

## 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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

दिनांक: 24<sup>th</sup> April 2023

- 1. 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 23.04.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-अप्रैल-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 23<sup>rd</sup> April 2023, is available at the NLDC website.

धन्यवाद.

## ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day A. Power Supply Position at All India and Regional level

Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	48923	56478	43308	22429	2005	173143
Peak Shortage (MW)	0	0	0	0	34	34
Energy Met (MU)	1075	1362	1112	496	39	4084
Hydro Gen (MU)	173	19	53	43	10	297
Wind Gen (MU)	26	95	38			159
Solar Gen (MU)*	142.63	63.33	127.91	5.15	0.52	340
Energy Shortage (MU)	0.15	0.00	0.00	0.04	1.26	1.45
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52938	60088	51567	23084	2043	184407
Time Of Maximum Demand Met (From NLDC SCADA)	00:01	11:38	11:36	00:17	20:24	00:00

B. Frequency Profile (%) Region All India FVI < 49.7 49.9 - 50.05 49.7 - 49.8 49.8 - 49.9 < 49.9 > 50.05 0.064

arower bu	pply Position in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	2.55	Schedule			Shortage
		dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	6302	0	131.9	34.5	-3.4	314	0.00
	Harvana	6711	Ů	125.4	70.1	-4.4	193	0.00
	Rajasthan	12309	Ů	247.2	59.6	-8.2	154	0.00
	Delhi	3934	0	81.1	74.4	-2.4	158	0.00
NR	UP	18053	0	359.0	155.5	-2.7	599	0.00
	Uttarakhand	1841	0	38.9	18.6	0.1	136	0.00
	HP	1496	0	27.9	13.1	0.0	103	0.00
	J&K(UT) & Ladakh(UT)	2629	0	55.7	42.7	-0.4	209	0.15
	Chandigarh	206	0	4.6	4.6	0.0	15	0.00
	Railways NR ISTS	180	0	3.8	3.2	0,6	37	0.00
	Chhattisgarh	4489	0	95.7	38.2	-3.1	263	0.00
	Gujarat	18834	0	416.5	185.5	0.0	0	0.00
	MP	10910	0	229.3	127.3	-6.2	0	0.00
WR	Maharashtra	24635	0	549.1	200.1	-1.5	172	0.00
	Goa	656	0	13.0	13.7	-1.2	0	0.00
	DNHDDPDCL	1229	0	28.3	28.8	-0.5	0	0.00
	AMNSIL	816	0	17.5	9.0	0.0	0	0.00
	BALCO	520	0	12.4	12.5	-0.1	0	0.00
	Andhra Pradesh	10038	0	211.8	91.8	-2.9	370	0.00
	Telangana	9217	0	189.4	65.4	0.2	857	0.00
SR	Karnataka	13510	0	267.0	104.5	-1.8	696	0.00
	Kerala	4440	0	88.7	71.7	-0.5	172	0.00
	Tamil Nadu	15444	0	344.9	207.1	-3.2	428	0.00
	Puducherry	438	0	10.0	9.7	-0.4	36	0.00
	Bihar	5683	0	111.4	108,6	-6.5	108	0.04
	DVC	3490	0	74.4	-35.6	-0.5	376	0.00
	Jharkhand	1566	0	32.0	26.4	-3.0	177	0.00
ER	Odisha	5735	0	106.5	48.3	-2.1	421	0.00
	West Bengal	8284	0	170.8	38.6	-3.8	250	0.00
	Sikkim	68	0	0.9	1.2	-0.2	23	0.00
	Arunachal Pradesh	130	0	2.1	2.4	-0.3	43	0.00
	Assam	1174	0	22.1	16.7	-0.6	107	0.00
	Manipur	124	0	2.2	2.3	-0.1	28	0.00
NER	Meghalaya	289	34	4.9	3.6	0.0	70	1.26
	Mizoram	120	0	1.6	1.3	-0.3	14	0.00
	Nagaland	116	0	1.8	2.0	-0.3	11	0.00
	Tripura	238	0	4.4	4.6	-0.4	46	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)				
	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	3.7	-13.9	-25.0	-11.3
Day Peak (MW)	276.0	-718.7	-1093.0	-568.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	79.9	-186.3	177.6	-65.0	-6.2	0.0
Actual(MU)	42.5	-165.6	186.4	-63.9	-4.8	-5.3
O/D/U/D(MU)	-37.4	20.7	8.9	1.1	1.4	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3487	9741	4248	1550	425	19451	47
State Sector	6590	10212	3148	2390	247	22586	53
Total	10077	19953	7396	3940	672	42037	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	676	1378	658	601	11	3324	75
Lignite	21	16	40	0	0	77	2
Hydro	173	19	53	43	10	297	7
Nuclear	30	36	45	0	0	111	3
Gas, Naptha & Diesel	18	15	6	0	30	68	2
RES (Wind, Solar, Biomass & Others)	188	159	191	6	1	545	12
Total	1106	1623	994	649	51	4423	100
Share of RES in total generation (%)	17.00	9.81	19.25	0.93	1.03	12.32	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.39	13.18	29.08	7.48	20.26	21.55	

