

## **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: 27<sup>th</sup> July 2021

To,

- 1. कार्यकारी निदेशक, पु.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. प्. 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 26.07.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक २६-जुलाई-२०२१ 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 26<sup>th</sup> July 2021, 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: 27-Jul-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 63617 Peak Shortage (MW) 820 820 Energy Met (MU) 1462 1060 911 521 59 4012 Hydro Gen (MU) 377 127 123 30 685 Wind Gen (MU) Solar Gen (MU)\* 219 492 4.23 0.21 19.64 96.58 45.11 166 3.56 Energy Shortage (MU) 3.49 0.00 0.00 0.00 0.07 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 66730 46745 42425 24549 3045 179088 Time Of Maximum Demand Met (From NLDC SCADA) 09:55 20:44 B. Frequency Profile (%) < 49.7 49.7 - 49.8 49.8 - 49.9 49.9 - 50.05 < 49.9 > 50.05 Region All India 0.032 0.00 78.42 C. Power Supply Position in States Max.Demand Energy Met )D(+)/UD(-Shortage during Drawal Max OD Energy Region States Met during the maximu Schedule (MU) (MU) (MW) (MU) dav(MW) Demand(MW) (MU) 276.6 Punjab 11820 -1.0 Haryana 9628 211.3 180.5 0.7 368 0.04 Rajasthan 11724 253.7 -3.3 71.6 88 0.00 5854 23577 Delhi 123.7 110.4 143 NR 475.8 UP 0 223.3 -1.0 426 0.00 Uttarakhand 1994 16.5 1505 2319 -6.8 18.6 нР 0 28.9 -3.4 0.00 J&K(UT) & Ladakh(UT) 250 43.0 257 3.45 -0.9 Chandigarh 305 0.0 0.00 95.8 50.1 Chhattisgarh 4064 0 -0.7 262 0.00 Gujarat 13653 299.6 115.7 0.00 MP 8905 198.9 105.5 -1.8 441 0.00 wr Maharashtra 18944 124.1 583 408.2 0.00 -4.0 Goa 572 313 0 11.9 10.9 0.4 33 0.00 DD 0 6.8 6.7 0.1 25 0.00DNH 833 19.0 19.0 0.00 AMNSIL 881 19.4 6.8 -0.1 320 0.00 Andhra Pradesh 8291 175.8 -0.1 0.00 Telangana 9676 194.4 -0.1 400 0.00 SR 7642 5.0 0 149.1 0.3 1663 Karnataka 0.00 Kerala Tamil Nadu 129.0 14319 315.2 -0.8 501 0.00 Puducherry 401 6751 3048 Bihar 0 133.4 125.8 1.3 575 0.00 DVC -39.7 -0.4 246 0.0065.1 Jharkhand 1643 31.1 27.0 0.00 ER Odisha 6008 115.4 40.6 -0.2 465 0.00 West Bengal 8400 174.6 Sikkim 89 1.4 0.6 0.7 0.00 Arunachal Pradesh 123 0 2.2 2.2 0.0 0.01 Assam 2001 0 38.7 32.2 0.4 191 0.00 Manipur 192 0 2.6 2.4 0.2 41 0.01 NER Meghalaya 1.6 Mizoram 103 0 1.6 1.5 -0.1 16 0.01 0.01 **Nagaland** 131 -0.2 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan Nepal Bangladesh -22.2 Actual (MU) Day Peak (MW) -210.0 -961.0 E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	386.9	-277.8	-18.3	-86.7	-4.2	0.0
Actual(MU)	383,3	-292.4	-17.5	-78.1	-3.3	-8.0
O/D/U/D(MU)	-3.6	-14.7	0.8	8.6	0.9	-8.0

### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7692	15675	9692	660	259	33977	41
State Sector	9865	22095	11308	5420	47	48735	59
Total	17557	37770	21000	6080	305	82712	100
,	1,00,	01110	21000	0000		02/12	100

## G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	553	1033	384	492	11	2473	60
Lignite	17	10	39	0	0	66	2
Hydro	377	27	127	123	30	685	17
Nuclear	26	33	42	0	0	100	2
Gas, Naptha & Diesel	23	25	11	0	27	85	2
RES (Wind, Solar, Biomass & Others)	121	239	339	4	0	703	17
Total	1117	1367	942	620	67	4113	100
							1
Share of RES in total generation (%)	10.82	17.15	35.97	0.68	0.31	16.98	
Share of Non-foscil fuel (Hydro Nuclear and DES) in total generation(%)	46.01	21.54	52.02	20.50	44.26	26 10	

# H. All India Demand Diversity Factor

Dased on Regional Wax Demands	1.025
Based on State Max Demands	1.059

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

Import=(+ve) /Export =(-ve) for NET (MU)

							Date of Reporting:	27-Jul-2021
Sl Vol	oltage Level	Line Details	No. of Circuit	Max Import (MW)	May Evport (MW)	Import (MU)	Export (MU)	NET (MU)
