



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: 18th 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., 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 17.05.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-मई-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 17th 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: 18-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)	62950	60564	41562	23423	2592	191091
Peak Shortage (MW)	880	0	0	630	0	1510
Energy Met (MU)	1483	1480	974	527	44	4508
Hydro Gen (MU)	289	52	77	89	33	541
Wind Gen (MU)	29	148	57	-	-	234
Solar Gen (MU)*	104.12	50.02	90.00	5.56	0.24	250
Energy Shortage (MU)	10.55	0.00	0.00	4.71	0.00	15.26
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67202	66001	45302	23847	2627	201640
Time Of Maximum Demand Met (From NLDC SCADA)	13:58	15:44	12:39	23:30	18:53	14:45

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	0.041	0.00	0.95	9.79	10.74	80.60	8.66

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	9821	0	221.8	127.8	-1.3	118	0.00
	Haryana	9509	0	203.8	134.8	0.4	242	1.57
	Rajasthan	15218	0	304.3	85.0	1.9	329	2.38
	Delhi	6679	0	132.8	119.8	-1.9	268	0.00
	UP	23327	680	489.2	218.3	-0.1	639	6.23
	Uttarakhand	2100	0	41.9	18.7	1.0	163	0.00
	HP	1559	0	32.9	5.1	0.8	96	0.00
	J&K(UT) & Ladakh(UT)	2655	0	49.7	27.4	1.0	329	0.37
	Chandigarh	350	0	6.8	7.0	-0.2	24	0.00
	Chhattisgarh	4486	0	106.2	56.0	-1.4	169	0.00
WR	Gujarat	20117	0	430.3	206.7	-0.7	633	0.00
	MP	12154	0	276.9	141.1	0.0	323	0.00
	Maharashtra	27105	0	604.6	199.1	-0.7	877	0.00
	Goa	653	0	14.5	14.3	-0.3	24	0.00
	DD	324	0	7.3	7.3	0.0	8	0.00
	DNH	868	0	20.0	20.0	0.0	47	0.00
	AMNSIL	910	0	20.8	10.7	-0.1	256	0.00
SR	Andhra Pradesh	9308	0	195.3	70.3	0.9	824	0.00
	Telangana	9102	0	189.4	75.0	0.7	563	0.00
	Karnataka	9761	0	188.7	48.8	-1.1	638	0.00
	Kerala	3585	0	72.2	48.8	-0.2	240	0.00
	Tamil Nadu	14457	0	319.6	185.5	2.1	875	0.00
	Puducherry	423	0	9.1	9.3	-0.3	25	0.00
	Bihar	6278	289	117.2	106.7	-0.9	395	1.21
ER	DVC	3489	0	77.7	-40.1	0.5	222	0.00
	Jharkhand	1490	0	32.0	23.0	0.4	208	3.50
	Odisha	5834	0	120.9	45.7	-2.3	420	0.00
	West Bengal	8539	0	177.4	47.8	1.1	396	0.00
	Sikkim	104	0	1.6	1.6	0.0	35	0.00
NER	Arunachal Pradesh	135	0	2.4	2.6	-0.3	18	0.00
	Assam	1550	0	24.4	17.7	0.0	71	0.00
	Manipur	176	0	2.5	2.4	0.1	18	0.00
	Meghalaya	333	0	5.8	2.0	-0.3	69	0.00
	Mizoram	100	0	1.8	1.9	-0.2	32	0.00
	Nagaland	130	0	2.4	1.9	0.0	28	0.00
	Tripura	278	0	4.8	4.0	-0.1	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	14.3	-3.4	-25.4
Day Peak (MW)	945.0	-189.8	-1071.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.3	-159.9	44.6	-122.8	-24.3	-0.1
Actual(MU)	254.9	-151.6	45.7	-124.4	-28.5	-4.0
O/D/U/D(MU)	-7.4	8.3	1.0	-1.6	-4.3	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4291	9699	6528	2110	425	23053	44
State Sector	7910	13044	5835	2400	47	29235	56
Total	12201	22742	12363	4510	472	52288	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	735	1363	582	595	16	3291	71
Lignite	25	13	60	0	0	98	2
Hydro	289	52	77	89	33	541	12
Nuclear	25	33	46	0	0	103	2
Gas, Naptha & Diesel	25	6	9	0	29	69	1
RES (Wind, Solar, Biomass & Others)	153	199	187	6	0	545	12
Total	1253	1666	961	690	78	4647	100
Share of RES in total generation (%)	12.20	11.92	19.49	0.80	0.31	11.72	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.27	17.03	32.29	13.78	42.62	25.59	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.017
Based on State Max Demands	1.056

