

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, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

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दिनांक: 22nd 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
- 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., 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 21.11.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21st 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:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	42471	51224	33984	17447	2342	147468
Peak Shortage (MW)	200	0	0	60	0	260
Energy Met (MU)	887	1191	716	371	43	3208
Hydro Gen (MU)	119	27	98	51	13	308
Wind Gen (MU)	20	97	16		-	133
Solar Gen (MU)*	54.99	32.80	65.63	4.45	0.25	158
Energy Shortage (MU)	3.91	0.00	0.00	1.54	0.00	5.45
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	44415	54662	34955	18099	2528	151004
Time Of Maximum Demand Met (From NLDC SCADA)	10:40	10:54	18:26	17:57	17:17	18:21

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.028	0.00	0.00	0.37	0.37	73.87	25.76

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortag (MU)
	Punjab	5586	0	105.6	53.6	-1.5	81	0.00
	Harvana	5257	0	107.3	79.2	0.3	299	0.00
	Rajasthan	12517	0	230.6	53.1	-1.7	440	0.00
	Delhi	3371	0	59.0	44.6	-1.4	139	0.00
NR	UP	14643	0	266.7	111.8	-1.2	336	0.46
	Uttarakhand	1755	0	32.5	21.5	0.1	87	0.00
	HP	1559	0	28.4	19.6	-0.6	106	0.00
	J&K(UT) & Ladakh(UT)	2727	200	53.8	46.3	-0.1	187	3.45
	Chandigarh	161	0	2.7	3.7	-0.9	8	0.00
	Chhattisgarh	3508	0	79.1	27.3	0.1	246	0.00
	Gujarat	14532	0	318.9	181.9	-5.9	325	0.00
WR	MP	13231	0	266.2	173.0	0.0	471	0.00
	Maharashtra	21638	0	471.7	162.7	-5.0	617	0.00
	Goa	527	0	11.1	10.8	-0.4	34	0.00
	DD	308	0	7.1	6.9	0.2	37	0.00
	DNH	818	0	19.1	19.0	0.1	67	0.00
	AMNSIL	829	0	18.1	9.3	0.0	317	0.00
	Andhra Pradesh	7036	0	139.7	58.3	0.0	460	0.00
	Telangana	6390	0	135.5	43.7	0.8	433	0.00
SR	Karnataka	6491	0	130.5	29.5	-0.4	646	0.00
	Kerala	3182	0	64.9	24.7	-0.5	233	0.00
	Tamil Nadu	11450	0	238.6	120.6	-0.1	459	0.00
	Puducherry	328	0	6.5	6.8	-0.3	40	0.00
	Bihar	3999	0	73.4	63.6	0.0	417	0.00
	DVC	3033	0	64.2	-31.2	-0.8	323	1.18
	Jharkhand	1464	0	27.8	23.0	-0.5	160	0.35
ER	Odisha	4720	0	94.5	41.5	-2.2	536	0.00
	West Bengal	5948	0	109.5	6.7	-0.1	386	0.00
	Sikkim	91	0	1.4	1.4	0.0	39	0.00
	Arunachal Pradesh	129	0	2.3	2.1	0.0	50	0.00
	Assam	1423	0	23.8	17.4	-0.5	61	0.00
	Manipur	205	0	2.9	2.9	0.0	51	0.00
NER	Meghalaya	345	0	6.7	5.0	0.1	42	0.00
	Mizoram	109	0	1.7	1.3	-0.1	4	0.00
	Nagaland	138	0	2.2	2.0	0.0	55	0.00
	Tripura	218	0	3.5	1.6	-0.3	24	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.9	1.5	-17.9
Day Peak (MW)	615.0	120.0	-885.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.3	-60.2	50.1	-148.4	-5.8	0.0
Actual(MU)	162.6	-59,3	51.2	-152.5	-5.5	-3.5
O/D/U/D(MU)	-1.8	1.0	1.1	-4.1	0.3	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6310	17535	11832	1800	384	37860	44
State Sector	13385	19385	11261	4288	11	48329	56
Total	19695	36919	23093	6088	395	86189	100

