

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंटोलर ऑफ इंडिया लिमिटेड

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 20th August 2023

Τo,

- 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., 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 19.08.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-अगस्त-2023 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 19th August 2023, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Date of Reporting: 20-Aug-2023

Report for previous day

er 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)	73356	57923	46818	25282	3222	206601
Peak Shortage (MW)	3431	43	0	660	268	4402
Energy Met (MU)	1750	1415	1150	579	66	4961
Hydro Gen (MU)	416	101	69	140	32	758
Wind Gen (MU)	13	171	227	-	-	412
Solar Gen (MU)*	123.45	38.89	88.92	2.38	0.70	254
Energy Shortage (MU)	20.95	0.50	0.00	3.32	3.84	28.61
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	77906	65107	54621	26026	3239	220724
Time Of Maximum Demand Met	12:57	10:22	10:05	23:22	18:27	12:58

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	0.031	0.00	0.00	3.24	3.24	69.64	27.11

C. Power Supply Position in States

		Max.Demand	Shortage during	Energy Met	Drawal	OD (+)/ UD (-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage (MU
		day (MW)	Demand (MW)	(MIU)	(MU)	(MU)	(IVI VV)	
	Punjab	14955	0	328.4	199.9	-0.5	177	0.00
	Haryana	11824	0	254.2	197.1	-0.9	217	5.17
	Rajasthan	16612	0	343.3	129.6	0.5	432	7.45
	Delhi	6902	0	138.9	119.9	-0.8	209	0.00
NR	UP	25367	0	537.2	253.6	2.1	563	7.37
	Uttarakhand	2248	0	49.4	22.5	1.0	159	0.46
	HP	1651	0	35.6	-0.3	1.3	174	0.26
	J&K(UT) & Ladakh(UT)	2522	125	52.2	28.4	-1.9	129	0.24
	Chandigarh	371	0	7.4	7.6	-0.2	18	0.00
	Railways_NR ISTS	165	0	3.2	3.2	-0.1	39	0.00
	Chhattisgarh	4771	0	106.8	54.0	-1.1	301	0.00
	Gujarat	22470	0	458.7	154.2	-0.1	717	0.00
	MP	10848	0	237.9	117.5	-3.3	770	0.00
WR	Maharashtra	25013	0	540.3	219.4	-3.9	682	0.50
	Goa	629	0	13.1	12.8	-0.1	56	0.00
	DNHDDPDCL	1310	0	30.6	30.8	-0.2	40	0.00
	AMNSIL	845	0	15.4	5.5	-0.3	269	0.00
	BALCO	521	0	12.5	12.5	0.0	11	0.00
	Andhra Pradesh	11076	0	224.8	69.9	-0.8	453	0.00
	Telangana	10505	0	210.6	98.1	-1.8	625	0.00
\mathbf{SR}	Karnataka	14241	0	257.4	92.5	0.8	897	0.00
	Kerala	4032	0	83.3	66.5	2.3	812	0.00
	Tamil Nadu	16985	0	363.8	144.2	-4.7	428	0.00
	Puducherry	454	0	9.9	9.9	-0.7	24	0.00
	Bihar	6915	410	143.0	138.9	1.7	565	2.57
	DVC	3400	0	75.4	-39.6	0.3	277	0.00
	Jharkhand	1748	0	38.1	30.7	2.0	225	0.73
ER	Odisha	5231	0	115.9	43.3	1.2	365	0.02
	West Bengal	9435	0	205.4	83.1	-2.9	56	0.00
	Sikkim	77	0	1.1	1.1	0.1	19	0.00
	Railways_ER ISTS	31	0	0.2	0.2	0.1	20	0.00
	Arunachal Pradesh	160	0	2.8	2.4	0.0	50	0.00
	Assam	2163	0	44.8	34.9	2.7	268	3.42
	Manipur	188	0	2.8	2.7	0.0	69	0.00
NER	Meghalaya	325	0	5.1	0.0	-0.1	44	0.42
	Mizoram	119	0	2.0	1.6	-0.2	6	0.00
	Nagaland	159	0	2.8	2.5	0.0	38	0.00
	Trinura	318	0	6.1	6.6	0.4	72	0.00

D. Transnational Ex	changes (MU) - Imp	ort(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	42.5	9.8	-25.0	-30.5
Day Peak (MW)	1929.0	437.0	-1087.0	-1379.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	373.6	-344.7	90.5	-112.9	-6.5	0.0
Actual(MU)	358.0	-338.1	87.6	-108.7	-3.5	-4.7
O/D/LI/D(MLI)	-15.6	6.6	-2.9	4.2	3.0	-47

F. Generation Outage(MW)

1. Generation Gutage(1.177)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2939	9710	6758	3660	255	23322	42
State Sector	7070	13812	7138	3490	157	31666	58
Total	10009	23522	13896	7150	411	54988	100