H. All India Demand Diversity Factor

H. All India Deliand Diversity Factor	
Based on Regional Max Demands	1.029
Rased on State Max Demands	1.062

<sup>| 1.062
|</sup> Diversity factor = Sum of regional or state maximum demands / All India maximum demand

<sup>\*</sup>Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.
\*\*Note: All generation MU figures are gross
\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 24-Apr-2023

							Date of Reporting:	24-Apr-2023
Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	_		No. or Circuit	Max Import (MW)	Max Export (MW)	Import (MC)	Export (ATC)	REI (MC)
1mpor	rt/Export of ER (	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	97	0.0	2.3	-2.3
3	765 kV	GAYA-VARANASI	2	454	619	0.0	2.2	-2.2
5		SASARAM-FATEHPUR GAYA-BALIA	1	162 9	417 585	0.0	7.0	-2.9 -7.0
6	400 kV	PUSAULI-VARANASI	i	0	106	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	1	1	87	0.0	1.1 4.9	-1.1
8	400 kV 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	2	325 145	704 439	0.0	3.6	-4.9 -3.6
10	400 kV	NAUBATPUR-BALIA	2	208	459	0.0	3.1	-3.1
11	400 kV	BIHARSHARIFF-BALIA	2	320	254	0.6	0.0 4.1	0.6
12 13	400 kV 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	137 215	478 263	0.0	1.1	-4.1 -1.1
14	220 kV	SAHUPURI-KARAMNASA	ī	1	126	0.0	1.5	-1.5
15		NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16 17		GARWAH-RIHAND KARMANASA-SAHUPURI	1	25	0 41	0.4	0.0	0.4
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	1.0	35.2	-34.3
	rt/Export of ER (							
2		JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	2264 577	0 464	29.4	0.0	29.4 1.1
3		JHARSUGUDA-DURG	2	0	756	0.0	9.3	-9.3
4		JHARSUGUDA-RAIGARH	4	62	441	0.0	4.4	-4.4
5 6	400 kV 220 kV	RANCHI-SIPAT BUDHIPADAR-RAIGARH	2	101 0	146 56	0.0	0.1 0.8	-0.1 -0.8
7		BUDHIPADAR-KORBA	2	126	0	2.2	0.0	2.2
					ER-WR	32.8	14.5	18.3
	rt/Export of ER (							
1	HVDC	JEYPORE-GAZUWAKA B/B	2 2	0	503	0.0	10.0 36.4	-10.0
3	HVDC 765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2 2	0	1648 2911	0.0	56.2	-36.4 -56.2
4	400 kV	TALCHER-I/C	2	678	635	0.0	0.3	-0.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0 ED CD	0.0	0.0	0.0
Impe	rt/Export of ER (	With NFR)			ER-SR	0.0	102.6	-102.6
1mpor		WITH NER) BINAGURI-BONGAIGAON	,	239	0	3.1	0.0	3.1
2		ALIPURDUAR-BONGAIGAON	2	793	0	10.7	0.0	10.7
3	220 kV	ALIPURDUAR-SALAKATI	2	145	0	2.1	0.0	2.1
	·/F · 63/FF	arra sm			ER-NER	15.9	0.0	15.9
Impor	rt/Export of NER		•	402	0 1	17.4	0.0	11.4
	HVDC	BISWANATH CHARIALI-AGRA	2	482	0 NER-NR	11.4 11.4	0.0	11.4 11.4
Impor	rt/Export of WR (	With NR)			ALEX-NR.	11.4	1 0.0	11.04
1		CHAMPA-KURUKSHETRA	2	6	1497	15.0	15.0	0.0
2	HVDC	VINDHYACHAL B/B	-	445	0	12.1	0.0	12.1
4	HVDC	MUNDRA-MOHINDERGARH	2	0	998 1777	0.0	7.4 19.9	-7.4
5		GWALIOR-AGRA GWALIOR-PHAGI	2	0	1482	0.0	7.9	-19.9 -7.9
6	765 kV	JABALPUR-ORAI	2	0	0	0.0	11.6	-11.6
7	765 kV	GWALIOR-ORAI	1	860	23	11.4	0.0 14.6	11.4
8	765 kV 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	2	0	884 0	0.0 30.7	0.0	-14.6 30.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	247	0.0	40.5	-40.5
