

## 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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 4<sup>th</sup> June 2022

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. कार्यकारी निदेशक, प क्षे भा प्रे के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 03.06.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-जून-2022 की अखिल भारतीय प्रणाली की

दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 03rd June 2022, 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: 04-Jun-2022 NR WR SR ER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 63100 59712 43886 24235 2924 193857 Peak Shortage (MW) 446 0 0 822 0 1268 Energy Met (MU) 1077 57 1505 1440 560 4638 Hydro Gen (MU) 84 487 41 81 Wind Gen (MU) 359 28 188 143 Solar Gen (MU)\* Energy Shortage (MU) 109.88 23.32 51.75 0.00 114.20 0.00 4.93 0.41 281 29.36 6.04 0.00  ${\bf Maximum\ Demand\ Met\ During\ the\ Day\ (MW)\ (From\ NLDC\ SCADA)}$ 67362 63479 49868 25352 2955 203910 Time Of Maximum Demand Met (From NLDC SCADA) 12:45 15:26 15:01 23:48 19:44 14:56 B. Frequency Profile (%) FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 Region All India C. Power Supply Position in States ortage during Max.Demand Energy Met OD(+)/UD(-) Max OD Energy Region States Met during the Schedule Shortage (MU) (MU) (MW) day(MW) Demand(MW (MU) (MU) 212.5 Punjab -0.8 137 9714 99.6 0.00 Haryana 9340 0 200.6 134.0 0.3 228 Rajasthan Delhi 15593 6518 312.6 130.5 91.6 119.2 1.1 -0.7 397 204 0 6.29 0 0.00 NR UP 24365 520 508.5 250.7 2.5 628 12.62 Uttarakhand HP 2180 1606 29.0 9.4 135 137 1.27 0.02 0 49.5 0.9 35.0 1.1 J&K(UT) & Ladakh(UT) 2357 200 48.9 27.1 306 2.87 Chandigarh 335 0 6.9 6.7 0.3 41 0.00 Chhattisgarh 4522 108.1 53.0 0.5 218 0.00 Gujarat 20075 0 439.1 182.0 675 0.00 133.3 MP 11362 0 262.3 -0.9 409 0.00 WR Maharashtra 0 169.0 -4.1 0.00 648 0 14.4 13.7 0.2 0.00 DNHDDPDCL 27.6 353 1196 0 27.9 0.3 0.00 710 0 15.3 10.2 -0.4 0.00 Andhra Pradesh 11352 9246 0 226.2 105.8 3.7 1047 0.00 184.5 61.1 0.00 Telangana 517 SR Karnataka 10583 O 204.5 35.0 -1.4 637 0.00 253 783 Kerala 3803 0 78.9 51.4 -0.70.00 Tamil Nadu 17517 372.8 164.0 -1.0 0.00 60 329 Puducherry 447 -0.1 0.00 119.3 131.3 Bihar 6369 0 -0.9 1.64 439 3484 76.4 -39.6 0.5 184 761 Jharkhand 1378 0 29.4 24.3 1.6 4.40 ER 60.0 6231 136.1 0 5.1 0.00 Odisha West Bengal 9248 0 185.3 54.7 1.8 530 0.00 Sikkim 103 0 1.5 1.6 -0.2 15 0.00 Arunachal Pradesh -0.3 136 0 2.7 0.00 1918 36.2 30.0 -0.2 126 0.00 162 313 2.6 Manipur 0 2.5 0.1 21 0.00 NER 0.3 Meghalaya -0.1 0.00 Mizoram 1.8 2.2 99 -0.2 0.00 136 19 0 -0.1 Nagaland 0.00 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan Nepal Bangladesh Day Peak (MW) E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-) TOTAL WR ER NER SR NR Schedule(MU) -94.0 -81.4 Actual(MU) O/D/U/D(MU) -8.0 -4.1 F. Generation Outage(MW) NER TOTAL Central Sector 3194 1303 6098 2610 706 State Sector Total 10714 118 30900 8738

Total	11932	23/31	14549	5490	824	30343	100
G. Sourcewise generation (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	759	1342	589	590	16	3296	69
Lignite	23	14	75	0	0	113	2
Hydro	255	41	81	84	26	487	10
Nuclear	24	33	63	0	0	119	2
Gas, Naptha & Diesel	26	7	9	0	23	64	1
RES (Wind, Solar, Biomass & Others)	151	240	306	5	0	703	15
Total	1238	1677	1123	679	65	4782	100
Share of RES in total generation (%)	12.22	14.33	27.29	0.73	0.63	14.71	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	34.72	18.72	40.09	13.15	40.46	27.39	

H. All India Demand Diversity Factor

Based on Regional Max Demands 1.025 Based on State Max Demands 1.074

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.