G. Sourcewise generation (Gross) (WC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	827	1456	606	605	16	3510	66
Lignite	27	9	41	0	0	77	1
Hydro	416	101	69	140	32	758	14
Nuclear	29	50	71	0	0	150	3
Gas, Naptha & Diesel	41	58	6	0	28	133	2
RES (Wind, Solar, Biomass & Others)	144	211	340	4	1	699	13
Total	1482	1886	1133	749	77	5327	100
Share of RES in total generation (%)	9.68	11.21	29.99	0.48	0.91	13.12	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.70	19.22	42.36	19.20	42.67	30.18	

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Based on Regional Max Demands	1.027
Based on State Max Demands	1.071
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I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	220724	12:58	344
Non-Solar hr	210286	19:26	3545

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

^{**}Note: All generation MU figures are gross

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

*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: 20-Aug-2023

Sl No Voltage Level		1				Date of Reporting:	20-Aug-2023
	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (
1 HVDC	ALIPURDUAR-AGRA	2	0	501	0.0	12.3	-12.3
2 HVDC 3 765 kV	PUSAULI B/B GAYA-VARANASI	2	0 32	94 475	0.0	2.4 3.5	-2.4 -3.5
4 765 kV	SASARAM-FATEHPUR	1	0	284	0.0	3.5	-3.5
5 765 kV	GAYA-BALIA	1	0	635	0.0	10.8	-10.8
6 400 kV 7 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	85 101	0.0	1.0	-1.0 -1.3
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	844	0.0	14.0	-14.0
9 400 kV	PATNA-BALIA	2	0	505	0.0	9.4	-9.4
10 400 kV	NAUBATPUR-BALIA	2 2	0	516	0.0	9.3	-9.3
11 400 kV 12 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2 2	0	301 482	0.0	7.8	-3.9 -7.8
13 400 kV	BIHARSHARIFF-VARANASI	2	21	233	0.0	1.9	-1.9
14 220 kV	SAHUPURI-KARAMNASA	1	0	116	0.0	1.8	-1.8
15 132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16 132 kV 17 132 kV	GARWAH-RIHAND KARMANASA-SAHUPURI	1	30	0 68	0.5	0.0	0.5 0.0
18 132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
				ER-NR	0.5	82.7	-82.2
Import/Export of ER (
1 765 kV 2 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	1784 1239	0 354	23.8 14.9	0.0	23.8 14.9
3 765 kV	JHARSUGUDA-DURG	2	151	285	0.0	1.5	-1.5
4 400 kV	JHARSUGUDA-RAIGARH	4	14	446	0.0	4.5	-4.5
5 400 kV	RANCHI-SIPAT	2	251	198	1.5	0.0	1.5
6 220 kV	BUDHIPADAR-RAIGARH	1	0	178	0.0	2.9	-2.9
7 220 kV	BUDHIPADAR-KORBA	2	59	19 ER-WR	0.5 40.7	0.0 8.9	0.5 31.8
Import/Export of ER (With SR)			EK-WK	40.7	0.7	31.0
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	390	0.0	8.6	-8.6
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1632	0.0	29.2	-29,2
3 765 kV	ANGUL-SRIKAKULAM	2	0	2404	0.0	37.9	-37.9
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	173 0	561 0	0.0	0.9	-0.9 0.0
3 220 KV	D. DINIBUA-CI I EN-SIDERRU		U	ER-SR	0.0	75.6	-75.6
Import/Export of ER ((With NER)				VIV		
1 400 kV	BINAGURI-BONGAIGAON	2	0	314	0.0	4.1	-4.1
2 400 kV	ALIPURDUAR-BONGAIGAON	2	0	475	0.0	6.0	-6.0
3 220 kV	ALIPURDUAR-SALAKATI	2	0	91 ED MED	0.0	1.3	-1.3
Import/Export of NER	(With NR)			ER-NER	0.0	11.5	-11.5
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	16.8	-16.8
		-		NER-NR	0.0	16.8	-16.8
Import/Export of WR	(With NR)					•	
1 HVDC	CHAMPA-KURUKSHETRA	2	0	5556	0.0	81.0	-81.0
2 HVDC	VINDHYACHAL B/B	:	359	0	5.1	0.0	5.1
3 HVDC 4 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	979 2500	0.0	23.4 36.8	-23.4 -36.8
5 765 kV	GWALIOR-PHAGI	2	0	1440	0.0	20.8	-20.8
6 765 kV	JABALPUR-ORAI	2	0	1212	0.0	31.5	-31.5
7 765 kV	GWALIOR-ORAI	1	684	0	12.1	0.0	12.1
8 765 kV 9 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	1	0 366	1093 1585	0.0 1.0	21.3 16.2	-21.3
10 765 kV	VINDHYACHAL-VARANASI	2 2	0	3464	0.0	60.3	-15.2 -60.3
11 400 kV	ZERDA-KANKROLI	1	100	204	0.3	1.4	-1.2
12 400 kV	ZERDA -BHINMAL	1	246	502	0.7	4.5	-3.8
13 400 kV	VINDHYACHAL -RIHAND	1	949	0	21.4	0.0	21.4
14 400 kV 15 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	2	133	673 0	0.2	7.0	-6.8 0.0
16 220 kV	BHANPURA-MORAK	1	0	30	0.0	2.6	-2.6
17 220 kV	MEHGAON-AURAIYA	1	120	0	1.6	0.0	1.6
18 220 kV	MALANPUR-AURAIYA	1	90	7	1.0	0.0	1.0
19 132 kV 20 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
20 102 K	KINGILIT EKENTT CK		V	WR-NR	43.4	306.9	-263.6
Import/Export of WR	(With SR)			*		•	
1 HVDC	BHADRAWATI B/B		0	998	0.0	13.0	-13.0
2 HVDC 3 765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2	0	2002	0.0	22.2	-22.2
3 765 kV 4 765 kV	WARDHA-NIZAMABAD	2	848 0	1553			
5 400 kV	KOLHAPUR-KUDGI	2		2440	5.6 0.0	5.1 30.0	0.5 -30.0
6 220 kV	KOLHAPUR-CHIKODI		1146	2440	5.6 0.0 20.0	30.0 0.0	0.5 -30.0 20.0
7 220 kV	DOME A AMERICAN	2	0	0	0.0 20.0 0.0	30.0 0.0 0.0	-30.0 20.0 0.0
	PONDA-AMBEWADI XELDEM-AMBEWADI		0	0 0	0.0 20.0 0.0 0.0	30.0 0.0 0.0 0.0	-30.0 20.0 0.0 0.0
8 220 kV	PONDA-AMBEWADI XELDEM-AMBEWADI		0	0	0.0 20.0 0.0	30.0 0.0 0.0	-30.0 20.0 0.0
	XELDEM-AMBEWADI	1 1	0 0 0	0 0 0 104	0.0 20.0 0.0 0.0 2.1	30.0 0.0 0.0 0.0 0.0 0.0 70.3	-30.0 20.0 0.0 0.0 2.1 -42.7
8 220 kV	XELDEM-AMBEWADI	2 1 1 TERNATIONAL EX	0 0 0 CHANGES	0 0 0 104 WR-SR	0.0 20.0 0.0 0.0 2.1 27.6	30.0 0.0 0.0 0.0 0.0 70.3	-30.0 20.0 0.0 0.0 2.1
	XELDEM-AMBEWADI	2 1 1 TERNATIONAL EXC	0 0 0 CHANGES	0 0 0 104	0.0 20.0 0.0 0.0 2.1	30.0 0.0 0.0 0.0 0.0 0.0 70.3	-30.0 20.0 0.0 0.0 2.1 -42.7 (+ve)/Export(-ve)
8 220 kV	IN Region	2 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le.	0 0 0 104 WR-SR	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU)
8 220 kV	XELDEM-AMBEWADI	2 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le.	0 0 0 104 WR-SR	0.0 20.0 0.0 0.0 2.1 27.6	30.0 0.0 0.0 0.0 0.0 70.3	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange
8 220 kV	IN Region	2 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU)
8 220 kV	IN Region	2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU I 1,2,4 (& 400kV 1) i.e. BINAGURI	0 0 0 104 WR-SR	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU)
8 220 kV	IN Region ER	2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU I 1,2,4 (& 400kV 1) i.e. BINAGURI	0 0 0 104 WR-SR Max (MW)	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47
