

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

दिनांक: 10th Oct 2020

Ref: POSOCO/NLDC/SO/Daily PSP Report

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., 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 09.10.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-अक्टूबर-2020 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 09th October 2020, is available at the NLDC website.

धन्यवाद.

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day A. Power Supply Position at All India and Regional level Date of Reporting: 10-Oct-2020 NR WR SR TOTAL ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 51582 50418 39433 22717 2938 167088 Peak Shortage (MW) Energy Met (MU) 775 1170 0 0 166 941 926 473 1184 56 3809 Hydro Gen (MU) 196 117 518 31 28.54 0.0 40 81.17 0.0 Wind Gen (MU) Solar Gen (MU)* Energy Shortage (MU) 4.09 0.9 55529 1.6 3035 0.0 2.4 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 51309 43368 22688 168618 Time Of Maximum Demand Met (From NLDC SCADA) 23:30 15:03 10:41 18:59 17:53 11:43 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	0.022	0.00	0.00	3.31	3.31	84.70	11.99	
C. Power Suppl	ly 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
		day(MW)	Demand(MW)	(MC)	(MU)	(MC)	(14144)	(MU)
	Punjab	7703	0	157.1	104.5	-2.0	138	0.0
	Haryana	7593	225	169.1	134.3	1.5	202	0.9

		Max.Demand	Shortage during	Elici gy Met	Diawai	OD(+)/OD(-)	Max OD	Ellergy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		day(MW)	Demand(MW)		(MU)			(MU)
	Punjab	7703	0	157.1	104.5	-2.0	138	0.0
	Haryana	7593	225	169.1	134.3	1.5	202	0.9
	Rajasthan	11719	0	249.1	76.5	0.7	364	0.0
	Delhi	4204	0	89.4	74.4	-1.8	115	0.0
NR	UP	19561	0	385.0	158.9	-2.6	271	0.0
	Uttarakhand	1841	0	37.9	21.5	-0.1	102	0.0
	HP	1447	0	30.2	13.8	0.3	89	0.0
	J&K(UT) & Ladakh(UT)	2669	0	48.6	29.6	4.0	508	0.0
	Chandigarh	214	0	4.2	4.2	0.0	16	0.0
	Chhattisgarh	3709	0	84.3	22.6	-0.6	219	0.0
	Gujarat	16745	0	372.2	71.4	2.4	391	0.0
	MP	10089	0	224.9	131.3	-3.2	183	0.0
WR	Maharashtra	20505	0	448.6	144.2	-1.6	687	0.0
	Goa	497	0	10.2	9.6	0.0	45	0.0
	DD	342	0	7.5	7.3	0.2	40	0.0
	DNH	786	0	18.4	18.5	-0.1	30	0.0
	AMNSIL	802	0	18.1	1.2	0.4	254	0.0
	Andhra Pradesh	8387	0	179.0	89.9	2.0	1038	0.0
	Telangana	8928	0	178.0	70.4	-0.8	428	0.0
SR	Karnataka	9923	0	185.9	72.1	0.4	447	0.0
	Kerala	3437	0	68.0	45.2	-0.1	235	0.0
	Tamil Nadu	13799	0	307.1	171.2	-3.3	543	0.0
	Puducherry	383	0	8.1	8.2	-0.1	30	0.0
	Bihar	5600	0	113.5	106.4	0.4	521	0.0
	DVC	3014	0	65.7	-54.9	0.6	272	0.0
	Jharkhand	1424	0	28.7	21.3	-1.3	129	0.0
ER	Odisha	4608	0	92.1	9.5	-0.7	307	0.0
	West Bengal	8330	0	171.6	51.8	1.8	517	0.0
	Sikkim	98	0	1.3	1.4	-0.1	23	0.0
	Arunachal Pradesh	125	1	2.1	2.0	0.1	64	0.0
	Assam	1924	111	35.8	31.6	0.8	202	1.5
	Manipur	202	2	2.8	2.5	0.4	47	0.0
NER	Meghalaya	344	0	5.9	0.1	0.2	44	0.0
	Mizoram	95	1	1.5	1.0	0.1	30	0.0
	Nagaland	127	1	2.5	2.3	0.0	15	0.0
	Tripura	303	1	5.4	6.6	0.5	61	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	38.0	-1.9	-25.3
Day Peak (MW)	1731.0	-228.4	-1088.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	306.4	-308.6	113.4	-113.7	5.6	3.1
Actual(MU)	315.5	-329.3	116.7	-116.9	9.0	-4.9
O/D/U/D(MU)	9.2	-20.8	3.4	-3.2	3.5	-8.0