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 04-Jun-2022

Sl	W-14 T1	The Barth	N 6 C!	M I (MIII)	M F (MIII)	T OMD	Date of Reporting:	
No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (							1
1		ALIPURDUAR-AGRA	2	0	350	0.0	8.6	-8.6
3		PUSAULI B/B	<del></del>	205	49	0.0	0.3	-0.3
4		GAYA-VARANASI SASARAM-FATEHPUR	1	285 0	255 399	0.0	0.2 6.9	-0.2 -6.9
5		GAYA-BALIA	i	Ŏ	725	0.0	12.5	-12.5
6		PUSAULI-VARANASI	1	45	16	0.4	0.0	0.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	85	0.0	0.6	-0.6
8		MUZAFFARPUR-GORAKHPUR	2	0	701	0.0	11.4	-11.4
9 10		PATNA-BALIA NAUBATPUR-BALIA	2	0	589 627	0.0	12.0 13.1	-12.0 -13.1
11		BIHARSHARIFF-BALIA	2	0	517	0.0	7.3	-7.3
12		MOTIHARI-GORAKHPUR	2	0	404	0.0	7.3	-7.3
13	400 kV	BIHARSHARIFF-VARANASI	2	3	218	0.0	2.5	-2.5
14		SAHUPURI-KARAMNASA	1	0	172	0.0	3.1	-3.1
15 16		NAGAR UNTARI-RIHAND GARWAH-RIHAND	+ +	0 25	0	0.0 0.4	0.0	0.0 0.4
17		KARMANASA-SAHUPURI	i	0	0	0.0	0.0	0.0
18		KARMANASA-CHANDAULI	î	0	Ö	0.0	0.0	0.0
					ER-NR	0.7	85.8	-85.0
	rt/Export of ER (							
1		JHARSUGUDA-DHARAMJAIGARH	4	629	0	25.6	0.0	25.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1175	0	14.4	0.0	14.4
3		JHARSUGUDA-DURG	2	0	314	6.6	0.0	6.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	1.4	0.0	1.4
5	400 kV	RANCHI-SIPAT	2	264	0	3.2	0.0	3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	94	0.0	1.4	-1.4
7		BUDHIPADAR-KORBA	2	140	0	2.3	0.0	2.3
					ER-WR	53.4	1.4	52.1
	rt/Export of ER (				45-		0.7	
1		JEYPORE-GAZUWAKA B/B	2	0	432	0.0	9.5	-9.5 20.0
3		TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2 2	0	1493 2660	0.0	29.0 47.0	-29.0 -47.0
4		TALCHER-I/C	2	871	2660	16.0	0.0	-47.0 16.0
5	220 kV	BALIMELA-UPPER-SILERRU	ĩ	2	0	0.0	0.0	0.0
					ER-SR	0.0	85.5	-85.5
	rt/Export of ER (							
1		BINAGURI-BONGAIGAON	2	84	265	0.0	3.0	-3.0
3		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	167 13	327 86	0.0	2.7 1.0	-2.7 -1.0
3	220 kV	ALH URDUAR-SALARAII		13	ER-NER	0.0	6.8	-1.0 -6.8
Impo	rt/Export of NER	(With NR)			LA LIER	V.U		-0.0
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.3	-12.3
					NER-NR	0.0	12.3	-12.3
	rt/Export of WR (		2		2015	0.0	67.5	(5.5
2		CHAMPA-KURUKSHETRA VINDHYACHAL B/B		0 446	3015	0.0 10.6	0.0	-67.5 10.6
3		MUNDRA-MOHINDERGARH	2	0	310	0.0	7.3	-7.3
4		GWALIOR-AGRA	2	0	2260	0.0	33.7	-33.7
5	765 kV	GWALIOR-PHAGI	2	74	1414	0.0	17.2	-17.2
6		JABALPUR-ORAI	2	0	1073	0.0	31.8	-31.8
8		GWALIOR-ORAI SATNA-ORAI	1	536 0	0 1054	9.0 0.0	0.0 21.3	9.0 -21.3
9		BANASKANTHA-CHITORGARH	2	760	766	0.0	2.2	-21.3
10		VINDHYACHAL-VARANASI	2	0	3430	0.0	63.8	-63.8
				235	47	2.0	0.0	2.0
- 11		ZERDA-KANKROLI	1					
12	400 kV	ZERDA -BHINMAL	1	381	48	4.0	0.0	4.0
12 13	400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	381 974	48 0	4.0 22.3	0.0 0.0	4.0 22.3
12 13 14	400 kV 400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	381 974 291	48 0 504	4.0 22.3 1.5	0.0 0.0 3.3	4.0 22.3 -1.8
12 13 14 15	400 kV 400 kV 400 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1	381 974 291 0	48 0 504 0	4.0 22.3 1.5 0.0	0.0 0.0	4.0 22.3 -1.8 0.0
12 13 14	400 kV 400 kV 400 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	381 974 291	48 0 504	4.0 22.3 1.5	0.0 0.0 3.3 0.0 2.4 0.0	4.0 22.3 -1.8
12 13 14 15 16 17 18	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 2 1 1 1 1	381 974 291 0 0 101 66	48 0 504 0 30 0 6	4.0 22.3 1.5 0.0 0.0 0.6 1.5	0.0 0.0 3.3 0.0 2.4 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5