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: 18-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	551	0.0	11.7	-11.7	
2	HVDC	PUSAULI-B/B	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	269	435	0.0	1.3	-1.3	
4	765 kV	SASARAM-FATEHPUR	1	0	349	0.0	5.5	-5.5	
5	765 kV	GAYA-BALIA	1	0	649	0.0	12.0	-12.0	
6	400 kV	PUSAULI-VARANASI	1	33	83	0.0	0.5	-0.5	
7	400 kV	PUSAULI-ALLAHABAD	1	12	165	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1172	0.0	17.4	-17.4	
9	400 kV	PATNA-BALIA	2	0	694	0.0	11.8	-11.8	
10	400 kV	NAUBATPUR-BALIA	2	0	738	0.0	13.1	-13.1	
11	400 kV	BIHARSHARIFF-BALIA	2	0	970	0.0	12.1	-12.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	612	0.0	9.1	-9.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	315	0.0	3.2	-3.2	
14	220 kV	SINHPUR-KARAMUNSA	1	0	168	0.0	2.8	-2.8	
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	0.4	101.8	-101.4
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	16.1	0.0	16.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	798	292	5.9	0.0	5.9	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.3	0.0	0.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	8.1	-8.1	
5	400 kV	RANCHI-SIPAT	2	141	126	0.0	0.4	-0.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	114	0.0	1.8	-1.8	
7	220 kV	BUDHIPADAR-KORBA	2	83	25	0.6	0.0	0.6	
						ER-WR	22.9	10.2	12.7
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	339	0.0	7.4	-7.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1636	0.0	38.3	-38.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2596	0.0	49.4	-49.4	
4	400 kV	TALCHER-I/C	2	423	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	95.1	-95.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	452	34	4.6	0.0	4.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	657	0	9.1	0.0	9.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	112	11	1.3	0.0	1.3	
						ER-NER	15.0	0.0	15.0
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	603	0.0	14.0	-14.0	
						NER-NR	0.0	14.0	-14.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPACKURUKSHETRA	2	0	1801	0.0	42.7	-42.7	
2	HVDC	VINDHYACHAL-B/B	-	447	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	310	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	1727	0.0	27.8	-27.8	
5	765 kV	GWALIOR-PHAGI	2	0	1316	0.0	17.4	-17.4	
6	765 kV	JABALPUR-ORAI	2	0	950	0.0	27.8	-27.8	
7	765 kV	GWALIOR-ORAI	1	748	0	11.8	0.0	11.8	
8	765 kV	SATNA-ORAI	1	0	1075	0.0	21.7	-21.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	865	231	6.3	0.6	5.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3367	0.0	60.7	-60.7	
11	400 kV	ZERDA-KANKROLI	1	288	0	4.2	0.0	4.2	
12	400 kV	ZERDA-BHINMAL	1	524	0	7.3	0.0	7.3	
13	400 kV	VINDHYACHAL-RIHAND	1	979	0	22.0	2.4	22.0	
14	400 kV	RAPP-SHULALPUR	2	340	398	1.8	0.0	-0.7	
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	103	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	66	0	1.8	0.0	1.8	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	68.3	208.5	-140.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	297	0	7.2	0.0	7.2	
2	HVDC	RAIGARH-PUGALUR	2	1453	0	35.0	0.0	35.0	
3	765 kV	SOIAPUR-RAICHUR	2	0	1733	0.0	20.3	-20.3	
4	765 kV	WARDHA-NIZAMABAD	2	0	2454	0.0	45.5	-45.5	
5	400 kV	KOLHAPUR-KUDCI	2	1368	0	22.6	0.0	22.6	
6	220 kV	KOLHAPUR-CHIKODI	1	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	117	2.4	0.0	2.4	
						WR-SR	67.2	65.8	1.4
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	517	0	351	8.4			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	296	0	227	5.4			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	105	0	48	1.2			
	NER	132KV GELEPHU-SALAKATI	8	0	2	0.0			
NEPAL	NER	132KV MOTANGA-RANGIA	40	15	27	0.7			
	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-71	0	-45	-1.1			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-87	127	-20	-0.5			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-939	-928	-932	-22.4			
BANGLADESH	NER	132KV COMILLA-SURAJMANI NAGAR 1&2	-132	0	-125	-3.0			