-11		ZERDA-KANKROLI	1	242	0	6.0	0.0	6.0
12 13		ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	334 957	0	7.3 18.7	0.0	7.3 18.7
14	400 kV	RAPP-SHUJALPUR	2	817	250	5.9	1.3	4.6
15	220 kV	BHANPURA-RANPUR		0	0	0.0	0.0	0.0
16 17	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	0	30 0	0.0	0.0	0.0
18	220 kV	MALANPUR-AURAIYA	i	51	Ö	0.5	0.0	0.5
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	0.0 108.4	0.0 118.1	0.0 -9.7
Impor	rt/Export of WR (	With SR)			VV K-1VK	100.4	110.1	-9./
1		BHADRAWATI B/B	-	0	1009	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	4506	0.0	76.6	-76.6
3 4	765 kV 765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2	0	0 2560	0.0	16.5 41.5	-16.5
5		KOLHAPUR-KUDGI	2	620	2560			
6	220 kV	KOLHAPUR-CHIKODI	2	0		18.2	0.0	-41.5 18.2
7	220 kV 220 kV	PONDA-AMBEWADI			0	0.0	0.0	18.2 0.0
δ		VELDEM AMBEWADI	1	0	0	0.0	0.0 0.0	18.2 0.0 0.0
$\vdash$	220 K 1	XELDEM-AMBEWADI	1 1		0 0 130	0.0 0.0 2.4	0.0 0.0 0.0	18.2 0.0 0.0 2.4
	220 R V	XELDEM-AMBEWADI	1 1	0	0	0.0	0.0 0.0 0.0 146.6	18.2 0.0 0.0 2.4 -125.9
		XELDEM-AMBEWADI IN	TERNATIONAL EX	0 0 CHANGES	0 0 130 WR-SR	0.0 0.0 2.4 20.6	0.0 0.0 0.0 146.6 Import	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve)
	State	XELDEM-AMBEWADI	Line	0 0 CHANGES	0 0 130	0.0 0.0 2.4	0.0 0.0 0.0 146.6	18.2 0.0 0.0 2.4 -125.9
		XELDEM-AMBEWADI  IN  Region	Line 400kV MANGDECHHU-A	0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e.	0 0 130 WR-SR	0.0 0.0 2.4 20.6 Min (MW)	0.0 0.0 0.0 146.6 Import( Avg (MW)	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII)
		XELDEM-AMBEWADI IN	Line 400kV MANGDECHHU-A ALIPURDUAR RECEIPT	0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e.	0 0 130 WR-SR	0.0 0.0 2.4 20.6	0.0 0.0 0.0 146.6 Import	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange
		XELDEM-AMBEWADI  IN  Region	Line 400kV MANGDECHHU-A ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI	0 0 CHANGES Name MIPURDUAR 1,2&3 i.e. (from MANGDECHU 1,2,4 (& 400kV	0 0 130 WR-SR	0.0 0.0 2.4 20.6 Min (MW)	0.0 0.0 0.0 146.6 Import( Avg (MW)	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII)
		XELDEM-AMBEWADI  IN  Region	Line 400kV MANGDECHHU-A ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	0 0 CHANGES Name LIPURDUAR 1,2&3 i.e. Offrom MANGDECHU 1,24 (& 4000kV	0 0 130 WR-SR	0.0 0.0 2.4 20.6 Min (MW)	0.0 0.0 0.0 146.6 Import( Avg (MW)	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII)
		XELDEM-AMBEWADI  IN  Region  ER	Line 400kV MANGDECHHU-A ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	0 0 CHANGES Name LIPURDUAR 1,2&3 i.e. Offrom MANGDECHU 1,24 (& 4000kV	0 0 130 WR-SR Max (MW)	0.0 0.0 2.4 20.6 Min (MW)	0.0 0.0 0.0 146.6 Import( Avg (MW)	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78