12 13 14 15 16 17 18 19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA- RANPUR BHANPURA- MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS AWAI MADHOPUR	1 2 1 1 1 1 1	381 974 291 0 0 101 66	48 0 504 0 30 0 6	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0	0.0 0.0 3.3 0.0 2.4 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0
12 13 14 15 16 17 18	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 2 1 1 1 1	381 974 291 0 0 101 66	48 0 504 0 30 0 6 0	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0
12 13 14 15 16 17 18 19 20	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA - BHINMAL VINDHYACHAL - RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2 1 1 1 1 1	381 974 291 0 0 101 66	48 0 504 0 30 0 6	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0	0.0 0.0 3.3 0.0 2.4 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0
12 13 14 15 16 17 18 19 20	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA- RANPUR BHANPURA- MORAK MEHGAON-AURAIYA MALANPUR- AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B	1 2 1 1 1 1 1 1 2	381 974 291 0 0 101 66 0 0	48 0 504 0 30 0 6 0 WR-NR	4.0 22.3 1.5 0.0 0.6 1.5 0.0 0.6 1.5 0.0 0.0 21.6	0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 250.5	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 -198.9
12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR	1 2 1 1 1 1 1 1 2	381 974 291 0 0 101 66 0 0 987 2140	48 0 504 0 30 0 6 0 WR-NR	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5	4.0 22.3 -1.8 0.0 -2.24 0.6 1.5 0.0 0.0 -198.9
12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA- RANPUR BHANPURA- MORAK MEHGAON-AURAIYA MALANPUR- AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 0	48 0 504 0 30 0 6 0 0 WR-NR	4.0 22.3 1.5 0.0 0.6 1.5 0.0 0.6 1.5 0.0 2.0 51.6	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5	4.0 22.3 -1.8 0.0 0.6 1.5 0.0 0.0 -198.9 21.8 29.2 -1.8
12 13 14 15 16 17 18 19 20 Impo 1 2 3	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 155 kV	ZERDA - BHINMAL VINDHYACHAL - RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 987 2140 1517 0	48 0 504 0 30 0 6 6 0 WR-NR 21 0 1622 2402	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5 0.0 0.0 0.0 0.0 3.3 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 -198.9 21.8 29.2 -1.8 -37.8
12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 155 kV 165 kV 165 kV 160 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA- RANPUR BHANPURA- MORAK MEHGAON-AURAIYA MALANPUR- AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 0	48 0 504 0 30 0 6 0 0 WR-NR	4.0 22.3 1.5 0.0 0.6 1.5 0.0 0.6 1.5 0.0 2.0 51.6	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5	4.0 22.3 -1.8 0.0 0.6 1.5 0.0 0.0 -198.9 21.8 29.2 -1.8
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA WITH SHORT SAWAT MADHOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 0 2140 1517 0 1708	48 0 504 0 30 0 6 0 0 WR-NR 21 0 1622 2402	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 250.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -198.9 -21.8 29.2 -1.8 -37.8 -29.7
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA- RANPUR BHANPURA- RANPUR BHANPURA- MORAK MEHGAON-AURAIYA MALANPURA- URAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 987 2140 1517 0	48 0 504 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 0.6 1.5 21.8 29.2 29.7 0.0 0.0 0.0 0.0 21.1	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 29.7 0.0 0.0 0.0 -2.1
