



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: 26th April 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 25.04.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अप्रैल-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 25th April 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: 26-Apr-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)	54242	60607	45717	23271	2748	186585
Peak Shortage (MW)	3131	247	0	1831	40	5249
Energy Met (MU)	1238	1503	1135	544	51	4471
Hydro Gen (MU)	175	33	93	64	8	373
Wind Gen (MU)	16	111	25	-	-	264
Solar Gen (MU)*	95.16	52.76	110.19	5.83	0.41	153
Energy Shortage (MU)	63.52	1.09	1.05	15.90	0.48	82.04
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55428	67415	55441	24051	2873	199341
Time Of Maximum Demand Met (From NLDC SCADA)	10:28	15:35	11:55	00:10	18:34	15:13

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	0.155	5.80	4.69	13.38	23.86	67.40	8.74

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	8186	0	173.1	59.8	-1.7	85	2.10
	Haryana	7739	13	156.5	89.6	-3.8	298	9.30
	Rajasthan	12987	903	257.0	67.8	2.4	324	31.97
	Delhi	5525	0	111.3	93.0	-3.3	251	0.00
	UP	18556	0	418.1	170.4	-0.5	509	12.99
	Uttarakhand	2194	0	44.7	28.7	2.0	226	0.88
	HP	1553	0	31.7	14.7	0.1	470	0.00
	J&K(UT) & Ladakh(UT)	2105	0	40.9	26.4	1.3	164	6.28
	Chandigarh	254	0	5.1	5.2	-0.1	35	0.00
	WR	Chhattisgarh	4850	0	116.9	55.1	-0.2	332
Gujarat		20222	0	440.7	212.5	-1.5	579	0.00
MP		12386	0	278.5	141.9	-1.0	589	0.00
Maharashtra		27625	0	607.3	196.3	-0.9	726	0.00
Goa		698	0	14.4	14.3	-0.3	40	0.00
DD		341	0	7.6	7.6	0.0	45	0.00
DNH		873	0	20.3	19.9	0.4	63	0.00
AMNSIL		787	0	17.5	11.4	-0.6	222	0.00
Andhra Pradesh		11338	0	210.9	89.0	0.5	1027	1.05
Telangana		10846	0	218.6	89.3	-1.2	590	0.00
SR	Karnataka	13056	0	246.2	47.3	0.3	640	0.00
	Kerala	4282	0	86.4	55.4	0.1	240	0.00
	Tamil Nadu	16727	0	363.4	226.6	1.6	525	0.00
	Puducherry	449	0	9.6	9.5	0.1	56	0.00
	ER	Bihar	5512	0	115.7	104.1	0.5	535
DVC		3520	0	77.4	-49.6	-0.3	271	0.00
Jharkhand		1422	0	29.6	19.1	0.9	203	6.97
Odisha		5410	0	115.2	43.6	2.6	662	1.40
West Bengal		9813	0	204.6	79.7	1.5	382	0.00
Sikkim		109	0	1.8	1.5	0.2	34	0.00
NER	Arunachal Pradesh	133	0	2.3	2.3	-0.1	43	0.00
	Assam	1686	0	30.8	23.2	0.4	187	0.26
	Manipur	197	0	2.5	2.6	-0.1	42	0.00
	Meghalaya	339	0	5.7	3.3	-0.1	32	0.12
	Mizoram	117	0	1.8	1.9	-0.1	29	0.00
	Nagaland	152	0	2.2	2.3	-0.1	12	0.10
	Tripura	311	0	5.6	4.9	0.3	70	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	8.2	-9.3	-26.1
Day Peak (MW)	485.0	-618.0	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	151.0	-176.9	120.8	-95.8	0.8	-0.1
Actual(MU)	146.1	-172.1	116.4	-87.6	0.1	-4.2
O/D/U/D(MU)	-4.9	-2.2	-4.4	8.2	-0.8	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4434	12559	6628	2580	935	27136	51
State Sector	10008	11148	3737	1450	47	26390	49
Total	14442	23707	10365	4030	982	53526	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	746	1453	665	606	17	3487	76
Lignite	0	14	44	0	0	68	1
Hydro	174	33	93	64	8	373	8
Nuclear	22	33	46	0	0	100	2
Gas, Naptha & Diesel	25	15	16	0	31	87	2
RES (Wind, Solar, Biomass & Others)	138	165	166	6	0	475	10
Total	1115	1712	1031	675	57	4590	100