F. Generation Outage(MW)						
	NR	WR	SR	ER	NER	TOTAL
Central Sector	5447	14027	9112	2945	638	32168
State Sector	11694	16005	12366	5457	112	45634
Total	17141	30031	21478	8402	751	77802

	NR	WR	SR	ER	NER	All India
Coal	549	1291	444	489	9	2782
Lignite	25	10	23	0	0	58
Hydro	196	55	117	125	24	518
Nuclear	27	21	69	0	0	116
Gas, Naptha & Diesel	26	96	15	0	19	156
RES (Wind, Solar, Biomass & Others)	53	60	154	4	0	272
Total	876	1533	821	619	52	3902
Share of RES in total generation (%)	6.07	3.92	18.80	0.67	0.23	6.97
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	31 51	8 84	41.40	20.04	46.70	23.21

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.043
Based on State Max Demands	1.076

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 10-Oct-2020

						Date of Reporting:	10-Oct-2020
Sl 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	1005	0.0	23.8	-23.8
2 HVDC 3 765 kV	PUSAULI B/B GAYA-VARANASI	2	0 12	297 550	0.0	7.2 7.5	-7.2 -7.5
4 765 kV	SASARAM-FATEHPUR	1	310	133	1.7	0.0	1.7
5 765 kV 6 400 kV	GAYA-BALIA PUSAULI-VARANASI	1	0	462 261	0.0	8.2 5.3	-8.2 -5.3
7 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	i	0	121	0.0	1.9	-3.3
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	548	0.0	8.5	-8.5
9 400 kV 10 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	4	0	710 356	0.0	12.5 5.9	-12.5 -5.9
11 400 kV	MOTIHARI-GORAKHPUR	2	Ŏ	314	0.0	5.5	-5.5
12 400 kV 13 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	2	182	141	0.4	0.0 2.6	0.4
14 132 kV	SONE NAGAR-RIHAND	i	0	133	0.0	0.0	-2.6 0.0
15 132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
16 132 kV 17 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
				ER-NR	2.4	88.9	-86.5
Import/Export of ER (
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4 2	646	0	6.1	0.0	6.1
2 765 kV 3 765 kV	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2	1207 166	82	16.5 0.8	0.0	16.5 0.8
4 400 kV	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	4	255	0	3.1	0.0	3.1
5 400 kV	RANCHI-SIPAT	2	416	0	3.9	0.0	3.9
6 220 kV	BUDHIPADAR-RAIGARH	1	0	131	0.0	2.2	-2.2
7 220 kV	BUDHIPADAR-KORBA	2	161	0	2.4	0.0	2.4
Innert/Free Corn	Wat CD)			ER-WR	32.8	2.2	30.5
Import/Export of ER (With SR) JEYPORE-GAZUWAKA B/B	2	0	477	0.0	9.9	-9.9
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1493	0.0	36.1	-36.1
3 765 kV	ANGUL-SRIKAKULAM	2	0	2201	0.0	42.6	-42.6
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	403	0	8.2 0.0	0.0	8.2 0.0
		•	•	ER-SR	0.0	88.6	-88.6
Import/Export of ER (2	0	<i>E</i> 2 0	0.0	0.0	
1 400 kV 2 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2	0	568 654	0.0	9.0 9.4	-9.0 -9.4
	ALIPURDUAR-SALAKATI	2	Ö	169	0.0	2.9	-2.9
Import/Export of NER	(With NR)			ER-NER	0.0	21.3	-21.3
	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.5	-14.5
				NER-NR	0.0	14.5	-14.5
Import/Export of WR 1 HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	60.8	-60.8
2 HVDC	VINDHYACHAL B/B	-	315	0	8.5	0.0	8.5
3 HVDC	MUNDRA-MOHINDERGARH	2	0	1737	0.0	36.9	-36.9
4 765 kV 5 765 kV	GWALIOR-AGRA PHAGI-GWALIOR	2 2	0	2608 1191	0.0	50.6 22.1	-50.6 -22.1
6 765 kV	JABALPUR-ORAI	2	Ŏ	1076	0.0	42.5	-42.5
7 765 kV 8 765 kV	GWALIOR-ORAI SATNA-ORAI	1	538	0	9.5	0.0	9.5
9 765 kV	CHITORGARH-BANASKANTHA	2	0	1364 655	0.0	29.4 9.5	-29.4 -9.5
10 400 kV	ZERDA-KANKROLI	1	14	109	0.0	1.2	-1.2
11 400 kV 12 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	971	206	0.0 22.5	3.1 0.0	-3.1 22.5
13 400 kV	RAPP-SHUJALPUR	2	0	382	0.0	7.3	-7.3
14 220 kV	BHANPURA-RANPUR	1	0	148	0.0	2.4	-2.4
15 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	11 113	0	0.0	2.2 0.1	-2.2 0.2
16 220 kV 17 220 kV		1	04	23	1.3	0.0	1.3
17 220 kV 18 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	64 0	0	1.3 0.0	0.0	0.0
17 220 kV	MALANPUR-AURAIYA	1 1 2			0.0	0.0 0.0	0.0 0.0
17 220 kV 18 132 kV 19 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 2	0	0 0 WR-NR	0.0 0.0 42.0	0.0 0.0 267.9	0.0 0.0 -225.9
