	22	41	0.0	0.1	-0.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	108	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	22	595	0.0	8.0	-8.0
9	400 kV	PATNA-BALIA	2	0	445	0.0	8.6	-8.6
10	400 kV	NAUBATPUR-BALIA	2	0	475	0.0	8.9	-8.9
11	400 kV	BIHARSHARIFF-BALIA	2	0	373	0.0	4.7	-4.7
12	400 kV	MOTIHARI-GORAKHPUR	2	0	447	0.0	7.5	-7.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	252	0.0	3.6	-3.6
14	220 kV	SAHUPURI-KARAMNASA	1	0	140	0.0	2.3	-2.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	26	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	70.8	-70.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	0.0	4.1	-4.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	609	290	2.5	0.0	2.5
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.0	-3.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	13.1	-13.1
5	400 kV	RANCHI-SIPAT	2	70	130	0.0	1.7	-1.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	141	0.0	2.4	-2.4
7	220 kV	BUDHIPADAR-KORBA	2	65	23	0.4	0.0	0.4
					ER-WR	2.9	24.1	-21.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	443	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1353	0.0	32.4	-32.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2189	0.0	40.1	-40.1
4	400 kV	TALCHER-I/C	2	601	0	12.8	0.0	12.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	82.4	-82.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	22	226	0.0	2.9	-2.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	11	337	0.0	4.1	-4.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	95	0.0	1.3	-1.3
					ER-NER	0.0	8.2	-8.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2522	0.0	60.8	-60.8
2	HVDC	VINDHYACHAL B/B	-	184	0	4.8	0.0	4.8
3	HVDC	MUNDRA-MOHINDERGARH	2	735	0	13.6	0.0	13.6
4	765 kV	GWALIOR-AGRA	2	0	1520	0.0	27.1	-27.1
5	765 kV	GWALIOR-PHAGI	2	0	1317	0.0	18.1	-18.1
6	765 kV	JABALPUR-ORAI	2	0	668	0.0	23.1	-23.1
7	765 kV	GWALIOR-ORAI	1	566	0	10.9	0.0	10.9
8	765 kV	SATNA-ORAI	1	0	972	0.0	20.6	-20.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1002	0	11.6	0.0	11.6
10	765 kV	VINDHYACHAL-VARANASI	2	0	2779	0.0	54.4	-54.4
11	400 kV	ZERDA-KANKROLI	1	279	0	4.3	0.0	4.3
12	400 kV	ZERDA -BHINMAL	1	384	0	3.0	0.0	3.0
13	400 kV	VINDHYACHAL -RIHAND	1	954	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	358	237	1.5	1.4	0.1
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	105	11	0.7	0.0	0.7
18	220 kV	MALANPUR-AURAIYA	1	65	22	1.4	0.0	1.4
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	73.6	205.6	-131.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	14.9	-14.9
2	HVDC	RAIGARH-PUGALUR	2	0	1502	0.0	20.8	-20.8
3	765 kV	SOLAPUR-RAICHUR	2	1543	882	7.3	3.2	4.1
4	765 kV	WARDHA-NIZAMABAD	2	69	1755	0.0	24.0	-24.0
5	400 kV	KOLHAPUR-KUDGI	2	1549	0	25.5	0.0	25.5
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	128	2.6	0.0	2.6
					WR-SR	35.4	62.9	-27.5

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)	210	0	118	2.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	167	0	143	3.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	52	0	15	0.4
	NER	132kV GELEPHU-SALAKATI	-3	0	-2	0.0
	NER	132kV MOTANGA-RANGIA	-19	0	-18	-0.4
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-60	-1.5
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-363	-170	-250	-6.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-692	-761	-18.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-86	0	-43	-1.0