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WIID SHADIRI - LALITPUR WIID SR BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1	381 974 291 0 0 101 66 0 0 987 2140 1517 0 1708 0	48 0 0 504 0 30 0 6 6 0 0 WR-NR 21 0 1622 2402 0	4.0 22.3 1.5 0.0 0.6 0.5 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 0.0 -198.9  21.8 29.2 -1.8 -37.8 29.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WIID SHADIRI - LALITPUR WIID SR BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 987 2140 1517 0 1708 0	48 0 504 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 22.2 5.2 0.0 0.0 0.0 2.1 87.8	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -198.9  21.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 -1.4 43.1 +ve)/Export(-ve)
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WIID SHADIRI - LALITPUR WIID SR BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	381 974 291 0 0 101 66 0 0 987 2140 1517 0 1708 0	48 0 504 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 22.2 5.2 0.0 0.0 0.0 2.1 87.8	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 250.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 -198.9  21.8 29.2 -1.8 -37.8 29.7 0.0 0.0 -2.1 43.1 -+ve)/Export(-ve) Energy Exchange
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALIPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WISHOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	381 974 291 0 0 101 66 0 0 0 2140 1517 0 1708 0 0	48 0 504 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 0.6 1.5 21.8 29.2 29.7 0.0 0.0 0.0 0.0 21.1	0.0 0.0 0.0 3.3 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -198.9  21.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 -1.4 43.1 +ve)/Export(-ve)
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALIPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WISHOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1	381 974 291 0 0 101 66 0 0 185 987 2140 1517 0 1708 0 0 CHANGES Name	48 0 504 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 22.2 5.2 0.0 0.0 0.0 2.1 87.8	0.0 0.0 0.0 3.3 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 -198.9  21.8 29.2 -1.8 -37.8 29.7 0.0 0.0 -2.1 43.1 -+ve)/Export(-ve) Energy Exchange
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND 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 KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	1	381   974   291   0   0   101   10	48 0 0 504 0 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0 0 WR-SR	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 0.0 0.0 0.0 21.8 29.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 0.0 250.5  0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 -198.9  21.8 29.2 -1.8 -37.8 -37.8 -29.7 0.0 0.0 -2.1 43.1 -4ve)/Export(-ve) Energy Exchange
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA WITH SRIPPER - RIPPER -	1	381 974 291 0 0 101 66 0 0 181 987 2140 1517 0 1708 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$180 MW) URI 12,4 (\$\frac{4}{2}\$40 MoV)	48 0 0 504 0 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 22.9 2.0 0.0 2.7 0.0 0.0 2.1 87.8	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 2.50,5 0.0 0.0 0.0 0.0 0.0 44.7 Importi  Avg (MW)	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9 -1.8 -37.8 -37.8 -29.7 0.0 0.0 -1.1 43.1
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND 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 KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   291   0   0   101   10	48 0 0 504 0 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0 0 WR-SR	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 0.0 0.0 0.0 21.8 29.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 3.3 0.0 2.4 0.0 0.0 0.0 0.0 0.0 250.5  0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 0.0 -198.9  21.8 29.2 -1.8 -37.8 -37.8 -29.7 0.0 0.0 -2.1 43.1 -4ve)/Export(-ve) Energy Exchange
