



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 6th 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., डोंगतेह, 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 05.06.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-जून-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 June 2022, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 06-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)	60076	56419	38685	22152	2824	180156
Peak Shortage (MW)	587	0	0	476	0	1063
Energy Met (MU)	1472	1410	1018	535	51	4486
Hydro Gen (MU)	267	38	69	80	29	483
Wind Gen (MU)	39	146	142	-	-	326
Solar Gen (MU)*	112.35	51.87	135.74	5.35	0.43	306
Energy Shortage (MU)	27.75	0.00	0.00	5.34	0.32	33.41
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67705	61505	47398	23754	2879	194681
Time Of Maximum Demand Met (From NLDC SCADA)	22:15	14:51	14:58	23:49	19:23	14:51

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	0.048	0.00	0.89	12.66	13.55	74.56	11.89

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	9469	0	208.7	94.8	-0.7	223	0.00
	Haryana	8597	0	191.3	121.1	1.1	258	0.00
	Rajasthan	14834	0	300.0	108.4	4.5	472	14.67
	Delhi	6576	0	125.8	114.4	-0.8	242	0.00
	UP	24760	0	509.6	251.3	0.8	670	10.34
	Uttarakhand	2180	0	47.0	25.6	0.9	171	0.81
	HP	1507	0	39.6	6.2	1.2	466	0.00
	J&K(UT) & Ladakh(UT)	1939	0	44.4	24.5	0.9	167	1.93
WR	Chandigarh	310	0	6.0	6.5	-0.5	25	0.00
	Chhattisgarh	4501	0	106.0	54.3	0.0	223	0.00
	Gujarat	19132	0	424.6	189.5	-3.5	1002	0.00
	MP	11479	0	259.0	135.3	0.0	338	0.00
	Maharashtra	24991	0	564.5	168.9	-3.8	659	0.00
	Goa	633	0	14.0	12.9	0.6	64	0.00
	DNHDDPDCL	1187	0	27.1	26.9	0.2	79	0.00
	AMNSIL	644	0	14.4	9.8	-0.8	207	0.00
SR	Andhra Pradesh	11371	0	225.0	92.1	-0.4	668	0.00
	Telangana	9086	0	180.3	59.9	0.8	665	0.00
	Karnataka	9724	0	193.0	20.7	-1.9	552	0.00
	Kerala	3632	0	74.5	48.3	0.0	217	0.00
	Tamil Nadu	15430	0	336.2	166.1	-2.5	343	0.00
	Puducherry	402	0	9.0	9.1	-0.2	53	0.00
ER	Bihar	6153	51	123.3	118.9	-1.6	400	2.22
	DVC	3439	0	76.2	-35.9	-0.5	264	0.00
	Jharkhand	1468	0	31.3	24.4	0.3	338	3.12
	Odisha	5691	0	126.0	69.2	0.5	538	0.00
	West Bengal	8804	0	177.2	53.3	0.0	428	0.00
	Sikkim	68	0	1.1	1.2	-0.1	34	0.00
NER	Arunachal Pradesh	135	0	2.4	2.7	-0.6	11	0.00
	Assam	1865	0	32.7	25.9	0.2	99	0.00
	Manipur	176	0	2.5	2.5	0.0	18	0.00
	Meghalaya	300	0	5.2	1.0	0.3	35	0.32
	Mizoram	94	0	1.8	1.7	0.0	7	0.00
	Nagaland	127	0	2.5	2.4	-0.1	10	0.00
	Tripura	255	0	3.9	3.8	-0.2	42	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	15.7	3.2	-25.5
Day Peak (MW)	892.0	166.6	-1093.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.8	-193.1	-4.3	-80.7	-5.7	0.0
Actual(MU)	285.5	-188.7	-14.5	-74.4	-11.2	-3.3
O/D/U/D(MU)	1.8	4.4	-10.2	6.4	-5.6	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3417	13266	6598	2270	668	26219	46
State Sector	9825	10599	7261	2990	118	30792	54
Total	13242	23864	13859	5260	787	57011	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	724	1351	574	565	16	3230	69
Lignite	17	14	58	0	0	89	2
Hvdro	267	38	69	80	29	483	10
Nuclear	20	25	63	0	0	108	2
Gas, Naptha & Diesel	21	3	8	0	23	56	1
RES (Wind, Solar, Biomass & Others)	164	198	326	5	0	694	15
Total	1214	1628	1100	650	68	4660	100

Share of RES in total generation (%)	13.53	12.15	29.67	0.82	0.63	14.89
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.22	16.01	41.68	13.07	43.23	27.59

