



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: 3rd Nov 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 02.11.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-नवंबर-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 2nd 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: 03-Nov-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)	44627	50353	40676	20075	2712	158443
Peak Shortage (MW)	160	0	0	0	49	209
Energy Met (MU)	920	1172	921	410	48	3470
Hydro Gen (MU)	120	25	136	78	18	377
Wind Gen (MU)	1	40	17	-	-	58
Solar Gen (MU)*	37.80	29.27	94.22	4.46	0.12	166
Energy Shortage (MU)	1.5	0.0	0.0	0.0	2.6	4.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45234	53128	44311	20309	2835	160241
Time Of Maximum Demand Met (From NLDC SCADA)	09:39	15:46	12:26	17:57	17:59	18:31

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	0.029	0.00	0.16	5.22	5.38	79.42	15.20

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	5480	0	107.4	86.7	-0.6	221	0.0
	Haryana	5908	0	123.0	111.8	-0.2	156	0.0
	Rajasthan	12630	0	241.3	82.5	2.2	402	0.0
	Delhi	3364	0	63.4	46.6	-1.0	206	0.0
	UP	14398	160	271.5	106.3	-0.7	505	1.5
	Uttarakhand	1762	0	34.9	25.4	0.8	130	0.0
	HP	1530	0	29.1	19.9	0.4	216	0.0
	J&K(UT) & Ladakh(UT)	2534	0	46.8	39.0	0.6	327	0.0
WR	Chhattisgarh	173	0	3.0	3.0	-0.1	12	0.0
	Chhattisgarh	3516	0	75.5	24.6	-0.8	427	0.0
	Gujarat	16192	0	349.4	64.8	3.0	481	0.0
	MP	13074	0	266.3	166.9	-2.1	523	0.0
	Maharashtra	19775	0	428.0	139.3	-1.5	470	0.0
	Goa	479	0	10.1	9.5	0.0	74	0.0
	DD	336	0	7.2	7.0	0.2	171	0.0
	DNH	796	0	18.1	18.0	0.1	239	0.0
SR	AMNSIL	759	0	17.0	2.2	0.2	203	0.0
	Andhra Pradesh	9338	0	185.3	85.8	1.2	514	0.0
	Telangana	7427	0	153.0	41.0	-0.5	404	0.0
	Karnataka	9657	0	184.1	68.1	0.8	465	0.0
	Kerala	3628	0	73.2	50.7	0.4	199	0.0
	Tamil Nadu	15234	0	317.3	184.5	2.6	687	0.0
ER	Puducherry	364	0	7.8	8.0	-0.2	43	0.0
	Bihar	4511	0	82.4	81.9	-0.1	551	0.0
	DVC	3157	0	63.1	-44.0	0.8	275	0.0
	Jharkhand	1322	0	27.0	19.2	-2.0	90	0.0
	Odisha	4435	0	90.3	14.9	-0.1	568	0.0
	West Bengal	7569	0	146.1	42.0	2.9	532	0.0
NER	Sikkim	103	0	1.4	1.4	0.0	44	0.0
	Arunachal Pradesh	119	2	2.0	2.2	-0.2	36	0.0
	Assam	1720	46	28.7	25.1	0.2	94	2.5
	Manipur	198	3	2.7	2.4	0.3	31	0.0
	Meghalaya	352	0	6.1	2.0	-0.1	29	0.0
	Mizoram	101	2	1.5	0.7	0.7	14	0.0
	Nagaland	151	3	2.5	2.2	0.2	15	0.0
	Tripura	266	0	4.5	4.3	-0.2	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	21.1	-2.0	-24.5
Day Peak (MW)	1028.0	-252.9	-1066.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	295.0	-283.8	103.2	-114.0	-0.4	0.0
Actual(MU)	280.1	-279.3	113.5	-119.3	-1.1	-6.1
O/D/U/D(MU)	-14.9	4.5	10.2	-5.3	-0.7	-6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7210	15993	9452	1770	660	35085
State Sector	16096	14461	12926	6557	11	50051
Total	23306	30454	22378	8327	671	85136

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	408	1249	426	480	7	2570
Lignite	24	12	30	0	0	66
Hvdro	120	25	136	78	18	377
Nuclear	28	21	64	0	0	112
Gas, Naptha & Diesel	21	94	16	0	28	159
RES (Wind, Solar, Biomass & Others)	49	70	151	4	0	275
Total	651	1470	822	563	53	3560
Share of RES in total generation (%)	7.58	4.74	18.38	0.79	0.23	7.72
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.28	7.84	42.67	14.73	33.87	21.47