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA WITH SRIPPER - RIPPER -	1	381 974 291 0 0 101 66 0 0 18 987 2140 1517 0 1708 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ HOMW) URI 12,4 (\$\frac{4}{2}\$ 400KV) IRI 12,6 (\$\frac{4}{2}\$ 400KV)	48 0 0 504 0 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 22.9 2.0 0.0 2.7 0.0 0.0 2.1 87.8	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 2.50,5 0.0 0.0 0.0 0.0 0.0 44.7 Importi  Avg (MW)	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9 -1.8 -37.8 -37.8 -29.7 0.0 0.0 -1.1 43.1
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA WITH SRIPPER - RIPPER -	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   19	48 0 0 504 0 0 30 0 6 0 0 WR-NR 21 0 1622 2402 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 22.9 2.0 0.0 2.7 0.0 0.0 2.1 87.8	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 2.50,5 0.0 0.0 0.0 0.0 0.0 44.7 Importi  Avg (MW)	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9 -1.8 -37.8 -37.8 -29.7 0.0 0.0 -1.1 43.1
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI IN Region ER ER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   19	48 0 504 0 504 0 0 30 0 6 0 WR-NR 21 0 1622 2402 0 0 0 WR-SR	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 22.2 0.0 22.7 0.0 22.7 0.0 0.0 2.1 87.8 Min (MW)	0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -1.8,9 -1.8,9 -1.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SRIPPER SHARMAN SHAR	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   1974   1974   1974   1987   198	48 0 0 504 0 0 30 0 0 6 0 WR-NR 21 0 1622 2402 0 0 0 WR-SR	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 29.2 5.2 0.0 22.7 0.0 0.0 2.1 87.8	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 2.50.5 0.0 0.0 0.0 0.0 0.0 0.0 44.7 Import  Avg (MW)  301	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9 -1.8 -37.8 -37.8 -29.7 0.0 -0.0 -1.1 -1.0 -1.0 -1.0 -1.0 -1.0
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI IN Region ER ER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   1974   1974   1974   1987   198	48 0 504 0 504 0 0 30 0 6 0 WR-NR 21 0 1622 2402 0 0 0 WR-SR	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 22.2 0.0 22.7 0.0 22.7 0.0 0.0 2.1 87.8 Min (MW)	0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -1.8,9 -1.8,9 -1.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MBALANPUR-AURAHYA WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  ER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   291   0   0   101   10	48 0 0 504 0 0 504 0 0 WR-NR 0 0 WR-NR 21 0 1622 2402 0 0 0 106 WR-SR   Max (MW) 410 371 175	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 2.1 87.8 Min (MW)  0	0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2 5.7
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SRIPPER SHARMAN SHAR	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   291   0   0   101   10	48 0 0 504 0 0 30 0 0 6 0 WR-NR 21 0 1622 2402 0 0 0 WR-SR	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 29.2 5.2 0.0 22.7 0.0 0.0 2.1 87.8	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 2.50.5 0.0 0.0 0.0 0.0 0.0 44.7 Import  Avg (MW)  301	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9 -1.8 -37.8 -37.8 -29.7 0.0 -0.0 -1.1 -1.0 -1.0 -1.0 -1.0 -1.0