	xport of ER (V		110. or Circuit	Max Import (MW)	wax Export (WW)	Import (WC)		HEI (MC)
		ALIPURDUAR-AGRA	2	0	2301	0.0	35.8	-35.8
2	HVDC	PUSAULI B/B	-	Ü	245	0.0	6.2	-6.2
		GAYA-VARANASI	2	0	692	0.0	9.7	-9.7
		SASARAM-FATEHPUR GAYA-BALIA	1	370 0	0 659	3.8 0.0	10.9	3.8 -10.9
		PUSAULI-VARANASI	i	0	234	0.0	4.9	-4.9
7	400 kV	PUSAULI -ALLAHABAD	i	Ü	88	0.0	1.1	-1.1
		MUZAFFARPUR-GORAKHPUR	2	0	547	0.0	7.7	-7.7
		PATNA-BALIA	4	0	980	0.0	15.1 2.7	-15.1
		BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	184 349	0.0	5.2	-2.7 -5.2
		BIHARSHARIFF-VARANASI	2	55	191	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	1	0	162	0.0	2.9	-2.9
		SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
		GARWAH-RIHAND	1	20	0	0.7	0.0	0.7
		KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
	10211	TELEVISION CONTRACTOR			ER-NR	4.5	103.3	-98.9
Import/Ex	xport of ER (V					***		
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	894	186	5.6	0.0	5.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2130	0	36.8	0.0	36.8
3	765 kV	JHARSUGUDA-DURG	2	515	0	6.5	0.0	6.5
4	400 kV	JHARSUGUDA-RAIGARH	4	262	115	1.7	0.0	1.7
5	400 kV	RANCHI-SIPAT	2	580	0	9.4	0.0	9.4
6	220 kV	BUDHIPADAR-RAIGARH	1	12	91	0.0	0.9	-0.9
		BUDHIPADAR-KORBA	2	170	0	2.5	0.0	2.5
					ER-WR	62.4	0.9	61.5
	xport of ER (V							
	HVDC	JEYPORE-GAZUWAKA B/B	2	303	392	3.7	0.0 32.5	3.7
		TALCHER-KOLAR BIPOLE	2 2	0	1344 2181	0.0	32.5 31.7	-32.5 -31.7
		ANGUL-SRIKAKULAM TALCHER-I/C	2	71	594	0.0	5.2	-51.7
		BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	3.7	64.2	-60.5
	xport of ER (V			-				
		BINAGURI-BONGAIGAON	2	0	487	0.0	6.4	-6.4
		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	36 0	341 126	0.0	3.4	-3.4 -2.2
3	220 K V	ALII UKDUAK-SALAKATI	4	U	ER-NER	0.0	12.0	-12.0
Import/Ex	xport of NER	(With NR)				010		1210
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	16.9	-16.9
I		West ND			NER-NR	0.0	16.9	-16.9
	xport of WR ( HVDC	CHAMPA-KURUKSHETRA	2	1 0	5027	0.0	84.2	-84.2
	HVDC	VINDHYACHAL B/B		244	5037 254	0.0 1.9	2.7	-84.2
		MUNDRA-MOHINDERGARH	2	0	1915	0.0	31.4	-31.4
		GWALIOR-AGRA	2	0	3401	0.0	65.0	-65.0
		GWALIOR-PHAGI	2	0	1515	0.0	26.4	-26.4
		JABALPUR-ORAI	2	0	1240	0.0	47.0	-47.0
		GWALIOR-ORAI	1	783	1454	13.8	0.0 30.7	13.8
		SATNA-ORAI BANASKANTHA-CHITORGARH	2	0	1454 1077	0.0	17.6	-30.7 -17.6
		ZERDA-KANKROLI	í	36	101	0.0	1.0	-1.0
	400 kV	ZERDA -BHINMAL	1	266	0	3.1	0.0	3.1
12	400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	266 970	0	3.1 22.2	0.0 0.0	3.1 22.2
12 13	400 kV 400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2	266 970 0	0 0 538	3.1 22.2 0.0	0.0 0.0 9.1	3.1 22.2 -9.1
12 13 14	400 kV 400 kV 400 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	2	266 970 0	0 0 538 157	3.1 22.2 0.0 0.0	0.0 0.0 9.1 3.2	3.1 22.2 -9.1 -3.2
12 13 14 15	400 kV 400 kV 400 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	2 1 1	266 970 0 0	0 0 538 157 30	3.1 22.2 0.0 0.0 0.0	0.0 0.0 9.1	3.1 22.2 -9.1 -3.2 -2.9
12 13 14 15 16	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2	266 970 0 0 0 80	0 0 538 157	3.1 22.2 0.0 0.0 0.0 0.1	0.0 0.0 9.1 3.2 2.9	3.1 22.2 -9.1 -3.2 -2.9 -0.3
12 13 14 15 16 17 18	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	2 1 1 1 1 1 1	266 970 0 0 0 80 40	0 0 538 157 30 16 49	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 0.6 0.0
12 13 14 15 16 17 18	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	2 1 1 1 1	266 970 0 0 0 80 40	0 0 538 157 30 16 49 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 0.6 0.0
12 13 14 15 16 17 18 19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	2 1 1 1 1 1 1	266 970 0 0 0 80 40	0 0 538 157 30 16 49	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 0.6 0.0
