



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: 25th Oct 2020

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 24.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-अक्टूबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 24th October 2020, 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: 25-Oct-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	46852	48558	37009	18904	2172	153495
Peak Shortage (MW)	90	0	0	0	6	96
Energy Met (MU)	997	1146	811	413	38	3405
Hydro Gen (MU)	143	38	128	84	24	417
Wind Gen (MU)	3	20	63	-	-	86
Solar Gen (MU)*	37.35	30.34	96.16	4.43	0.03	168
Energy Shortage (MU)	0.1	0.1	0.0	0.0	0.1	0.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47617	49566	37468	19402	2282	153976
Time Of Maximum Demand Met (From NLDC SCADA)	18:54	18:36	18:37	18:02	17:32	18:40

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	0.023	0.00	0.06	3.83	3.89	83.65	12.46

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	5762	0	120.5	86.7	-0.2	93	0.0
	Haryana	6617	0	143.1	128.6	0.4	184	0.0
	Rajasthan	12007	0	239.5	91.2	1.4	436	0.0
	Delhi	3462	0	70.8	52.7	0.5	144	0.0
	UP	16136	90	308.3	123.8	-1.6	386	0.1
	Uttarakhand	1803	0	35.6	24.8	0.0	172	0.0
	HP	1495	0	29.5	18.3	0.2	116	0.0
	J&K(UT) & Ladakh(UT)	2545	0	46.9	35.3	2.4	436	0.0
	Chandigarh	183	0	3.2	3.1	0.1	21	0.0
	Chhattisgarh	3518	0	80.5	29.4	-0.4	332	0.0
WR	Gujarat	15672	0	344.3	71.4	3.4	560	0.0
	MP	11699	0	252.2	148.6	-2.3	362	0.0
	Maharashtra	18615	0	415.6	119.2	-1.3	591	0.0
	Goa	452	22	9.6	9.2	-0.1	73	0.1
	DD	324	0	7.4	7.3	0.1	43	0.0
	DNH	761	0	17.3	17.4	-0.1	49	0.0
SR	AMNSIL	857	0	19.3	1.2	0.6	279	0.0
	Andhra Pradesh	7450	0	162.2	66.9	-0.1	370	0.0
	Telangana	6789	0	144.9	42.2	-1.5	568	0.0
	Karnataka	7327	0	143.3	53.7	-0.9	593	0.0
	Kerala	3235	0	65.8	40.2	0.0	276	0.0
	Tamil Nadu	13106	0	287.3	156.5	-0.7	880	0.0
	Puducherry	353	0	7.4	7.9	-0.6	22	0.0
ER	Bihar	5298	0	102.9	99.9	-1.7	344	0.0
	DVC	3091	0	65.9	-48.8	0.6	310	0.0
	Jharkhand	1382	0	28.4	21.8	-1.8	80	0.0
	Odisha	4561	0	93.5	15.1	-0.5	357	0.0
	West Bengal	6139	0	121.1	31.0	0.1	298	0.0
NER	Sikkim	84	0	1.2	1.4	-0.1	25	0.0
	Arunachal Pradesh	104	1	1.9	2.3	-0.4	12	0.0
	Assam	1241	7	20.2	17.9	-0.9	87	0.0
	Manipur	181	1	2.4	2.5	-0.1	19	0.0
	Meghalaya	318	2	5.7	-0.2	-0.3	41	0.0
	Mizoram	104	1	1.3	0.7	0.2	15	0.0
	Nagaland	136	1	2.4	2.1	0.0	8	0.0
	Tripura	250	2	3.9	3.6	-0.6	14	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.8	-0.2	-19.2
Day Peak (MW)	1143.0	-76.3	-1079.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	299.4	-269.1	81.1	-99.4	-12.0	0.0
Actual(MU)	303.2	-258.3	74.5	-109.5	-15.8	-5.9
O/D/U/D(MU)	3.8	10.8	-6.6	-10.1	-3.8	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6370	18625	11152	1950	525	38622
State Sector	14249	14384	15998	5855	11	50497
Total	20619	33009	27150	7805	536	89118

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	445	1222	327	458	7	2459
Lignite	17	8	18	0	0	42
Hvdro	143	38	128	84	24	417
Nuclear	26	21	68	0	0	116
Gas, Naptha & Diesel	24	87	16	0	28	155
RES (Wind, Solar, Biomass & Others)	52	51	190	4	0	298
Total	707	1427	748	546	58	3486
Share of RES in total generation (%)	7.36	3.55	25.46	0.81	0.05	8.54
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.36	7.66	51.73	16.12	41.33	23.81