	State	XELDEM-AMBEWADI  IN  Region  ER  ER	Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H	0 0 0 CHANGES Name LIPURDUAR 1,2&3 i.e. '(from MANGDECHU 1,2,4 (& 400kV )) i.e. BINAGURI EP 6°170MW) 8A 1&2 (& 220kV	0 0 130 WR-SR Max (MW) 105	0.0 0.0 2.4 20.6 Min (MW) -41	0.0 0.0 0.0 146.6 Import Avg (MW) 33	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78
		XELDEM-AMBEWADI  IN  Region  ER	Line 400kV MANGDECHHU-A ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	0 0 0 CHANGES Name L2&3 Le. (from MANGDECHU 1,2,4 (& 400kV ) i.e. BINAGURI EP 6*170MW AL 1&2 (& 220kV & & BIRPARA RECEIPT	0 0 130 WR-SR Max (MW)	0.0 0.0 2.4 20.6 Min (MW)	0.0 0.0 0.0 146.6 Import( Avg (MW)	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78
	State	XELDEM-AMBEWADI  IN  Region  ER  ER  ER	Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 20kV CHUKHA-BIRPA) MALBASE - BIRPARA) i (from CHUKHA HEP 4*8	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV ) i.e. BINAGURI R 1 622 (& 220kV & 1844 AR R CEIPT 4MW)	0 9 130 WR-SR Max (MW) 105 321	0.0 0.0 2.4 20.6  Min (MW)  -41  176	0.0 0.0 0.0 146.6 Import( Avg (MW) 33 260	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78 6.24
	State	XELDEM-AMBEWADI  IN  Region  ER  ER	Line 400KV MANGDECHHU ALIPURDUAR RECEIPI HEP 4*180MW) 400KV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA-H 20kV CHUKHA-BIRPA) MALBASE - BIRPARA);	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV ) i.e. BINAGURI R 1 622 (& 220kV & 1844 AR R CEIPT 4MW)	0 0 130 WR-SR Max (MW) 105	0.0 0.0 2.4 20.6 Min (MW) -41	0.0 0.0 0.0 146.6 Import Avg (MW) 33	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78
	State	IN Region ER ER ER NER	Line  ALIPUROUAR RECEIPI ALIPUROUAR RECEIPI HEF 4°1800AW HORY TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRFARA); ITOMO CHUKHA-BIRFA MALBASE - BIRFARA); 1324V GELEPHU-SALAH	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 4000kV ) Le. BINAGURI PG 4170AW LA 18,2 (& 220kV AL 18,2 (& 220kV AL 18,2 (& 14,2 K) AL 14,4	0 0 130 WR-SR Max (MW) 105 321 -179	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange AH1) 0.78 6.24 -3.04
	State	XELDEM-AMBEWADI  IN  Region  ER  ER  ER	Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 20kV CHUKHA-BIRPA) MALBASE - BIRPARA) i (from CHUKHA HEP 4*8	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 4000kV ) Le. BINAGURI PG 4170AW LA 18,2 (& 220kV AL 18,2 (& 220kV AL 18,2 (& 14,2 K) AL 14,4	0 9 130 WR-SR Max (MW) 105 321	0.0 0.0 2.4 20.6  Min (MW)  -41  176	0.0 0.0 0.0 146.6 Import( Avg (MW) 33 260	18.2 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78 6.24
	State	IN Region ER ER ER NER	Line  OBLY MANGDECHIA ALIPURDUAR RECEIPI HEP 4°180MW) 1008V TALA-BINAGURI MALBASE - BINAGURI 1208V GHUKHA-BIRPA 1524V GELEPHU-SALAI 1524V MOTANGA-RANG	0 0 0 CHANGES Name MIPURDUAR 1,2&3 i.e. (from MANCIDECHU 1,2,4 (& 4000); 1,2,4 (& 4000); 1,2,4 (& 4000); 1,2,4 (& 4000); 1,4 (& 4000); 1,5 (& 4000); 1,5 (& 4000); 1,6 (& 4000); 1,7 (& 4000); 1,7 (& 4000); 1,8 (& 4000); 1,8 (& 4000); 1,9 (&	0 0 130 WR-SR Max (MW) 105 321 -179	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange AH1) 0.78 6.24 -3.04