8 220 kV	IN Region ER	2 1 1 1 TERNATIONAL EXCLUSION ALIPURDUAR RECEIPTHEP 4*180MW) 400KV TALA-BINAGURI	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI LEP 6*170MW) RA 1&2 (& 220kV	0 0 0 104 WR-SR Max (MW)	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47
8 220 kV State	IN Region ER ER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA	0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6°170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	0 0 0 104 WR-SR Max (MW) 615	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47
8 220 kV State	IN Region ER ER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8	0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW)	0 0 0 104 WR-SR Max (MW) 615	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51
8 220 kV State	IN Region ER ER	2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA)	0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW)	0 0 0 104 WR-SR Max (MW) 615	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW)	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW)	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47
8 220 kV State	XELDEM-AMBEWADI IN Region ER ER ER NER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615 1015	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50
8 220 kV State	IN Region ER ER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51
8 220 kV State	XELDEM-AMBEWADI IN Region ER ER ER NER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615 1015	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50
8 220 kV State	XELDEM-AMBEWADI IN Region ER ER ER NER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615 1015	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104	-30.0 20.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50
8 220 kV State	XELDEM-AMBEWADI IN Region ER ER ER NER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI	0 0 0 104 WR-SR Max (MW) 615 1015 130 32	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50 0.64
State State	XELDEM-AMBEWADI IN Region ER ER NER NER NR	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV HOW TALA-BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50 0.64 1.33
8 220 kV State	XELDEM-AMBEWADI IN Region ER ER ER NER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA	0 0 0 104 WR-SR Max (MW) 615 1015 130 32	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50 0.64
State State	XELDEM-AMBEWADI IN Region ER ER NER NER NER ER	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MV 400kV TALA-BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC)	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50 0.64 1.33 0.39
State State	XELDEM-AMBEWADI IN Region ER ER NER NER NR	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV HOW TALA-BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC)	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67	0.0 20.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MII) 14.47 23.51 2.50 0.64 1.33
State State	XELDEM-AMBEWADI IN Region ER ER NER NER NER ER	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MV 400kV TALA-BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC)	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47 23.51 2.50 0.64 1.33 0.39
State State	XELDEM-AMBEWADI IN Region ER ER NER NER NER ER	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MV 400kV TALA-BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47 23.51 2.50 0.64 1.33 0.39
State State	XELDEM-AMBEWADI IN Region ER ER ER NER NER NER ER ER	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-BIPA MALBASE - BIRPARA) i 132kV GELEPHU-SALA 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43 0 0 289	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16 0 390	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MUI) 14.47 23.51 2.50 0.64 1.33 0.39 0.00
State State BHUTAN NEPAL	XELDEM-AMBEWADI IN Region ER ER ER NER NER NER ER ER	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP'I HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19 0 456	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43 0 0 289	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16 0 390 -898	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47 23.51 2.50 0.64 1.33 0.39 0.00 9.36 -21.55
State State	XELDEM-AMBEWADI	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-BIPA MALBASE - BIRPARA) i 132kV GELEPHU-SALA 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. Γ (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43 0 0 289	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16 0 390	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MUI) 14.47 23.51 2.50 0.64 1.33 0.39 0.00
State State BHUTAN NEPAL	XELDEM-AMBEWADI IN Region ER ER ER NER NER NER ER ER ER	2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW MAUGHER SINAGUR RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA-BIPA MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD 400kV GODDA_TPS-RAI	O O O O O O O O O O O O O O O O O O O	0 0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19 0 456 -924 -1379	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43 0 0 289 -794	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16 0 390 -898	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47 23.51 2.50 0.64 1.33 0.39 0.00 9.36 -21.55
State State BHUTAN NEPAL	XELDEM-AMBEWADI IN Region ER ER ER NER NER NER ER ER ER	2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP'I HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD	O O O O O O O O O O O O O O O O O O O	0 0 0 104 WR-SR Max (MW) 615 1015 130 32 67 -19 0 456	0.0 20.0 0.0 0.0 0.0 2.1 27.6 Min (MW) 575 0 82 22 43 0 0 289	30.0 0.0 0.0 0.0 0.0 70.3 Import(Avg (MW) 603 980 104 27 55 16 0 390 -898	-30.0 20.0 0.0 0.0 0.0 2.1 -42.7 +ve)/Export(-ve) Energy Exchange (MU) 14.47 23.51 2.50 0.64 1.33 0.39 0.00 9.36 -21.55