G. Sourcewise generation (MU)

NR	WR	SR	ER	NER	All India	% Share
467	1063	380	501	10	2421	73
24	9	38	0	0	70	2
119	27	98	51	13	308	9
26	32	46	0	0	103	3
20	8	9	0	30	66	2
94	131	106	4	0	335	10
749	1269	676	557	53	3303	100
						i e
12.60	10.30	15.63	0.80	0.47	10.15	
31.87	14.96	36.86	10.03	24.96	22.60	
	467 24 119 26 20 94 749	467 1063 24 9 119 27 26 32 20 8 94 131 749 1269 12.60 10.30	467 1063 380 24 9 38 119 27 98 26 32 46 20 8 9 94 131 106 749 1269 676 12.60 10.30 15.63	467 1063 380 501 24 9 38 0 119 27 98 51 26 32 46 0 20 8 9 0 94 131 106 4 749 1269 676 557 12.60 10.30 15.63 0.80	467 1063 380 501 10 24 9 38 0 0 119 27 98 51 13 26 32 46 0 0 20 8 9 0 30 94 131 106 4 0 749 1269 676 557 53 12.60 10.30 15.63 0.80 0.47	467 1063 380 501 10 2421 24 9 38 0 0 0 70 119 27 98 51 13 308 26 32 46 0 0 103 20 8 9 0 30 66 94 131 106 4 0 335 749 1269 676 557 53 3303 12.60 10.30 15.63 0.80 0.47 10.15

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.139
Based on State Max Demands	1.057

Diversity factor = Sum of regional or state maximum demands / All India maximum demand and a Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 22-Nov-2021