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MBALANPUR-AURAHYA WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  ER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 291 0 0 101 101 66 0 0 1857 2140 1517 0 1708 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$104 108 112,4 (\$\frac{1}{2}\$40 (\$\frac{1}{2}\$40) 109 100 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$100 (\$\frac{1}{2}\$10) 100 100 100 100 100 100 100 100 100	48 0 0 504 0 0 504 0 0 WR-NR 0 0 WR-NR 21 0 1622 2402 0 0 0 106 WR-SR   Max (MW) 410 371 175	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 2.1 87.8 Min (MW)  0	0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2 5.7
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MBALANPUR-AURAHYA WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  ER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 291 0 0 101 101 66 0 0 1857 2140 1517 0 1708 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$104 108 112,4 (\$\frac{1}{2}\$40 (\$\frac{1}{2}\$40) 109 100 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$100 (\$\frac{1}{2}\$10) 100 100 100 100 100 100 100 100 100	48 0 0 504 0 0 504 0 0 WR-NR 0 0 WR-NR 21 0 1622 2402 0 0 0 106 WR-SR   Max (MW) 410 371 175	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 2.1 87.8 Min (MW)  0	0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MU) 7.2 5.7
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR - AURAIYA MALANPUR - AURAIYA MALANPUR - AURAIYA MALANPUR - AURAIYA BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN REGION  ER  ER  ER  NER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 291 0 0 101 101 66 0 0 1857 2140 1517 0 1708 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$104 108 112,4 (\$\frac{1}{2}\$40 (\$\frac{1}{2}\$40) 109 100 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$100 (\$\frac{1}{2}\$10) 100 100 100 100 100 100 100 100 100	48 0 0 504 0 30 0 0 0 0 WR-NR  21 0 1622 2402 0 0 0 WR-SR  Max (MW)  410  371  175	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 29.2 5.2 0.0 22.7 0.0 22.7 0.0 21.8 87.8 Min (MW)	0.0 0.0 0.0 3.3 3.3 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 250.5  0.0 0.0 0.0 44.7  Imports  Avg (MW)  301  239	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 29.2 -1.8 29.7 0.0 0.0 2.1 4.3.7.8 29.7 0.0 2.1 5.7  5.7  2.3  0.3  1.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MBALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 974 291 0 0 101 66 0 0 101 987 2140 1517 0 1708 0 0 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8 400KV) URI 12.4 (8 400KV) URI 12.4 (8 400KV) ALED (8*170MW) PARA 182 (8 220KV) A) Le. BINAGURI AHEP (6*170MW) PARA 182 (8 220KV) A) Le. BIRPARA KHA HEP 4*84MW) LAKATI	48 0 0 504 0 0 30 0 0 0 WR-NR  21 0 1622 2402 0 0 0 106 WR-SR   Max (MW) 410 371 175 23 70	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 2.1 87.8 Min (MW)  0 216	0.0 0.0 0.0 3.3 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2 5.7 2.3 0.3 1.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR ( HVDC HVDC T65 kV 400 kV 220 kV 220 kV State	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR - AURAIYA MALANPUR - AURAIYA MALANPUR - AURAIYA MALANPUR - AURAIYA BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN REGION  ER  ER  ER  NER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 974 291 0 0 101 66 0 0 101 987 2140 1517 0 1708 0 0 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8 400KV) URI 12.4 (8 400KV) URI 12.4 (8 400KV) ALED (8*170MW) PARA 182 (8 220KV) A) Le. BINAGURI AHEP (6*170MW) PARA 182 (8 220KV) A) Le. BIRPARA KHA HEP 4*84MW) LAKATI	48 0 0 504 0 30 0 0 0 0 WR-NR  21 0 1622 2402 0 0 0 WR-SR  Max (MW)  410  371  175	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 51.6 21.8 29.2 5.2 0.0 22.7 0.0 22.7 0.0 21.8 87.8 Min (MW)	0.0 0.0 0.0 3.3 3.3 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 250.5  0.0 0.0 0.0 44.7  Imports  Avg (MW)  301  239	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 29.2 -1.8 29.7 0.0 0.0 2.1 4.3.7.8 29.7 0.0 2.1 5.7  5.7  2.3  0.3  1.