

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 24th Nov 2021

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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., डोंगतिएह, 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 23.11.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-नवंबर-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध 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 23rd November 2021, 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:	24-Nov-2021
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)	47222	55839	39202	18644	2531	163438
Peak Shortage (MW)	350	232	0	314	0	896
Energy Met (MU)	938	1265	804	382	45	3434
Hydro Gen (MU)	114	37	106	53	14	325
Wind Gen (MU)	2	21	11			34
Solar Gen (MU)*	61.34	38.20	84.26	4.46	0.14	188
Energy Shortage (MU)	4.33	0.42	0.00	2.96	0.00	7.71
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48400	57237	39582	19152	2659	165680
Time Of Maximum Demand Met (From NLDC SCADA)	18:35	11:03	18:31	17:39	17:21	18:35

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	` ′	(MU)	` ′		(MU)
	Punjab	6037	0	116.2	55.1	-0.4	121	0.75
NR WR	Haryana	6226	0	121.0	82.7	1.7	330	0.00
	Rajasthan	13032	0	231.9	68.0	0.7	343	0.00
	Delhi	3518	0	61.9	51.0	-1.4	126	0.00
NR	UP	15836	0	281.6	108.4	1.0	442	0.13
	Uttarakhand	1889	0	35.3	24.2	0.4	138	0.00
	HP	1713	0	31.4	21.8	0.0	118	0.00
	J&K(UT) & Ladakh(UT)	2929	250	55.9	49.6	0.5	373	3.45
	Chandigarh	184	0	3.1	3.5	-0.4	20	0.00
	Chhattisgarh	3545	0	78.0	27.9	0.1	233	0.00
	Gujarat	16220	0	354.4	210.5	6.1	1043	0.42
	MP	13134	0	276.3	180.4	0.0	488	0.00
WR	Maharashtra	22664	0	496.7	168.4	-7.0	411	0.00
	Goa	629	0	12.7	12.2	-0.2	59	0.00
	DD	344	0	7.8	7.3	0.5	38	0.00
	DNH	855	0	19.8	19.6	0.2	76	0.00
	AMNSIL	873	0	19.3	9.5	0.1	280	0.00
	Andhra Pradesh	7642	0	154.2	64.0	-0.3	483	0.00
	Telangana	7210	0	147.7	44.4	-0.5	350	0.00
SR	Karnataka	7756	0	150.1	40.2	-1.9	575	0.00
	Kerala	3579	0	72.8	32.7	-1.0	210	0.00
	Tamil Nadu	13267	0	271.7	157.1	2.7	951	0.00
	Puducherry	369	0	7.4	7.8	-0.4	34	0.00
	Bihar	4137	388	73.5	61.5	0.3	331	0.31
	DVC	3275	81	65.5	-37.4	-1.5	316	0.86
	Jharkhand	1527	0	26.3	22.7	-0.7	181	1.79
ER	Odisha	4669	0	94.5	29.7	-0.9	328	0.00
	West Bengal	6893	0	120.7	10.2	-0.7	406	0.00
	Sikkim	118	0	1.8	1.7	0.1	31	0.00
	Arunachal Pradesh	129	0	2.4	2.2	0.0	23	0.00
	Assam	1489	0	24.9	18.2	0.4	99	0.00
	Manipur	230	0	2.8	3.0	-0.2	29	0.00
NER	Meghalaya	381	0	6.9	4.9	0.1	30	0.00
	Mizoram	128	0	1.7	1.4	-0.2	13	0.00
SR ER	Nagaland	147	0	2.3	2.0	0.1	63	0.00
	Tripura	226	0	3.7	1.9	-0.3	18	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.9	1.5	-18.5
Day Peak (MW)	721.0	103.0	-854.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	191.0	-84.9	87.6	-187.7	-6.0	0.0
Actual(MU)	184.7	-82.9	91.5	-191.2	-6.4	-4.3
O/D/U/D(MU)	-6.3	2.0	3.9	-3.5	-0.4	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6310	15425	11732	1800	384	35650	44
State Sector	13455	19007	10221	2998	11	45691	56
Total	19765	34432	21953	4798	395	81341	100

G. Sourcewise generation (MU)

G. Sourcewise generation (MC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	508	1213	414	548	12	2695	76
Lignite	26	13	32	0	0	70	2
Hydro	114	37	106	53	14	325	9
Nuclear	25	32	46	0	0	103	3
Gas, Naptha & Diesel	15	10	9	0	29	62	2
RES (Wind, Solar, Biomass & Others)	83	59	121	4	0	268	8
Total	771	1364	728	605	55	3523	100
Share of RES in total generation (%)	10.79	4.36	16.58	0.73	0.25	7.61	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	28.83	9.39	37.57	9.51	25.59	19.74	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.008
Based on State Max Demands	1.043