	State	IN Region ER ER ER NER	Line  ALIPUROUAR RECEIPI ALIPUROUAR RECEIPI HEF 4°1800AW HORY TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H MALBASE - BIRFARA); ITOMO CHUKHA-BIRFA MALBASE - BIRFARA); 1324V GELEPHU-SALAH	0 0 0 CHANGES Name MIPURDUAR 1,2&3 i.e. (from MANCIDECHU 1,2,4 (& 4000); 1,2,4 (& 4000); 1,2,4 (& 4000); 1,2,4 (& 4000); 1,3,4 (& 4000); 1,4 (& 4000); 1,5 (	0 0 130 WR-SR Max (MW) 105 321 -179	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (AH1) 0.78 6.24 -3.04
	State	XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER  NER	Line  OBLY MANGDECHIA ALIPURDUAR RECEIPI HEP 4°180MW) 1008V TALA-BINAGURI MALBASE - BINAGURI 1208V GHUKHA-BIRPA 1524V GELEPHU-SALAI 1524V MOTANGA-RANG	0 0 0 CHANGES Name MIPURDUAR 1,2&3 i.e. (from MANCIDECHU 1,2,4 (& 4000); 1,2,4 (& 4000); 1,2,4 (& 4000); 1,2,4 (& 4000); 1,3,4 (& 4000); 1,4 (& 4000); 1,5 (	0 0 130 WR-SR Max (MW) 105 321 -179 -27	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41  -5	0.0 0.0 0.0 146.6  Import Avg (MW)  33  260 -127 -17	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78 6.24 -3.04 -0.41
	State	IN Region ER ER ER NER NER	Line  GORV MANGDECHINA ALIPURDUAR RECEIPI HEP 4*180MW) JORGET ALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JORGET ALA-H ZORV CHUKHA-BIRRA JORGET ALA-H JORGE	0 0 0 CHANGES Name M.IPURDIAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400KV )) i.e. BINAGURI EP 6*170MW) KA 1&2 (& 220KV CATI AMW) CATI AMW) AR-TANAKPUR(NHPC)	0 0 130 WR-SR 130 WR-SR 140 150 165 165 179 16 178	0.0 0.0 2.4 20.6  Min (MW) -41 176 -41 -5 0	0.0 0.0 0.0 146.6  Import Avg (MW)  33  260 -127 -17	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78 6.24 -3.04 -0.41 0.09
	State BHUTAN	XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER  NER	Line  OBLY MANGDECHIA ALIPURDUAR RECEIPI HEP 4°180MW) 1008V TALA-BINAGURI MALBASE - BINAGURI 1208V GHUKHA-BIRPA 1524V GELEPHU-SALAI 1524V MOTANGA-RANG	0 0 0 CHANGES Name M.IPURDIAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400KV )) i.e. BINAGURI EP 6*170MW) KA 1&2 (& 220KV CATI AMW) CATI AMW) AR-TANAKPUR(NHPC)	0 0 130 WR-SR Max (MW) 105 321 -179 -27	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41  -5	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127 -17 4	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78 6.24 -3.04 -0.41
	State BHUTAN	IN Region ER ER ER NER NER NER	Line  GORY MANGDECHINA ALIPURDUAR RECEIPI HEF 4'189MW JOHN TALZ-BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI JOHN THE BINAGURI MALBASE BINAGURI JOHN THE BINAGURI	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 400kV ) Le. BINAGURI F 64 770MV A 1&2 (& 220kV A 1&2 (& 220kV A 1&3 Le. BINPARA RECEIPT AMW) AAR-TANAKPUR(NHPC) BIHAR)	0 0 130 WR-SR Max (MW) 105 321 -179 -27 16 -78	0.0 0.0 2.4 20.6  Min (MW)  -41  176  -41  -5  0  0	0.0 0.0 0.0 146.6  Import Avg (MW)  33  260  -127  -17  4  -68	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MIT) 0.78 6.24 -3.04 -0.41 0.09 -1.63