17 220 kV 18 132 kV 19 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	1 2	0	0 0 WR-NR	0.0 0.0 42.0	0.0 0.0 267.9	0.0 0.0 -225.9
17 220 kV 18 132 kV 19 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 1 2 2	0	0 0 WR-NR	0.0 0.0 42.0	0.0 0.0 267.9 24.0 19.1	0.0 0.0 -225.9 -24.0 -19.1
17	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 2	0 0 0 0 510 0	0 0 WR-NR 1019 0 1643 1608	0.0 0.0 42.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5
17	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 2 2 2 2 2 2	0 0 0 510 0 543	0 0 WR-NR 1019 0 1643 1608 0	0.0 0.0 42.0 0.0 0.0 0.0 0.0 7.3	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3
17	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 2 2 2 2	0 0 0 0 510 0	0 0 WR-NR 1019 0 1643 1608	0.0 0.0 42.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5
17 220 kV 18 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 2 2 2 2 2 2 2 2	0 0 0 510 0 543	0 0 WR-NR 1019 0 1643 1608 0 0 0	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 7.3 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 0.0
17	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	- 1 2 2 2 2 2 2 2 2 1 1	0 0 0 510 0 543 0 0	0 WR-NR 1019 0 1643 1608 0 0 0 WR-SR	0.0 0.0 42.0 0.0 0.0 0.0 0.0 7.3 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0
17 220 kV 18 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 6 220 kV 8 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAL MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 2 2 2 2 2 1 1 1 INTER	0 0 0 510 0 543 0 0 0	0 WR-NR 1019 0 1643 1608 0 0 0 WR-SR	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 1.6 9.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.0 1.6 -73.2
17	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 2 2 2 2 2 2 2 1 1	0 0 0 510 0 533 0 0 0 0 0 NATIONAL EXCHAI	0 WR-NR 1019 0 1643 1608 0 0 0 WR-SR	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 7.3 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.0 1.6 -73.2
17 220 kV 18 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 6 220 kV 8 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION	- 1 2 2 2 2 2 2 2 2 1 1 1 INTER 400KV MANGDECHH	0 0 0 510 510 0 0 0 0 0 NATIONAL EXCHAI Name	0 0 WR-NR 1019 0 1643 1608 0 0 0 0 85 WR-SR	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW)	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 -0.0 0.0 -73.2 Energy Exchange
17 220 kV 18 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 6 220 kV 8 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAL MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI		0 0 0 510 0 510 0 543 0 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from	0 WR-NR 1019 0 1643 1608 0 0 0 WR-SR	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 1.6 9.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.0 1.6 -73.2
17 220 kV 18 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 6 220 kV 8 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHOR WARDHA-NIZAMABAD KOLHAPUR-KUDOI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region Region ER	1 2 2 2 2 2 2 2 1 1	0 0 0 510 0 510 0 544 0 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,24 (& 400kV)	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR NGES	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 7.3 0.0 1.6 9.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 82.1 Avg (MW)	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange
17 220 kV 18 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 6 220 kV 8 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION	1 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 WR-NR 1019 0 1643 1608 0 0 0 0 85 WR-SR	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW)	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 -0.0 0.0 -73.2 Energy Exchange