12 13 14 15 16 17 18 19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	2 1 1 1 1 1 1	266 970 0 0 0 80 40	0 0 538 157 30 16 49 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 0.6 0.0
12 13 14 15 16 17 18 19 Import/Ex	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 400 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	2 1 1 1 1 1 1	266 970 0 0 0 80 40 0	0 0 538 157 30 16 49 0 WR-NR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 321.6	3.1 22.2 -9.1 -3.2 -2.9 -0.3 0.6 0.0 0.0
12 13 14 15 16 17 18 19 Import/Ex 1 2 3	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 400 kV 132 kV 132 kV 142 kV 143 kV 144 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJCHUR	2 1 1 1 1 1 1 2	266 970 0 0 0 0 80 40 0	0 0 5.38 157 30 16 49 0 0 WR-NR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 321.6	3.1 22.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -280.0
12 13 14 15 16 17 18 19 Import/Ex 1 2 3	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 440 kV 140 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 1 1 1 2 2	266 970 0 0 0 80 40 0 0 598 1118 1615 0	0 0 538 157 30 16 49 0 WR-NR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -280.0 -14.6 -19.8 -14.6 -20.3
12 13 14 15 16 17 18 19 Import/Ex 1 2 3 4	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 170 kV 170 kV 170 kV 170 kV 170 kV 170 kV 170 kV 170 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 1 1 1 2	266 970 0 0 0 80 40 0 0 598 1118 1615 0 1294	0 0 538 157 30 16 49 0 0 WR-NR 0 700 1959 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6	3.1 22.2 9.1 3.2 2.9 -0.3 0.6 0.0 0.0 -280.0 14.6 -20.3 19.1
12   13   14   15   16   17   18   19   1   1   2   3   4   5   6   6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA- RANPUR BHANPURA- RANPUR BHANPURA- MORAK MEHGAON-AURAHYA MALANPURA- URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 1 1 1 1 1 1 2 2	266 970 0 0 0 80 40 0 598 1118 1615 0 1294	0 0 5.38 157 30 16 49 0 0 WR-NR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0 14.6 19.8 -20.3 -19.1 -20.3
12   13   14   15   16   17   18   19   Import/Ex   1   2   3   4   5   6   7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 400 tV 400 kV 400 kV 400 kV 400 kV 400 kV 4220 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 1 1 1 2 2	266 970 0 0 0 80 40 0 0 598 1118 1615 0 1294	0 0 538 157 30 16 49 0 0 WR-NR 0 700 1959 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6	3.1 22.2 9.1 3.2 -2.9 -0.3 0.6 0.0 -280.0 14.6 -20.3 19.1
12   13   14   15   16   17   18   19   Import/Ex   1   2   3   4   5   6   7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 400 tV 400 kV 400 kV 400 kV 400 kV 400 kV 4220 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2	266 970 0 0 0 80 80 40 0 0 1118 1615 0 1294 0 0	0 0 538 157 30 16 49 0 WR-NR 0 0 700 1959 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0 14.6 -20.3 19.1 0.0
12   13   14   15   16   17   18   19   Import/Ex   1   2   3   4   5   6   7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 400 tV 400 kV 400 kV 400 kV 400 kV 400 kV 4220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2	266 970 0 0 0 80 40 0 598 1118 1615 0 1294 0 0 0	0 0 5.38 157 30 16 49 0 WR-NR 0 0 700 1959 0 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 0.0 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -280.0 -14.6 -19.8 -20.3 -19.1 -0.0 -0.0
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 150 kV 15	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WANGAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX	266 970 0 0 0 80 80 40 0 0 598 1118 1615 0 1294 0 0 0 CCHANGES	0 0 1538 157 30 16 49 0 WR-NR 0 0 WR-NR 0 1959 0 0 81	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0 14.6 14.6 -20.3 19.1 19.