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 20-Aug-2023

Export From India (in MU)

		STOA							
	(ISGS/LTA/MTOA)		COLLECTIVE						
Country	PPA	BILATERAL TOTAL	IDAM			RTM			TOTAL
I			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nepal	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32
Bangladesh	21.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.32
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	21.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.64

Import by India(in MU)

		STOA							
	(ISGS/LTA/MTOA)	COLLECTIVE							
Country	PPA	BILATERAL TOTAL	IDAM			RTM			TOTAL
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	39.38	2.48	0.00	0.00	0.00	0.00	0.00	0.00	41.86
Nepal	0.00	0.00	9.07	0.00	0.00	0.00	0.00	0.00	9.07
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	39.38	2.48	9.07	0.00	0.00	0.00	0.00	0.00	50.93

Net from India(in MU) -ve : Export / +ve : Import

Tet from Hand(M 170)									
			STOA						
	(ISGS/LTA/MTOA)		COLLECTIVE						
Country	PPA	BILATERAL	IDAM				TOTAL		
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	39.38	2.48	0.00	0.00	0.00	0.00	0.00	0.00	41.86
Nepal	-0.32	0.00	9.07	0.00	0.00	0.00	0.00	0.00	8.75
Bangladesh	-21.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.32
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	17.74	2.48	9.07	0.00	0.00	0.00	0.00	0.00	29.29