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: 5th June 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 04.06.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-जून-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 04th June 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:** **05-Jun-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)	60716	59554	44617	22659	2876	190422
Peak Shortage (MW)	2129	0	574	698	17	3418
Energy Met (MU)	1500	1449	1078	544	55	4627
Hydro Gen (MU)	251	39	89	85	29	493
Wind Gen (MU)	41	163	114	-	-	318
Solar Gen (MU)*	113.92	51.07	113.36	4.86	0.53	284
Energy Shortage (MU)	32.26	0.00	4.64	6.98	0.05	43.93
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67059	64304	49419	25268	2896	203442
Time Of Maximum Demand Met (From NLDC SCADA)	12:06	15:37	15:53	00:00	19:21	14:47

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	0.103	1.18	5.39	20.66	27.23	69.16	3.61

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	9866	0	214.5	99.9	-1.7	91	0.00
	Haryana	9518	0	204.3	137.8	-0.1	119	0.20
	Rajasthan	15306	0	303.6	85.7	2.2	436	15.33
	Delhi	6543	0	129.4	118.7	0.4	349	0.00
	UP	23664	1120	506.5	247.7	-1.0	537	14.31
	Uttarakhand	2295	0	50.5	29.6	1.0	152	0.52
	HP	1634	0	35.0	10.0	1.5	349	0.00
	J&K(UT) & Ladakh(UT)	2435	0	49.4	29.0	2.9	338	1.90
	Chandigarh	331	0	6.7	6.7	0.0	34	0.00
WR	Chhattisgarh	4484	0	108.4	54.2	1.3	378	0.00
	Gujarat	20605	0	440.3	193.2	-1.2	635	0.00
	MP	11480	0	263.9	135.7	0.0	477	0.00
	Maharashtra	25736	0	579.5	173.6	-3.1	642	0.00
	Goa	657	0	14.5	13.2	0.8	103	0.00
	DNHDDPDCL	1208	0	28.0	27.6	0.4	87	0.00
	AMNSIL	717	0	14.8	9.7	-0.4	244	0.00
SR	Andhra Pradesh	11389	0	224.2	97.9	4.4	1256	4.64
	Telangana	9228	0	191.4	68.2	1.1	516	0.00
	Karnataka	10431	0	205.8	34.1	-1.2	644	0.00
	Kerala	3857	0	80.1	50.4	-0.5	319	0.00
	Tamil Nadu	16670	0	366.8	181.5	5.6	929	0.00
	Puducherry	439	0	9.5	9.5	0.0	38	0.00
ER	Bihar	6367	60	126.6	119.7	-1.0	410	2.84
	DVC	3579	0	76.5	-39.1	-0.9	307	0.00
	Jharkhand	1460	0	29.8	23.6	1.0	280	4.13
	Odisha	6127	0	123.0	62.2	1.0	747	0.00
	West Bengal	9151	0	186.8	57.7	0.6	444	0.00
	Sikkim	96	0	1.3	1.5	-0.2	22	0.00
NER	Arunachal Pradesh	145	0	2.6	2.7	-0.2	56	0.00
	Assam	1932	0	36.2	29.5	0.1	82	0.00
	Manipur	191	0	2.6	2.5	0.1	40	0.05
	Meghalaya	316	0	5.6	0.0	0.0	59	0.00
	Mizoram	103	0	2.0	1.8	-0.2	7	0.00
	Nagaland	140	0	2.5	2.2	-0.1	17	0.00
	Tripura	267	0	3.8	3.3	-0.3	65	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.6	1.2	-24.8
Day Peak (MW)	896.0	94.6	-1053.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	291.3	-209.7	18.2	-99.2	-0.7	0.0
Actual(MU)	277.5	-211.9	28.1	-94.1	-6.9	-7.3
O/D/U/D(MU)	-13.8	-2.2	10.0	5.1	-6.3	-7.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3483	13326	6098	2770	638	26315	47
State Sector	8910	10529	7651	2880	118	30087	53
Total	12393	23854	13749	5650	757	56402	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	761	1381	583	590	17	3332	70
Lignite	21	16	69	0	0	106	2
Hydro	251	39	89	85	29	493	10
Nuclear	21	33	63	0	0	116	2
Gas, Naptha & Diesel	23	7	8	0	22	61	1
RES (Wind, Solar, Biomass & Others)	168	214	280	5	1	667	14
Total	1245	1690	1093	680	68	4775	100