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION REGION ER ER	- 1 2 2 2 2 2 2 2 1 1 INTER INTER 400KY MANGDECHH Le ALIPURDUAR HEP 4 400KY TALA-BINAGU RECEIPT (from TALA RECEIPT (from TALA)	0 0 0 0 510 0 543 0 0 0 8 543 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,24 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR WGES Max (MW)	0.0 0.0 42.0 0.0 0.0 0.0 0.0 7.3 0.0 1.6 9.0 Min (MW)	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 82.1 Avg (MW)	0.0 0.0 225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.1 -16 -73.2 Energy Exchange (MII) 10.9
17 220 kV 18 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 6 220 kV 8 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHOR WARDHA-NIZAMABAD KOLHAPUR-KUDOI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region Region ER	1 2 2 2 2 2 2 2 2 2	0 0 0 510 0 510 0 543 0 0 0 NATIONAL EXCHA! Name 180MW) RI 1,24 (4 400 kV RI 1,6 4 10 kV RI 1,6 4 2 20 kV	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR NGES	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 7.3 0.0 1.6 9.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 82.1 Avg (MW)	0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDOT KOLHAPUR-KUDOT KOLHAPUR-KUDOT ROLHAPUR-KUDOT ROLHAPUR-MICHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	1 2 2 2 2 2 2 2 2 2	0 0 0 510 0 510 0 543 0 0 0 5443 0 0 0 NATIONAL EXCHA! Name "ISOMW) RI 1,24 (4400kV RI) i.e. BINAGURI HEP (6*1704W) PARA 1&2 (& 220kV	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR NGES Max (MW) 488	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 1.6 -73.2
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION REGION ER ER	1 2 2 2 2 2 2 2 2 2	0 0 0 510 0 510 0 543 0 0 0 5443 0 0 0 NATIONAL EXCHA! Name "ISOMW) RI 1,24 (4400kV RI) i.e. BINAGURI HEP (6*1704W) PARA 1&2 (& 220kV	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR WGES Max (MW)	0.0 0.0 42.0 0.0 0.0 0.0 0.0 7.3 0.0 1.6 9.0 Min (MW)	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 82.1 Avg (MW)	0.0 0.0 225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.1 -16 -73.2 Energy Exchange (MII) 10.9
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER	I 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER Line 400KY MANGDECHH Le ALIPURDUAR RE MANGDECHU HEP 4 400KY TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL RECEIPT (from CHUI 132KV-GEYLEGPHU 132KV-GEYLEGPHU	0 0 0 0 510 0 510 0 543 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1;2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KIHA HEP 4*84MW) - SALAKATI	0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR WGES Max (MW) 488 819	0.0 0.0 42.0 0.0 0.0 0.0 0.0 7.3 0.0 1.6 9.0 1.6 9.0 0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 0.0 452 738 288	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange (MID) 10.9 17.7
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDOT KOLHAPUR-KUDOT KOLHAPUR-KUDOT ROLHAPUR-KUDOT ROLHAPUR-MICHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	1 2 2 2 2 2 2 2 2 2	0 0 0 0 510 0 510 0 543 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1;2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KIHA HEP 4*84MW) - SALAKATI	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR NGES Max (MW) 488	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 1.6 -73.2