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.044
Based on State Max Demands	1.084

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-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	8.6	-8.6
2	HVDC	PUSAULI B/B	-	2	49	0.0	1.2	-1.2
3	765 kV	GAYA-VARANASI	2	275	313	0.0	1.3	-1.3
4	765 kV	SASARAM-FATEHPUR	1	0	415	0.0	6.0	-6.0
5	765 kV	GAYA-BALIA	1	0	742	0.0	13.3	-13.3
6	400 kV	PUSAULI-VARANASI	1	26	10	0.3	0.0	0.3
7	400 kV	PUSAULI-ALLAHABAD	1	0	87	0.0	1.5	-1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	850	0.0	14.8	-14.8
9	400 kV	PATNA-BALIA	2	0	520	0.0	10.5	-10.5
10	400 kV	NAUBATPUR-BALIA	2	0	549	0.0	11.1	-11.1
11	400 kV	BIHARSHARIFF-BALIA	2	0	653	0.0	9.0	-9.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	392	0.0	7.1	-7.1
13	400 kV	BIHARSHARIFF-VARANASI	2	69	271	0.0	3.3	-3.3
14	220 kV	SAHIBULKARAMANASA	1	0	161	0.0	3.0	-3.0
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						0.7	90.7	-90.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	38.1	0.0	38.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1037	0	12.3	0.0	12.3
3	765 kV	JHARSUGUDA-DURG	2	0	314	9.4	0.0	9.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	1.9	-1.9
5	400 kV	RANCHI-SIPAT	2	263	0	3.4	0.0	3.4
6	220 kV	BUDHIPADAR-RAIGARH	1	58	79	0.0	0.9	-0.9
7	220 kV	BUDHIPADAR-KORBA	2	186	0	2.0	0.0	2.0
ER-WR						65.2	2.8	62.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	426	0.0	9.4	-9.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1843	0.0	39.0	-39.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2494	0.0	43.8	-43.8
4	400 kV	TALCHER-J/C	2	574	0	6.0	0.0	6.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						0.0	92.3	-92.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	172	160	0.7	1.0	-0.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	243	163	0.9	0.0	0.9
3	220 kV	ALIPURDUAR-SALAKATI	2	36	68	0.0	0.3	-0.3
ER-NER						1.7	1.2	0.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	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	2003	0.0	35.3	-35.3
2	HVDC	VINDHYACHAL B/B	-	446	0	11.4	0.0	11.4
3	HVDC	MUNDRU-MOHINDERGARH	2	0	813	0.0	19.4	-19.4
4	765 kV	GWALIOR-AGRA	2	0	2166	0.0	34.5	-34.5
5	765 kV	GWALIOR-PHAGI	2	0	1595	0.0	23.8	-23.8
6	765 kV	JABALPUR-ORAI	2	0	1071	0.0	34.3	-34.3
7	765 kV	GWALIOR-ORAI	1	635	0	11.0	0.0	11.0
8	765 kV	SATNA-ORAI	1	0	1077	0.0	22.3	-22.3
9	765 kV	BANASKANTHA-CHITORGARH	2	629	511	0.7	0.0	0.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	3635	0.0	67.7	-67.7
11	400 kV	ZERDA-KANKROLI	1	450	47	3.9	0.0	3.9
12	400 kV	ZERDA-BHINMAL	1	737	123	6.7	0.0	6.7
13	400 kV	VINDHYACHAL-RIHAND	1	977	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUALPUR	2	285	561	0.0	3.5	-3.5
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	91	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	51	0	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						58.0	243.4	-185.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0
2	HVDC	RAIGARH-PUGALUR	2	2398	0	37.4	0.0	37.4
3	765 kV	SOLAPUR-RAICHUR	2	1042	1206	2.5	0.0	2.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2145	0.0	36.5	-36.5
5	400 kV	KOLHAPUR-KUDGI	2	1617	0	29.8	0.0	29.8
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	110	2.1	0.0	2.1
WR-SR						95.8	36.5	59.3

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 MANGDECHHU HEP 4*180MW)	388	0	322	7.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	341	256	280	6.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	154	91	103	2.5
	NER	132kV GELEPHU-SALAKATI	13	4	9	0.2
	NER	132kV MOTANGA-RANGIA	57	29	43	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-58	-1.4
	ER	NEPAL IMPORT (FROM BIHAR)	-33	0	-9	-0.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	276	164	199	4.8
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-929	-923	-927	-22.2
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-138	-3.3