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.009
Based on State Max Demands	1.059

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: 25-Oct-2020

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	702	0.0	17.0	-17.0
2	HVDC	PUSAULI B/B	-	2	297	0.0	7.2	-7.2
3	765 kV	GAYALYARANASI	2	0	851	0.0	11.5	-11.5
4	765 kV	SASARAM-FATEHPUR	1	122	216	0.0	0.4	-0.4
5	765 kV	GAYA-BALIA	1	0	497	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	0	239	0.0	4.9	-4.9
7	400 kV	PUSAULI-ALLAHABAD	1	53	148	0.0	2.2	-2.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	705	0.0	8.8	-8.8
9	400 kV	PATNA-BALIA	4	0	906	0.0	14.8	-14.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	378	0.0	5.9	-5.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	234	0.0	5.4	-5.4
12	400 kV	BIHARSHARIFF-VARANASI	2	119	242	0.0	0.5	-0.5
13	220 kV	PUSAULI-SAHUPURI	1	0	99	0.0	1.9	-1.9
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	49	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	0.4	-89.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	243	750	0.0	5.9	-5.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	769	134	9.7	0.0	9.7
3	765 kV	JHARSUGUDA-DURG	2	29	200	0.0	2.7	-2.7
4	400 kV	JHARSUGUDA-RAIGARH	4	607	209	6.6	0.0	6.6
5	400 kV	RANCHI-SIPAT	2	248	90	3.0	0.0	3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	142	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	95	17	0.9	0.0	0.9
						ER-WR	20.1	9.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	373	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	992	0.0	22.9	-22.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2843	0.0	45.3	-45.3
4	400 kV	TALCHER-I/C	2	1427	0	19.8	0.0	19.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	-76.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	83	241	0.0	1.4	-1.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	289	196	1.1	0.0	1.1
3	220 kV	ALIPURDUAR-SALAKATI	2	26	70	0.0	0.5	-0.5
						ER-NER	1.1	-0.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	17.9	-17.9
						NER-NR	0.0	-17.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1249	0.0	32.8	-32.8
2	HVDC	VINDHYACHAL B/B	-	182	205	1.8	2.8	-1.0
3	HVDC	MUNDRAL-MOHENDERGARH	2	0	1738	0.0	37.9	-37.9
4	765 kV	GWALIOR-AGRA	2	0	2490	0.0	45.1	-45.1
5	765 kV	PHAGI-GWALIOR	2	0	1658	0.0	28.2	-28.2
6	765 kV	JABALPUR-ORAI	2	0	1068	0.0	40.2	-40.2
7	765 kV	GWALIOR-ORAI	1	770	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	1587	0.0	32.4	-32.4
9	765 kV	CHITORGARH-BANASKANTHA	2	0	865	0.0	7.3	-7.3
10	400 kV	ZERDA-KANKROLI	1	28	153	0.0	1.4	-1.4
11	400 kV	ZERDA-BHINMAL	1	0	388	0.0	4.7	-4.7
12	400 kV	VINDHYACHAL-RIHAND	1	983	0	22.4	0.0	22.4
13	400 kV	RAPP-SHULJALPUR	2	0	510	0.0	6.5	-6.5
14	220 kV	BHANPURA-RANPUR	1	0	115	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	1	100	0	0.4	0.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	58	4	1.2	0.0	1.2
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
						WR-NR	37.6	-204.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	11.6	-11.6
2	HVDC	RAIGARH-PUGALUR	2	0	500	0.0	9.5	-9.5
3	765 kV	SOLAPUR-RAICHUR	2	1281	2257	0.0	14.5	-14.5
4	765 kV	WARDHA-NIZAMABAD	2	567	1936	0.0	16.3	-16.3
5	400 kV	KOLHAPUR-KUDGI	2	834	0	9.0	0.0	9.0
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	46	0.7	0.0	0.7
						WR-SR	9.7	-42.2
INTERNATIONAL EXCHANGES								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)		
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	311	0	304	7.3		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	486	459	476	11.4		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	235	0	192	4.6		
	NER	132KV-GEYLEGPHU - SALAKATI	63	19	-26	-0.6		
	NER	132KV Motanga-Rangia	48	28	-36	-0.9		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-13	0	-1	0.0		
	ER	132KV-BIHAR - NEPAL	-49	-1	-5	-0.1		
BANGLADESH	ER	220KV-MUZAFFARPUR - DHAIKHEBAR DC	-14	-2	-3	-0.1		
	ER	BHERAMARA HVDC(BANGLADESH)	-937	0	-692	-16.6		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	71	0	-55	-1.3		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	71	0	-55	-1.3		