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WHS SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLIAPUR-RUINGI KOLIAPUR-KUINGI KOLIAPUR-KUINGI ROLIAPUR-KUINGI ROLIAPUR-MIMEWADI XELDEM-AMBEWADI REGION ER ER ER NER NER	1 2 2 2 2 2 2 2 1 1 1 INTER Line 400KV MANGDECHH ie. ALIPUNAR RE MANGDECHU HEP 4 400K YALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TALA 220KV CHUKHA-BIR MALBASE - BIRGAR RECEIPT (from TALA 210KV GEYLEGPHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi	0 0 0 0 0 510 0 543 0 0 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from e180MW) IRI 1,24 (& 400KV RI 1,24 (& 400KV RI 1,24 (& 400KV LI HEP (6-170MW) A) i.e. BIRPARA LIKEL (BIRPARA LIKHA HEP 4-8MW) - SALAKATI	0 0 WR-NR 1019 0 1643 1608 0 0 85 WR-SR NGES Max (MW) 488 819 314	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 -17.7 -1.1 -1.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER	I 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER Line 400KY MANGDECHH Le ALIPURDUAR RE MANGDECHU HEP 4 400KY TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL RECEIPT (from CHUI 132KV-GEYLEGPHU 132KV-GEYLEGPHU	0 0 0 0 0 510 0 5510 0 5543 0 0 0 NATIONAL EXCHAI Name 1800MU 1800MU 1800MU 1800MU 1800MU 1811,24 (4800kV 1811,25 (4800kV 1811,26 (4800kV 1811	0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR WGES Max (MW) 488 819	0.0 0.0 42.0 0.0 0.0 0.0 0.0 7.3 0.0 1.6 9.0 1.6 9.0 0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 0.0 452 738 288	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange (MID) 10.9 17.7
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WHS SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLIAPUR-RUINGI KOLIAPUR-KUINGI KOLIAPUR-KUINGI ROLIAPUR-KUINGI ROLIAPUR-MIMEWADI XELDEM-AMBEWADI REGION ER ER ER NER NER	I 1 2 2 2 2 2 2 2 2 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHH Le. ALIPURDUAR RE MANGDECHH LE. ALIPURDUAR RE JURY CHUKHA BIR MALBASE - BINAGU RECEIPT (from TALA RECEIPT (from TALA SINAGU RECEIPT (from TALA SINAGU RECEIPT (from TALA SINAGU RECEIPT (from TALA MALBASE - BINAGU RECEIPT (from TALA MALBASE - BINAGU RECEIPT (from TALA SINAGU RECEIPT (from TALA MALBASE - BINAGU RECEIPT (from TALA SINAGU RECEIPT (from TALA MALBASE - BINAGU RECEIPT (from CHU RECEIPT (from CHU RECEIPT (FROM CHUKHA BIR MALBASE - BINAGU RECEI	0 0 0 0 0 510 0 0 543 0 0 0 543 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from **180MW) IRI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 4220kV A) i.e. BIRPARA CHA HEP 4*84MW) - SALAKATI a HII) -	0 0 WR-NR 1019 0 1643 1608 0 0 85 WR-SR NGES Max (MW) 488 819 314	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 -17.7 -1.1 -1.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV Import/Export of WR t 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 440 kV 7 220 kV 8 220 kV State	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WHS SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLIAPUR-RUINGI KOLIAPUR-KUINGI KOLIAPUR-KUINGI ROLIAPUR-KUINGI ROLIAPUR-MIMEWADI XELDEM-AMBEWADI REGION ER ER ER NER NER	1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0 0 0 0 0 510 0 0 543 0 0 0 543 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from **180MW) IRI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 4220kV A) i.e. BIRPARA CHA HEP 4*84MW) - SALAKATI a HII) -	0 0 WR-NR 1019 0 1643 1608 0 0 85 WR-SR NGES Max (MW) 488 819 314	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 -17.7 -1.1 -1.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER ER NER NER	I 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 0 0 510 0 510 0 543 0 0 0 NATIONAL EXCHA! Name 180MW) 181 1,24 (8 400kV RI) i.e. BINAGURI HEP (6+170MW) 2-RA IA IZ (8 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a i.H.) - PG)	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR WGES Max (MW) 488 819 314 49 62	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 -1.0 -7.3.2 Energy Exchange (MII) 10.9 -17.7 -6.9 -1.1 -1.4 -0.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER ER NER NER	I 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 0 0 0 510 0 0 543 0 0 0 543 0 0 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from **180MW) IRI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 4220kV A) i.e. BIRPARA CHA HEP 4*84MW) - SALAKATI a HII) -	0 0 WR-NR 1019 0 1643 1608 0 0 0 85 WR-SR WGES Max (MW) 488 819 314 49 62	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 -1.0 -7.3.2 Energy Exchange (MII) 10.9 -17.7 -6.9 -1.1 -1.4 -0.