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

 $[*] Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

INTER-REGIONAL EXCHANGES

			INTER-B	REGIONAL EXCH	ANGES		Import=(+ve) /Export =	
Sl	Voltage 11	Line Details	No. of Circuit	May Import (MIX)	Max Export (MW)	Import AII	Date of Reporting: Export (MU)	24-Nov-2021 NET (MU)
No	Voltage Level rt/Export of ER (V		No. of Circuit	Max Import (MW)	wax export (MW)	Import (MU)	Export (MC)	NEI (MU)
1	HVDC	ALIPURDUAR-AGRA	2	0	502	0.0	12.0	-12.0
2	HVDC	PUSAULI B/B	-	0	251	0.0	6.0	-6.0
3		GAYA-VARANASI SASARAM-FATEHPUR	2	0	772 510	0.0	10.7 7.4	-10.7 -7.4
5	765 kV	GAYA-BALIA	î	ő	505	0.0	9.3	-9.3
7		PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	155	0.0	2.9 3.0	-2.9 -3.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	185 652	0.0	10.5	-10.5
9	400 kV	PATNA-BALIA	4	0	1064	0.0	19.0	-19.0
10 11	400 kV 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	429 398	0.0	6.8	-6.8 -6.3
12	400 kV	BIHARSHARIFF-VARANASI	2	Ů	357	0.0	3.8	-3.8
13	220 kV	PUSAULI-SAHUPURI	1	14	70	0.0	0.8	-0.8
15		SONE NAGAR-RIHAND GARWAH-RIHAND	1	0 25	0	0.0	0.0	0.0
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	0.0	0.0 98.6	-98.3
mpor	t/Export of ER (V	With WR)			224 1144	0.5	70.0	-70.5
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	976	0.0	19.2	-19.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	233	628	0.0	4.1	-4.1
3	765 kV	JHARSUGUDA-DURG	2	0	562	0.0	8.1	-8.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	347	0.0	4.6	-4.6
6	400 kV 220 kV	RANCHI-SIPAT BUDHIPADAR-RAIGARH	2	62	230	0.0	1.2	-1.2
7	220 kV	BUDHIPADAR-KORBA	2	0 64	51	1.3	0.0	-1.0 1.3
	220 R	Debini ibin nonbi	-	04	ER-WR	1.3	38.4	-37.0
	rt/Export of ER (V				510		07	
2	HVDC HVDC	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2 2	0	519 1983	0.0	8.7 36.3	-8.7 -36.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2974	0.0	53.4	-53.4
4	400 kV	TALCHER-I/C	2	1076	295	6.1	0.0	6.1
5	220 kV	BALIMELA-UPPER-SILERRU	1 1	2	0 ER-SR	0.0	0.0 98.4	-98.4
mpor	t/Export of ER (V		•					
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	0 112	244 197	0.0	3.7 1.3	-3.7 -1.3
3		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	5	56	0.0	0.6	-1.3 -0.6
					ER-NER	0.0	5.6	-5.6
mpor 1	t/Export of NER HVDC	(With NR) BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1
				U	NER-NR	0.0	12.1	-12.1
	rt/Export of WR (1 1	
2	HVDC HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0 448	1015 0	0.0 12.1	24.0 0.0	-24.0 12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	Ů	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	1571	0.0	24.7	-24.7
6	765 kV 765 kV	GWALIOR-PHAGI JABALPUR-ORAI	2 2	0	2359 886	0.0	39.3 30.9	-39.3 -30.9
7	765 kV	GWALIOR-ORAI	1	766	0	14.5	0.0	14.5
9	765 kV 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	1 2	0	1105	0.0	23.5	-23.5
10	765 KV	VINDHYACHAL-VARANASI	2	1604 0	0 1954	30.8 0.0	38.4	30.8 -38.4
11	400 kV	ZERDA-KANKROLI	1	313	0	6.2	0.0	6.2
12	400 kV	ZERDA -BHINMAL	1	480 969	0	6.9 21.9	0.0	6.9 21.9
13 14	400 kV 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2	175	377	0.4	1.8	-1.3
15		BHANPURA-RANPUR	1	95	16	1.3	0.0	1.3
16 17	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	133	30	2.1 1.4	0.0	2.1 1.4
18	220 kV	MALANPUR-AURAIYA	1	93	Ů	2.2	0.0	2.2
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0 WR-NR	99.8	182.6	-82.8
	rt/Export of WR (1					
2		BHADRAWATI B/B RAIGARH-PUGALUR	- ,	0 1930	8 1502	0.0	0.0 10.8	0.0 -10.8
3	765 kV	SOLAPUR-RAICHUR	2	1930 890	1502 1974	0.0	11.8	-10.8 -11.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2415	0.0	30.3	-30.3
6	400 kV 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2	992	0	14.0 0.0	0.0	14.0 0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8		XELDEM-AMBEWADI	1	1	96 WD CD	1.7	0.0	1.7
		V4.11	TEDNATIONAL	CHANCEC	WR-SR	15.8	52.8	-37.1
	G		TERNATIONAL EX					-ve)/Export(-ve) Energy Exchang
	State	Region		Name	Max (MW)	Min (MW)	Avg (MW)	(MU)
		ER	400kV MANGDECHH 1,2&3 i.e. ALIPURDU MANGDECHU HEP	AR RECEIPT (from 4*180MW)	192	0	160	3.9
		ER	400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL	URI 1,2,4 (& 400kV URI) i.e. BINAGURI	456	0	339	8.1
	BHUTAN	ER	220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	PARA 1&2 (& 220kV A) i.e. BIRPARA	50	0	24	0.6
		NER	132kV GELEPHU-SA		8	1	4	0.1
		NER	132kV MOTANGA-RA	ANGIA	15	3	9	0.2
		NR	132kV MAHENDRAN TANAKPUR(NHPC)	AGAR-	0	0	0	0.0
	NEPAL	ER	NEPAL IMPORT (FR	OM BIHAR)	0	0	0	0.0
		ER	400kV DHALKEBAR-	MUZAFFARPUR 1&2	103	18	64	1.5
		ER	BHERAMARA B/B H	VDC (BANGLADESH)	-746	-509	-679	-16.3
			132kV COMILLA-SU	n. n			-91	