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.076

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: 03-Nov-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	700	0.0	12.8	-12.8	
2	HVDC	PUSAULI B/B	-	0	299	0.0	7.5	-7.5	
3	765 kV	GAYA-VARANASI	2	0	1143	0.0	13.1	-13.1	
4	765 kV	SASARAM-EATEHPUR	2	0	451	0.0	4.4	-4.4	
5	765 kV	GAYA-BALIA	1	0	560	0.0	9.3	-9.3	
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	187	0.0	2.8	-2.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	873	0.0	8.9	-8.9	
9	400 kV	PATNA-BALIA	4	0	1135	0.0	14.1	-14.1	
10	400 kV	BIHARSHARIFF-BALIA	2	0	423	0.0	5.1	-5.1	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	344	0.0	6.0	-6.0	
12	400 kV	BIHARSHARIFF-VARANASI	2	128	366	0.0	1.6	-1.6	
13	220 kV	PUSAULI-SAHUPURI	1	0	77	0.0	1.1	-1.1	
14	132 kV	SONENAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWALRIHAND	1	20	0	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	91.2	-90.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1132	0	17.2	0.0	17.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	853	26	10.4	0.0	10.4	
3	765 kV	JHARSUGUDA-DURG	2	178	151	0.3	0.0	0.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	340	29	4.7	0.0	4.7	
5	400 kV	RANCHI-SIPAT	2	302	10	4.7	0.0	4.7	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	141	0.0	2.3	-2.3	
7	220 kV	BUDHIPADAR-KORBA	2	125	0	1.8	0.0	1.8	
						ER-WR	38.9	2.3	36.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	432	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	40.8	-40.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2874	0.0	54.2	-54.2	
4	400 kV	TALCHER-I/C	2	402	217	3.6	0.0	3.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	104.8	-104.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	293	0.0	4.6	-4.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	183	0.0	5.0	-5.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	66	0.0	1.4	-1.4	
						ER-NER	0.0	11.0	-11.0
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIAL-AGRA	2	0	703	0.0	13.0	-13.0	
						NER-NR	0.0	13.0	-13.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1001	0.0	20.4	-20.4	
2	HVDC	VINDHYACHAL B/B	-	447	0	10.6	0.0	10.6	
3	HVDC	MUNDA-MOHINDGARH	2	0	1646	0.0	36.8	-36.8	
4	765 kV	GWALIOR-AGRA	2	0	2665	0.0	51.8	-51.8	
5	765 kV	PHAGI-GWALIOR	2	0	1825	0.0	29.5	-29.5	
6	765 kV	JABALPUR-ORAI	2	0	1213	0.0	42.2	-42.2	
7	765 kV	GWALIOR-ORAI	1	628	0	10.0	0.0	10.0	
8	765 kV	SATNA-ORAI	1	0	1608	0.0	34.1	-34.1	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	976	0.0	12.1	-12.1	
10	400 kV	ZERDA-KANKROLI	1	23	200	0.0	1.3	-1.3	
11	400 kV	ZERDA-BHINMAL	1	0	441	0.0	4.2	-4.2	
12	400 kV	VINDHYACHAL-RIHAND	1	978	0	22.6	0.0	22.6	
13	400 kV	RAPP-SHUALPUR	2	0	463	0.0	5.4	-5.4	
14	220 kV	BHANPURA-RANPUR	1	0	145	0.0	1.9	-1.9	
15	220 kV	BHANPURA-MORAK	1	11	0	0.2	0.3	-0.1	
16	220 kV	MEHGAON-AURAIYA	1	111	0	0.3	0.1	0.3	
17	220 kV	MALANPUR-AURAIYA	1	66	20	1.1	0.0	1.1	
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	44.9	240.1	-195.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	265	0.0	6.3	-6.3	
2	HVDC	RAIGARH-PUGALUR	2	726	151	0.0	1.7	-1.7	
3	765 kV	SOLAPIR-RAICHUR	2	11	2120	0.0	27.0	-27.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	1897	0.0	26.0	-26.0	
5	400 kV	KOLHAPUR-KUDGI	2	474	0	6.7	0.0	6.7	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	1	0	0.0	0.0	0.0	
8	220 kV	NELDEM-AMBEWADI	1	0	45	0.8	0.0	0.8	
						WR-SR	7.5	61.0	-53.5
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)	262	262	262	6.4			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	531	399	450	10.8			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	172	0	114	2.7			
	NER	132KV-GEVLEGPHU - SALAKATI	23	3	-16	-0.4			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-28	0	-8	-0.2			
	ER	132KV-BIHAR - NEPAL	-129	-1	-44	-1.1			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-96	-2	-32	-0.8			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-926	0	-909	-21.8			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	70	0	-55	-1.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	70	0	-55	-1.3			