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPTUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER FR NER NER NER	I 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 0 0 510 0 510 0 543 0 0 0 NATIONAL EXCHA! Name 180MW) 181 1,24 (8 400kV RI) i.e. BINAGURI HEP (6+170MW) 2-RA IA IZ (8 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a i.H.) - PG)	0	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48 -58	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 17.7 6.9 -1.1 -1.4 -0.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPTUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER FR NER NER NER	I 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 0 0 0 510 0 510 0 543 0 0 0 1 543 0 0 0 NATIONAL EXCHAI NA	0	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48 -58	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 7.3 0.0 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 17.7 6.9 -1.1 -1.4 -0.4
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER NER ER	I 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH Le ALIPURDUAR RE MANGDECHH LE ALIPURDUAR RECEIPT (from TALL STOWN TALA-BINAGU RECEIPT (from TALL STOWN CHUKHA-BIR MALBASE - BINAGU RECEIPT (from TALL STOWN CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV-TANAKPUR(NMAHENDRANAGARG) 132kV-BIHAR - NEP/ 220kV-MUZAFFARP BHERAMARA HVDC	0 0 0 0 510 0 510 0 1 543 0 0 0 NATIONAL EXCHAI NAME 0 0 0 NATIONAL EXCHAI NAME 0 0 0 NATIONAL EXCHAI NAME 0 0 NATIONAL EXCHAI NAME 0 0 NATIONAL EXCHAI NAME 0 1800MV RI 1,24 (& 400kV RI 1,24 (& 400kV RI 1,24 (& 400kV A) i.e. BINAGURI HEP (6*170MV) - SALAKATI a HH) - PG) AL UR - DHALKEBAR DC (BANGLADESH)	0 0 WR-NR 1019 0 1643 1668 0 0 0 85 WR-SR WGES Max (MW) 488 819 314 49 62 -48 -24	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48 -58 -18	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 0.0 1.6 -7.3.2 Energy Exchange (MII) 10.9 -1.1 -1.4 -0.4 -0.1
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER NER ER	1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 0 0 1 0 0 1 510 0 510 0 543 0 0 0 0 NATIONAL EXCHAI Name 120 120 120 120 120 120 120 120 120 120	0 0 WR-NR 1019 0 1643 1668 0 0 0 85 WR-SR WGES Max (MW) 488 819 314 49 62 -48 -24	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48 -58 -18	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 0.0 1.6 -7.3.2 Energy Exchange (MII) 10.9 -1.1 -1.4 -0.4 -0.1
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV State BHUTAN NEPAL	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) HADRAWATI B/B RAIGARH-PUGALUR SOLAPTR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER NER ER ER ER	1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1	0 0 0 0 1 0 0 510 0 5510 0 543 0 0 0 0 NATIONAL EXCHAI Name 0 0 0 NATIONAL EXCHAI Name 1800MU	0	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48 -58 -18 -57 -925	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 -17.7 -1.4 -0.4 -0.1 -1.4 -22.2
17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV State BHUTAN NEPAL	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) HADRAWATI B/B RAIGARH-PUGALUR SOLAPTR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER NER ER ER ER	1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 0 0 0 510 0 0 510 0 0 543 0 0 0 0 NATIONAL EXCHAI NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from = 180MW) RI 1,24 (& 400kV RI	0	0.0 0.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 267.9 24.0 19.1 14.7 24.5 0.0 0.0 0.0 0.0 82.1 Avg (MW) 452 738 288 -48 -58 -18 -57 -925	0.0 0.0 0.0 -225.9 -24.0 -19.1 -14.7 -24.5 -7.3 0.0 0.0 1.6 -73.2 Energy Exchange (MII) 10.9 -17.7 -1.4 -0.4 -0.1 -1.4 -22.2