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 400 tV 400 kV 400 kV 400 kV 400 kV 400 kV 4220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2	266   970   0   0   0   80   40   0   0   598   1118   1615   0   1294   0   0	0 0 5.38 157 30 16 49 0 WR-NR 0 0 700 1959 0 0	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 0.0 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -280.0 -14.6 -20.3 -19.1 -20.3 -19.1 -20.3 -49.4 +ve)/Export(-ve)
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 150 kV 15	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WHISH BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RALUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 TERNATIONAL EX 400KV MANGDECHE	266 970 0 0 0 0 80 40 0 0 598 1118 0 11294 0 0 0 CCHANGES Name	0 0 10 538 157 30 16 49 0 WR-NR 0 0 700 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0 -280.0 -280.0 -14.6 -19.8 -14.6 -20.3 -19.1 -0.0 -0.0 -1.5 -49.4 -+ve)/Export(-ve)
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 150 kV 15	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WANGAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400KV MANGDECHE 400KV MANG	266 970 0 0 0 0 80 80 40 0 0 1118 1615 0 1294 0 0 CCHANGES Name	0 0 1538 157 30 16 49 0 WR-NR 0 0 WR-NR 0 1959 0 0 81	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 19.8 14.6 -20.3 19.1 -0.0 -0.0 -1.5 49.4 -+ve)/Export(-ve) Energy Exchange
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 150 kV 15	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SIT BIT BIT BIT BIT BIT BIT BIT BIT BIT B	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4008V MANGPERNE 4008V MANGPERNE 4008V MANGPERNE	266 970 0 0 0 0 80 80 40 0 0 1118 1615 0 1224 0 0 0 CCHANGES Name U-ALIPURDUAR AR RECEIPT (from 4*180MW)	0 0 1538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0 19.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.1 22.2 9.1 3.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0  14.6 -20.3 19.1 0.0 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII)
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WHISH BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RALUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHE 1,2A3 ic ALIPU REP 400kV ASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG	266   970   0   0   0   80   40   0   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 10 538 157 30 16 49 0 WR-NR 0 0 700 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0 -280.0 -280.0 -14.6 -19.8 -14.6 -20.3 -19.1 -0.0 -0.0 -1.5 -49.4 -+ve)/Export(-ve)
12   13   14   15   16   17   18   19   1   1   2   3   4   5   5   6   7   8   8   19   10   10   10   10   10   10   10	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SIT BIT BIT BIT BIT BIT BIT BIT BIT BIT B	2 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 4 00kV MANGECHE 4,02k3 ie. ALIPURDU 400kV MANGECHE 4,02k3 ie. ALIPURDU 40kW TELLA BERGEL 40kW TELLA BE	266 970 0 0 0 0 80 80 40 0 0 598 1118 1615 0 1224 0 0 0 CCHANGES Name AR RECEIPT (from 49180MW) (IRI 1,2.4 (& 400kV) (IRI 1,2.4 (& 400k	0 0 1538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0 19.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.1 22.2 9.1 3.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0  14.6 -20.3 19.1 0.0 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII)
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SIT BIT BIT BIT BIT BIT BIT BIT BIT BIT B	2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 4 0 1 1 1 1 2 2 2 2 2 2 4 0 1 1 1 2 2 2 2 2 2 2 2 2 2 4 1 2 2 2 2 2	266 970 0 0 0 0 80 80 40 0 0 1118 1615 0 1224 0 0 0 CCHANGES Name UL-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1):e, BINAGURI AHEP (6*170MW) PARA IAE2 (& 220kV	0 0 1538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0 19.1	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.1 22.2 9.1 3.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0  14.6 -20.3 19.1 0.0 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII)