						Date of Reporting:	22-Nov-2021
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER		1101 01 Circuit	mus import (m)	Man Export (M111)	import (iiic)	1,	1121 (110)
1 HVDC	ALIPURDUAR-AGRA	2	0	500	0.0	13.0	-13.0
2 HVDC	PUSAULI B/B		0	248	0.0	5.9	-5.9
3 765 kV	GAYA-VARANASI	2	0	515	0.0	6.1	-6.1
4 765 kV 5 765 kV	SASARAM-FATEHPUR	1	0	420 346	0.0	5.2 7.2	-5.2
5 765 kV 6 400 kV	GAYA-BALIA PUSAULI-VARANASI	1	0	166	0.0	3.2	-7.2 -3.2
7 400 kV	PUSAULI -ALLAHABAD	i	0	155	0.0	2.7	-2.7
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	556	0.0	8.4	-8.4
9 400 kV	PATNA-BALIA	4	0	877	0.0	12.9 3.7	-12.9
10 400 kV 11 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	5 0	328 338	0.0	5.2	-3.7 -5.2
12 400 kV	BIHARSHARIFF-VARANASI	2	47	249	0.0	2.2	-3.2 -2.2
13 220 kV	PUSAULI-SAHUPURI	ĩ	18	74	0.0	0.7	-0.7
14 132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
16 132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI	1	0	ER-NR	0.0	76.2	-75.9
Import/Export of ER	(With WR)				0.0	7 012	-15.7
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	78	1161	0.0	15.0	-15.0
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	370	631	0.0	0.5	-0.5
3 765 kV	JHARSUGUDA-DURG	2	0	323	0.0	5.7	-5.7
4 400 kV	JHARSUGUDA-RAIGARH	4	6	387	0.0	4.1	-4.1
5 400 kV	RANCHI-SIPAT	2	101	212	0.0	0.5	-0.5
6 220 kV	BUDHIPADAR-RAIGARH	1	25	69	0.0	0.7	-0.7
7 220 kV	BUDHIPADAR-KORBA	2	133	0 ER-WR	1.9 1.9	0.0 26.4	1.9 -24.5
Import/Export of ER	(With SR)			£K-WK	1.9	40.4	-24.3
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	392	0.0	8.5	-8.5
2 HVDC	TALCHER-KOLAR BIPOLE	2	Ů	1644	0.0	39.1	-39.1
3 765 kV	ANGUL-SRIKAKULAM	2	0	3089	0.0	47.4	-47.4
4 400 kV	TALCHER-I/C	2	397	461	4.6	0.0	4.6
5 220 kV	BALIMELA-UPPER-SILERRU	1	2	0 ER-SR	0.0	0.0	0.0
Import/Export of ER	With NER)			ER-3K	0.0	95.1	-95.1
1 400 kV	BINAGURI-BONGAIGAON	2	0	267	0.0	3.9	-3.9
2 400 kV	ALIPURDUAR-BONGAIGAON	2	63	222	0.0	1.7	-1.7
3 220 kV	ALIPURDUAR-SALAKATI	2	0	60	0.0	0.7	-0.7
Import/Export of NEF	(Wish ND)			ER-NER	0.0	6.3	-6.3
	BISWANATH CHARIALI-AGRA	,	0	503	0.0	12.0	-12.0
T HADC	DIOTAMATH CHARIALI-AGRA			NER-NR	0.0	12.0	-12.0 -12.0
Import/Export of WR	(With NR)				010	•	1210
1 HVDC	CHAMPA-KURUKSHETRA	2	0	1119	0.0	26.4	-26.4
2 HVDC	VINDHYACHAL B/B	:	451	0	12.2	0.0	12.2
3 HVDC	MUNDRA-MOHINDERGARH	2	0	0 1953	0.0	0.0 27.1	0.0
4 765 kV 5 765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2 2	0	1844	0.0	28.9	-27.1 -28.9
6 765 kV	JABALPUR-ORAI	2	0	714	0.0	22.7	-28.9
7 765 kV	GWALIOR-ORAI	ī	918	0	15.9	0.0	15.9
8 765 kV	SATNA-ORAI	1	0	922	0.0	18.5	-18.5
9 765 kV	BANASKANTHA-CHITORGARH	2	1116	0	14.3	0.0	14.3
10 765 kV	VINDHYACHAL-VARANASI	2	257	2182	0.0	37.6	-37.6
11 400 kV 12 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	257 322	0	3.9 4.5	0.0	3.9 4.5
13 400 kV	VINDHYACHAL -RIHAND	1	967	0	22.0	0.0	22.0
14 400 kV	RAPP-SHUJALPUR	2	232	218	1.6	0.5	1.1
15 220 kV	BHANPURA-RANPUR	1	143	2	1.8	0.0	1.8
16 220 kV	BHANPURA-MORAK	1	0	30	0.5	0.6	-0.1
17 220 kV	MEHGAON-AURAIYA	1	134	0	1.3	0.0	1.3
18 220 kV 19 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	94	0	2.0 0.0	0.0	2.0 0.0
20 132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
				WR-NR	79.8	162.2	-82.4
Import/Export of WR	(With SR)						
	BHADRAWATI B/B	-	0	8	0.0	0.0	0.0
2 HVDC 3 765 kV	RAIGARH-PUGALUR	2 2	964 1422	0 1961	17.0 0.0	0.0 5.8	17.0
3 765 kV 4 765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2	23	2311	0.0	25.8	-5.8 -25.8
5 400 kV	KOLHAPUR-KUDGI	2	1000	0	11.9	0.0	11.9
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	0	90 WR-SR	1.7	0.0 31.6	1.7
	500 00	TEDALLERON	CHANCEC	WK-SK	30.7		-0.9
<u> </u>	IN'	TERNATIONAL EX	CHANGES				+ve)/Export(-ve)
State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange
	1	400kV MANGDECHH	U-ALIPURDUAR			†	(MU)
	ER	1,2&3 i.e. ALIPURDU	AR RECEIPT (from	184	0	174	4.2
		MANGDECHU HEP 4	1*180MW)	-	•	ļ	
		400kV TALA-BINAGU	URI 1,2,4 (& 400kV	2		262	
	ER	MALBASE - BINAGU RECEIPT (from TALA		366	360	363	8.7
		220kV CHUKHA-BIR	PARA 1&2 (& 220kV			 	
BHUTAN	ER	MALBASE - BIRPAR	A) i.e. BIRPARA	43	0	25	0.6
		RECEIPT (from CHU	KHA HEP 4*84MW)			L	
	NED	132kV GELEPHU-SAI	LAKATI	٥		_	0.1
	NER	152KV GELEPHU-SAI	LABAII	8	0	6	0.1
						İ	
	NER	132kV MOTANGA-RA	ANGIA	13	4	9	0.2
<u> </u>		1				1	
	NR	132kV MAHENDRAN	AGAR-	0	0	0	0.0
	148	TANAKPUR(NHPC)		,			3.0
NEPAL	ER	NEPAL IMPORT (FR	OM BIHAR)	0	0	0	0.0
						-	
	ER	400kV DHALKEBAR-	MUZAFFARPUR 1&2	120	30	64	1.5
	ER	BHERAMARA B/B H	VDC (BANGLADESH)	-740	-489	-661	-15.9
		 				 	
BANGLADESH	NER	132kV COMILLA-SUI	RAJMANI NAGAR 1&2	-145	0	-85	-2.0
ĺ						<u> </u>	