	State BHUTAN	IN Region ER ER ER NER NER	Line  GORV MANGDECHINA ALIPURDUAR RECEIPI HEP 4*180MW) JORGET ALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JORGET ALA-H ZORV CHUKHA-BIRRA JORGET ALA-H JORGE	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 400kV ) Le. BINAGURI F 64 770MV A 1&2 (& 220kV A 1&2 (& 220kV A 1&3 Le. BINPARA RECEIPT AMW) AAR-TANAKPUR(NHPC) BIHAR)	0 0 130 WR-SR 130 WR-SR 140 150 165 165 179 16 178	0.0 0.0 2.4 20.6  Min (MW) -41 176 -41 -5 0	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127 -17 4	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MII) 0.78 6.24 -3.04 -0.41 0.09
	State BHUTAN	IN Region ER ER ER NER NER NER	Line  GORY MANGDECHINA ALIPURDUAR RECEIPI HEF 4'189MW JOHN TALZ-BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI JOHN THE BINAGURI MALBASE BINAGURI JOHN THE BINAGURI	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 400kV ) Le. BINAGURI F 64 770MV A 1&2 (& 220kV A 1&2 (& 220kV A 1&3 Le. BINPARA RECEIPT AMW) AAR-TANAKPUR(NHPC) BIHAR)	0 0 130 WR-SR Max (MW) 105 321 -179 -27 16 -78	0.0 0.0 2.4 20.6  Min (MW)  -41  176  -41  -5  0  0	0.0 0.0 0.0 146.6  Import Avg (MW)  33  260  -127  -17  4  -68	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MIT) 0.78 6.24 -3.04 -0.41 0.09 -1.63
	State BHUTAN	IN Region ER ER ER NER NER NER	Line  GORY MANGDECHINA ALIPURDUAR RECEIPI HEF 4'189MW JOHN TALZ-BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BINAGURI JOHN THE BINAGURI MALBASE BINAGURI JOHN THE BINAGURI	0 0 CHANGES Name MLIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV )) i.e. BINAGURI FR 64:170MV) RA 1&2 (& 220kV ANTAGE 1,2 &	0 0 130 WR-SR Max (MW) 105 321 -179 -27 16 -78	0.0 0.0 2.4 20.6  Min (MW)  -41  176  -41  -5  0  0	0.0 0.0 0.0 146.6  Import Avg (MW)  33  260  -127  -17  4  -68	18.2 0.0 0.0 0.0 2.4 -125.9 +ve)/Export(-ve) Energy Exchange (MIT) 0.78 6.24 -3.04 -0.41 0.09 -1.63
	State BHUTAN	IN   Region   ER   ER   ER   ER     ER     ER     ER   ER     ER	Line  GORV MANGDECHINA ALIPURDUAR RECEIPI HEP 4*180MW) GORV TALA-BINAGURI MALBASE - BINAGURI 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU	0 0 CHANGES Name MLIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV )) i.e. BINAGURI FR 64:170MV) RA 1&2 (& 220kV ANTAGE 1,2 &	0 0 130 WR-SR WR-SR WR-SR 105 105 105 105 107 107 107 107 107 107 107 107 107 107	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41  -5  0  0 -62	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127 -17 4 -68 -84	18.2   0.0   0.0   2.4   -125.9   +ve)/Export(-ve)   Energy Exchange (MII)   0.78   6.24   -3.04   -0.41   0.09   -1.63   -2.02