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAU KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1  TERNATIONAL EX  TERNATIONAL EX  Line 400kV MANGDECHH 1,28A3 Le ALIPU RHP 400kV MANGDECHH 1,28A3 Le ALIPU RHP 400kV MANGDECHH 1,28A3 LE ALIPU RHP 400kV BASE - BINAGG 40	266 970 0 0 0 0 80 80 40 0 0 1118 1615 0 1224 0 0 0 CCHANGES Name UL-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1):e, BINAGURI AHEP (6*170MW) PARA IAE2 (& 220kV	0 0 1538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 0.0 0.0 15.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3 0.0 0.0 0.0  Avg (MW) 625	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 19.8 14.6 -20.3 19.1 -0.0 -1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WARAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER  ER  ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1	266   970   0   0   0   0   80   40   0   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 10 538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0 19.1 0.0 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 3.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0 14.6 -20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0 12.9 6.9
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAU KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 4 0 1 1 1 1 2 2 2 2 2 2 4 0 1 1 1 2 2 2 2 2 2 2 2 2 2 4 1 2 2 2 2 2	266   970   0   0   0   0   80   40   0   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 1538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 0.0 0.0 15.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3 0.0 0.0 0.0  Avg (MW) 625	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 19.8 14.6 -20.3 19.1 -0.0 -1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2	266   970   0   0   0   0   80   440   0   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 1538 157 30 16 49 0 WR-NR 0 0 WR-NR 0 0 1959 0 0 81 WR-SR  Max (MW) 655	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7  14.6 19.8 14.6 0.0 19.1 0.0 0.0  1.5 69.6  Min (MW)  0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3  Imports  Avg (MW)  625  539	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 19.8 14.6 -20.3 19.1 -0.0 -1.5 49.4 +ve)/Export(-ve) Energy Exchange (MU) 15.0  12.9  6.9
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WARAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER  ER  ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1	266   970   0   0   0   0   80   440   0   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 10 538 157 30 16 49 0 WR-NR 0 0 1959 0 0 81 WR-SR	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 0.0 19.1 0.0 0.0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 3.2 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0 14.6 -20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0 12.9 6.9
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER	2 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 3  TERNATIONAL EX Line 400kV MARJEURIU 400kV MARJEURIU 400kV MARJEURIU 400kV MARJEURIU 400kV MARJEURIU 10 11 12 12 12 13 11 11 11 11 11 12 12 13 14 14 15 15 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	266   970   0   0   0   80   40   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 1538 157 30 16 49 0 WR-NR 0 0 WR-NR 0 0 1959 0 0 81 WR-SR  Max (MW) 655	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7  14.6 19.8 14.6 0.0 19.1 0.0 0.0  1.5 69.6  Min (MW)  0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3  Imports  Avg (MW)  625  539	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 19.8 14.6 -20.3 19.1 -0.0 -1.5 49.4 +ve)/Export(-ve) Energy Exchange (MU) 15.0  12.9  6.9
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 306KY MANGDECHU HEPU MANGDECHU HEPU MORAY BASE - BINNAG MORY BASE - BINNAG MALBASE - BINNAG MALBASE - BINPAR MALBASE - BI	266   970   0   0   0   80   40   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 1538 157 30 16 49 0 WR-NR 0 0 WR-NR 0 0 1959 0 0 81 WR-SR  Max (MW) 655	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7  14.6 19.8 14.6 0.0 19.1 0.0 0.0  1.5 69.6  Min (MW)  0	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6  0.0 0.0 0.0 0.0 20.3  Imports  Avg (MW)  625  539	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 19.8 14.6 -20.3 19.1 -0.0 -1.5 49.4 +ve)/Export(-ve) Energy Exchange (MU) 15.0  12.9  6.9