Share of RES in total generation (%)	13.46	12.66	25.65	0.71	0.78	13.97
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.30	16.88	39.59	13.23	42.69	26.73

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.073

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: 05-Jun-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	351	0.0	8.4	-8.4
2	HVDC	PUSAULI B/B	-	2	0	0.0	1.1	-1.1
3	765 kV	GAYA-VARANASI	2	154	271	0.0	1.4	-1.4
4	765 kV	SASARAM-FATEHPUR	1	0	407	0.0	7.9	-7.9
5	765 kV	GAYA-BALIA	1	0	713	0.0	12.4	-12.4
6	400 kV	PUSAULI-VARANASI	1	56	6	0.7	0.0	0.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	65	0.0	0.6	-0.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	696	0.0	11.9	-11.9
9	400 kV	PATNA-BALIA	2	0	591	0.0	12.9	-12.9
10	400 kV	NAUBATPUR-BALIA	2	0	635	0.0	13.3	-13.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	543	0.0	8.3	-8.3
12	400 kV	MOTIHARI-GORAKHPUR	2	0	424	0.0	7.9	-7.9
13	400 kV	BIHARSHARIFF-VARANASI	2	0	240	0.0	2.9	-2.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	176	0.0	3.3	-3.3
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	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	1.0	92.4	-91.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	38.4	0.0	38.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1163	28	12.3	0.0	12.3
3	765 kV	JHARSUGUDA-DURG	2	0	314	4.8	0.0	4.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	2.4	-2.4
5	400 kV	RANCHI-SIPAT	2	253	9	3.6	0.0	3.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	110	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	133	0	1.9	0.0	1.9
					ER-WR	61.0	3.9	57.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	426	0.0	9.5	-9.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	39.2	-39.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2927	0.0	51.8	-51.8
4	400 kV	TALCHER-I/C	2	423	141	5.9	0.0	5.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	100.5	-100.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	108	179	0.1	2.0	-1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	143	222	0.0	1.6	-1.6
3	220 kV	ALIPURDUAR-SALAKATI	2	17	69	0.0	0.8	-0.8
					ER-NER	0.1	4.4	-4.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	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	3505	0.0	60.3	-60.3
2	HVDC	VINDHYACHAL B/B	-	445	0	11.8	0.0	11.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	814	0.0	18.7	-18.7
4	765 kV	GWALIOR-AGRA	2	0	2104	0.0	29.8	-29.8
5	765 kV	GWALIOR-PHAGI	2	0	1290	0.0	18.0	-18.0
6	765 kV	JABALPUR-ORAI	2	0	970	0.0	28.5	-28.5
7	765 kV	GWALIOR-ORAI	1	571	0	9.7	0.0	9.7
8	765 kV	SATNA-ORAI	1	0	1039	0.0	21.5	-21.5
9	765 kV	BANASKANTHA-CHITORGARH	2	813	545	4.4	0.0	4.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	3482	0.0	60.7	-60.7
11	400 kV	ZERDA-KANKROLI	1	300	0	3.7	0.0	3.7
12	400 kV	ZERDA -BHINMAL	1	563	10	7.2	0.0	7.2
13	400 kV	VINDHYACHAL -RIHAND	1	966	0	22.3	0.0	22.3
14	400 kV	RAPP-SHUJALPUR	2	362	334	2.2	2.7	-0.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.6	-2.6
17	220 kV	MEHGAON-AURAIYA	1	109	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	72	3	1.6	0.0	1.6
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	63.7	242.7	-179.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	1543	0	27.2	0.0	27.2
3	765 kV	SOLAPUR-RAICHUR	2	777	2044	2.7	13.3	-10.6
4	765 kV	WARDHA-NIZAMABAD	2	0	2926	0.0	45.2	-45.2
5	400 kV	KOLHAPUR-KUDGI	2	1467	0	27.7	0.0	27.7
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	1	107	1.3	0.0	1.3
					WR-SR	82.9	58.5	24.4

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)	387	274	291	7.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	374	226	238	5.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	169	83	96	2.3
	NER	132kV GELEPHU-SALAKATI	13	5	11	0.3
	NER	132kV MOTANGA-RANGIA	60	38	47	1.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-52	-1.3
	ER	NEPAL IMPORT (FROM BIHAR)	-16	0	-4	-0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	186	55	107	2.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-923	-913	-921	-22.1
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-130	0	-113	-2.7