R	State BHUTAN	IN   Region   IN   Region   ER   ER   ER   ER   Region   ER   ER   ER   ER   ER   ER   ER   E	Line  GORY MANGDECHINA ALIPURDUAR RECEIPI HEP 4*189MW) JORNALA-BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BIRPARA)  MALBASE BIRPARA)  132kV GELEPHU-SALAI  132kV MOTANGA-RANG  132kV MOTANGA-RANGA-RANG  132kV MOTANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RAN	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 4000KV ) le. BINAGURI PE 62 170MV KA 18.2 (& 220KV KA 18.2 (& 220KV KA 18.2 (& 220KV ) LATI JIA AR-TANAKPUR(NHPC) II BIHAR) IZAFFARPUR 1&2 C (B'DESH)	0 0 130 WR-SR WR-SR WR-SR 105 105 105 105 107 107 107 107 107 107 107 107 107 107	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41  -5 0 0 -62 -257 -829	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127 -17 4 -68 -84	18.2   0.0   0.78   0.78   0.24   0.41   0.09   0.163   0.09   0.163   0.202   0.10.23   0.2190   0.00
В	State  BHUTAN  NEPAL	IN   Region   ER   ER   ER   ER     ER     ER     ER   ER     ER	Line  GORV MANGDECHINA ALIPURDUAR RECEIPI HEP 4*180MW) GORV TALA-BINAGURI MALBASE - BINAGURI 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU	0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 4000KV ) le. BINAGURI PE 62 170MV KA 18.2 (& 220KV KA 18.2 (& 220KV KA 18.2 (& 220KV ) LATI JIA AR-TANAKPUR(NHPC) II BIHAR) IZAFFARPUR 1&2 C (B'DESH)	0 0 130 WR-SR 130 WR-SR 140 WR-SR 14	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41  -5  0  0 -62	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127 -17 4 -68 -84 -426	18.2   0.0   0.0   2.4   -125.9   +ve)/Export(-ve)   Energy Exchange (MII)   0.78   6.24   -3.04   -0.41   0.09   -1.63   -2.02
В	State  BHUTAN  NEPAL	IN Region  ER  ER  ER  NER  NER  NER  RE  LER  LER	Line  GORV MANGDECHINA ALIPURDUAR RECEIPI HEP 4'18MAW) GORV TALA-BINAGURI MALBASE BINAGURI MALBASE BIRPARA) 132kV GELEPHU-SALAH 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD 400kV GODDA_TPS-RAI	0 0 CHANGES Name LIPURDUR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 400kV ) i.e. BINAGURI T 64 77 MW 220kV AA CHANGBECHU	0 0 130 WR-SR WR-SR WR-SR 105 321 -179 -27 16 -78 -106 -535 -937 -568	0.0 0.0 2.4 20.6  Min (MW)  -41  176  -41  -5  0  0  -62  -257  -829	0.0 0.0 0.0 146.6  Import Avg (MW)  33  260 -127 -17  4  -68 -84 -426 -912	18.2   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.78   0.78   0.24   0.304   0.41   0.09   0.163   0.202   0.10.23   0.21.90   0.11.25   0.11.25   0.00
В	State  BHUTAN  NEPAL	IN   Region   IN   Region   ER   ER   ER   ER   Region   ER   ER   ER   ER   ER   ER   ER   E	Line  GORY MANGDECHINA ALIPURDUAR RECEIPI HEP 4*189MW) JORNALA-BINAGURI MALBASE BINAGURI MALBASE BINAGURI MALBASE BIRPARA)  MALBASE BIRPARA)  132kV GELEPHU-SALAI  132kV MOTANGA-RANG  132kV MOTANGA-RANGA-RANG  132kV MOTANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RANGA-RAN	0 0 CHANGES Name LIPURDUR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 400kV ) i.e. BINAGURI T 64 77 MW 220kV AA CHANGBECHU	0 0 130 WR-SR 130 WR-SR 140 WR-SR 14	0.0 0.0 2.4 20.6  Min (MW) -41  176 -41  -5 0 0 -62 -257 -829	0.0 0.0 0.0 146.6  Import Avg (MW) 33 260 -127 -17 4 -68 -84 -426	18.2   0.0   0.78   0.78   0.24   0.41   0.09   0.163   0.09   0.163   0.202   0.10.23   0.21.90