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WARAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER	2 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 3  TERNATIONAL EX Line 400kV MARJEURIU 400kV MARJEURIU 400kV MARJEURIU 400kV MARJEURIU 400kV MARJEURIU 10 11 12 12 12 13 11 11 11 11 11 12 12 13 14 14 15 15 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	266   970   0   0   0   80   40   0   598   1118   1615   0   1294   0   0   0   0   0   0   0   0   0   0	0 0 10 538 157 30 16 49 0 WR-NR 0 0 0 WR-NR 0 1959 0 0 81 WR-SR  Max (MW) 655	3.1 22.2 0.0 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 19.1 0.0 15.5 69.6  Min (MW)  0 524	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 20.3 Imports Avg (MW) 625 539	3.1 22.2 9.1 9.1 3.2 -2.9 -0.3 0.6 0.0 0.0 -280.0 14.6 -20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0  12.9 6.9 0.5
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-MBEWADI  ER  ER  ER  ER  NER  NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1	266 970 0 0 0 0 80 40 0 40 0 598 41118 1615 0 1224 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 49180MW) USH 12.4 (8 4004V   RH) i.e. BINAGURI AHEP (6°170MW) PARA 18.2 (8 2208V   A) i.e. BINPARA (8 KIA HEP 4°84MW) LAKATI ANGIA	0 0 10 1538 157 30 16 49 0 WR-NR 0 0 700 1959 0 81 WR-SR  Max (MW) 655 546 317 26 58	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7  14.6 19.8 14.6 0.0 19.1 0.0 1.5 69.6  Min (MW)  0  524	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 20.3 Importe  Avg (MW) 625 539 287 22 46	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 -19.8 -14.6 -20.3 -19.1 -0.0 -1.5 -1.1 -1.1
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WARAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 306KY MANGDECHU HEPU MANGDECHU HEPU MORAY BASE - BINNAG MORY BASE - BINNAG MALBASE - BINNAG MALBASE - BINPAR MALBASE - BI	266 970 0 0 0 0 80 40 0 40 0 598 41118 1615 0 1224 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 49180MW) USH 12.4 (8 4004V   RH) i.e. BINAGURI AHEP (6°170MW) PARA 18.2 (8 2208V   A) i.e. BINPARA (8 KIA HEP 4°84MW) LAKATI ANGIA	0 0 10 538 157 30 16 49 0 WR-NR 0 0 0 WR-NR 0 1959 0 0 81 WR-SR  Max (MW) 655	3.1 22.2 0.0 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 19.1 0.0 15.5 69.6  Min (MW)  0 524	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 0.0 20.3 Imports Avg (MW) 625 539	3.1 22.2 9.1 3.2 9.1 3.2 2.9 0.3 0.6 0.0 0.0 0.0 14.6 20.3 19.8 14.6 20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0 12.9 6.9 0.5
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WANGAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRIPPER SHARMAN SHARMA	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4084 V MANGDECHH 4084 NA ALGALIPURBU MANGDECHH HEP- 400K Y TALA BINAGI MALBASE - BINAG	266   970   0   0   0   0   0   0   0   0   0	0 0 10 1538 157 30 16 49 0 WR-NR 0 0 700 1959 0 81 WR-SR  Max (MW) 655 546 317 26 58	3.1 22.2 0.0 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 19.1 0.0 15.5 99.6  Min (MW)	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 -9.1 -3.2 -9.1 -3.2 -2.9 -0.3 -0.6 -0.0 -0.0 -280.0  14.6 -19.8 -14.6 -20.3 -19.1 -0.0 -1.5 -1.1 -1.1
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-MBEWADI  ER  ER  ER  ER  NER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4084 V MANGDECHH 4084 NA ALGALIPURBU MANGDECHH HEP- 400K Y TALA BINAGI MALBASE - BINAG	266 970 0 0 0 0 80 40 0 40 0 598 41118 1615 0 1224 0 0 0 CCHANGES Name RU-ALIPURDUAR AR RECEIPT (from 49180MW) USH 12.4 (8 4004V   RH) i.e. BINAGURI AHEP (6°170MW) PARA 18.2 (8 2208V   A) i.e. BINPARA (8 KIA HEP 4°84MW) LAKATI ANGIA	0 0 10 1538 157 30 16 49 0 WR-NR 0 0 700 1959 0 81 WR-SR  Max (MW) 655 546 317 26 58	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7  14.6 19.8 14.6 0.0 19.1 0.0 1.5 69.6  Min (MW)  0  524	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 20.3 Importe  Avg (MW) 625 539 287 22 46	3.1 22.2 2.1 2.1 3.2 3.2 3.1 3.2 2.9 0.3 0.6 0.0 0.0 0.0 280.0 14.6 19.8 14.6 20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0 12.9 6.9 0.5