Share of RES in total generation (%)	12.41	9.62	16.08	0.87	0.72	10.35
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.00	13.46	29.60	10.28	15.47	20.66

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.065

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: 26-Apr-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	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	79	439	0.0	4.7	-4.7	
4	765 kV	SASARAM-FATEHPUR	1	0	429	0.0	8.9	-8.9	
5	765 kV	GAYA-BALIA	1	0	365	0.0	7.1	-7.1	
6	400 kV	PUSAULI-VARANASI	1	0	85	0.0	1.2	-1.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	143	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	851	0.0	12.2	-12.2	
9	400 kV	PATNA-BALIA	2	0	466	0.0	7.8	-7.8	
10	400 kV	NAUBATPUR-BALIA	2	0	412	0.0	9.1	-9.1	
11	400 kV	BIHARSHARIF-BALIA	2	12	339	0.0	3.2	-3.2	
12	400 kV	MOTHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0	
13	400 kV	BIHARSHARIF-VARANASI	2	0	272	0.0	3.2	-3.2	
14	220 kV	SAHUPURI-KARAMNANA	1	0	159	0.0	2.1	-2.1	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	61.3	-61.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	9.5	0.0	9.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	696	64	7.7	0.0	7.7	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	1.2	-1.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	5.1	-5.1	
5	400 kV	RANCHI-SIPAT	2	99	85	0.0	2.6	-2.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	149	0.0	2.1	-2.1	
7	220 kV	BUDHIPADAR-KORBA	2	88	7	1.0	0.0	1.0	
						ER-WR	18.3	11.0	7.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	353	0.0	7.5	-7.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1590	0.0	38.5	-38.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2455	0.0	44.4	-44.4	
4	400 kV	TALCHER-I/C	2	327	0	6.7	0.0	6.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	90.4	-90.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	339	0	4.1	0.0	4.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	470	0	6.6	0.0	6.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	88	6	1.0	0.0	1.0	
						ER-NER	11.7	0.0	11.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	461	0	11.4	0.0	11.4	
						NER-NR	11.4	0.0	11.4
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	507	0.0	6.8	-6.8	
2	HVDC	VINDHYACHAL B/B	-	272	0	7.3	0.0	7.3	
3	HVDC	MUNDRA-MOHINDERGARH	2	877	0	11.6	0.0	11.6	
4	765 kV	GWALIOR-AGRA	2	0	1520	0.0	29.5	-29.5	
5	765 kV	GWALIOR-PHAGI	2	0	1244	0.0	21.0	-21.0	
6	765 kV	JABALPUR-ORAI	2	0	692	0.0	26.5	-26.5	
7	765 kV	GWALIOR-ORAI	1	695	0	12.0	0.0	12.0	
8	765 kV	SATNA-ORAI	1	0	969	0.0	21.0	-21.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	624	152	4.8	0.0	4.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2353	0.0	46.2	-46.2	
11	400 kV	ZERDA-KANKROLI	1	227	0	3.0	0.0	3.0	
12	400 kV	ZERDA-BHINMAL	1	342	69	2.3	0.0	2.3	
13	400 kV	VINDHYACHAL-RIHAND	1	486	0	11.0	0.0	11.0	
14	400 kV	RAPP-SHUJALPUR	2	290	264	1.2	2.2	-0.9	
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	131	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	79	0	1.7	0.0	1.7	
19	132 kV	GWALIOR-SAWAL 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	55.6	153.2	-97.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	12.3	-12.3	
2	HVDC	RAIGARH-PUGALUR	2	0	2007	0.0	46.5	-46.5	
3	765 kV	SOLAPUR-RAICHUR	2	209	1458	0.1	7.6	-7.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	2170	0.0	35.3	-35.3	
5	400 kV	KOLHAPUR-KUDGI	2	1274	0	25.2	0.0	25.2	
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	123	2.4	0.0	2.4	
						WR-SR	27.8	101.7	-73.9

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)	235	0	159	3.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*705MW))	199	0	178	4.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	39	0	15	0.4
	NER	132kV GELEPHU-SALAKATI	-12	0	-5	-0.1
	NER	132kV MOTANGA-RANGIA	33	0	17	0.4
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-68	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-304	-32	-155	-3.7
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-235	-95	-163	-3.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-946	-937	-937	-22.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-164	0	-152	-3.6