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WANGAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRIPPER SHARMAN SHARMA	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4084 V MANGDECHH 4084 NA ALGALIPURBU MANGDECHH HEP- 400K Y TALA BINAGI MALBASE - BINAG	266   970   0   0   0   0   0   0   0   0   0	0 0 10 1538 157 30 16 49 0 WR-NR  0 0 WR-NR  0 1959 0 0 81 WR-SR  Max (MW)  655  546  317  26 58	3.1 22.2 0.0 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 19.1 0.0 15.5 99.6  Min (MW)	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 9.1 3.2 -2.9 0.3 0.6 0.0 0.0 0.0 14.6 19.8 14.6 -20.3 19.1 0.0 1.5 49.4 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0  12.9  6.9  0.5
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WANGAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRIPPER SHARMAN SHARMA	2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1	266   970   0   0   0   0   0   0   0   0   0	0 0 10 1538 157 30 16 49 0 WR-NR  0 0 WR-NR  0 1959 0 0 81 WR-SR  Max (MW)  655  546  317  26 58	3.1 22.2 0.0 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 19.1 0.0 15.5 99.6  Min (MW)	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 9.1 3.2 2.9 0.3 0.6 0.0 0.0 0.0 14.6 19.8 14.6 20.3 19.1 0.0 1.5 19.1 15.0 12.9 6.9 6.9 6.9
12   13   14   15   16   17   18   19   18   19   19   19   19   19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region ER  ER  ER  NER  NER  NER  NER  NER  ER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1	266   970   0   0   0   0   0   0   0   0   0	0 0 1538 157 30 16 49 0 WR-NR 0 0 1700 1959 0 0 81 WR-SR  Max (MW) 655 546 317 26 58 -73	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 41.6 19.8 14.6 0.0 19.1 0.0 1.5 69.6  Min (MW)  0 524  0 -9	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 20.3 Importi  Avg (MW) 625 539 287 22 46 -44 -46 -46	3.1 22.2 2.1 3.1 3.2 3.2 3.2 3.2 3.2 3.3 0.6 0.0 0.0 0.0 280.0 14.6 19.8 14.6 20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0 12.9 6.9 0.5 1.1
12     13   14   15   16   17   18   19     18   19     19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 142 kV 142 kV 142 kV 143 kV 144 kV 145 kV 14	ZERDA BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WANGAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-BHANPUR WIth SR) BHADRAWATI B/B RAIGHAF-UGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER  ER  ER  ER  ER  ER  E	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2	266   970   0   0   0   0   0   0   0   0   0	0 0 10 1538 1538 157 30 16 49 0 WR-NR  0 0 WR-NR  0 0 1959 0 0 81 WR-SR  Max (MW)  655 546 317 26 58 -73 -77	3.1 22.2 0.0 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 14.6 19.8 14.6 0.0 19.1 0.0 19.1 0.0 15.5 69.6  Min (MW)	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.1 22.2 9.1 3.2 9.1 3.2 2.9 0.3 0.6 0.0 0.0 0.0 14.6 19.8 14.6 20.3 19.1 0.0 1.5 14.6 19.8 14.6 19.8 14.6 19.8 14.6 19.8 14.6 19.8 14.6 19.8 11.1 15.0 12.9 6.9 0.5 1.1 -1.1
12     13   14   15   16   17   18   19     18   19     19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 400 kV 40	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region ER  ER  ER  NER  NER  NER  NER  NER  ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1	266   970   0   0   0   0   0   0   0   0   0	0 0 1538 157 30 16 49 0 WR-NR 0 0 1700 1959 0 0 81 WR-SR  Max (MW) 655 546 317 26 58 -73	3.1 22.2 0.0 0.0 0.0 0.0 0.1 0.6 0.0 0.0 41.7 41.6 19.8 14.6 0.0 19.1 0.0 1.5 69.6  Min (MW)  0 524  0 -9	0.0 0.0 9.1 3.2 2.9 0.4 0.0 0.0 0.0 0.0 321.6 0.0 0.0 0.0 20.3 0.0 0.0 0.0 20.3 Importi  Avg (MW) 625 539 287 22 46 -44 -46 -46	3.1 22.2 2.1 2.1 2.1 2.2 2.1 2.1 2.1 2.2 2.9 2.3 0.6 0.0 0.0 0.0 280.0  14.6 20.3 19.1 0.0 1.5 49.4 +ve)/Export(-ve) Energy Exchange (MII) 15.0  12.9  6.9  0.5  1.1 -1.1