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MBALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   974   974   974   991   0   0   101   66   0   0   987   2140   1517   0   1708   0   0   0   0   0   0   0   0   0	48 0 0 504 0 0 30 0 0 0 WR-NR  21 0 1622 2402 0 0 0 106 WR-SR   Max (MW) 410 371 175 23 70	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 2.1 87.8 Min (MW)  0 216	0.0 0.0 0.0 3.3 3.3 3.3 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2 5.7 2.3 0.3 1.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MBALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 974 291 0 0 101 66 0 0 101 987 2140 1517 0 1708 0 0 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8 400KV) URI 12.4 (8 400KV) URI 12.4 (8 400KV) ALED (8*170MW) PARA 182 (8 220KV) A) Le. BINAGURI AHEP (6*170MW) PARA 182 (8 220KV) A) Le. BIRPARA KHA HEP 4*84MW) LAKATI	48 0 0 504 0 0 30 0 0 0 WR-NR  21 0 1622 2402 0 0 0 106 WR-SR   Max (MW) 410 371 175 23 70	4.0 22.3 1.5 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 2.1 87.8 Min (MW)  0 216	0.0 0.0 0.0 3.3 0.0 0.0 0.0 0.0 0.0 0.0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -1.98.9  21.8 29.2 -1.8 -37.8 -29.7 0.0 0.0 2.1 43.1 +ve)/Export(-ve) Energy Exchange (MII) 7.2 5.7 2.3 0.3 1.2
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA MALANPURA-URAHYA BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WITH SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   974   974   974   991   0   0   101   66   0   0   987   2140   1517   0   1708   0   0   0   0   0   0   0   0   0	48 0 0 504 0 30 0 0 0 WR-NR  21 0 1622 2402 0 0 0 WR-SR  Max (MW)  410  371  175  23  70  -77	4.0 22.3 1.5 0.0 0.0 0.0 0.0 0.5 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 0.0 21.7 0.0 21.8 Min (MW)  0  216  4  29	0.0 0.0 0.0 3.3 3.3 3.3 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 0.0 -2.4 0.6 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 29.7 -1.0 0.0 -198.9  21.8 -1.8 -1.8 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NUZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AM	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   974   974   974   991   0   0   101   66   0   0   987   2140   1517   0   1708   0   0   0   0   0   0   0   0   0	48 0 0 504 0 0 504 0 0 0 WR-NR  21 0 1622 2402 0 0 0 0 WR-SR  Max (MW) 410 371 175 23 70 -77 -33	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 0.0 2.1 87.8  Min (MW)  0 216  4 29 0 -10	0.0 0.0 0.0 3.3 3.3 3.3 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 0.0 -2.4 0.6 1.5 0.0 -1.98.9  21.8 -37.8 -
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA MALANPURA-URAHYA BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WITH SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381 974 974 291 0 0 101 66 0 0 101 987 2140 1517 0 1708 0 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ 4400KV (RI) i.e. BINAGURI AR RECEIPT (BRI 12,4 4400KV (RI) i.e. BINAGURI AR RECEIPT (BRI 12,4 4400KV (RI) i.e. BINAGURI AR HEP (6*190MW) LAKATI ANGIA	48 0 0 504 0 30 0 0 0 WR-NR  21 0 1622 2402 0 0 0 WR-SR  Max (MW)  410  371  175  23  70  -77	4.0 22.3 1.5 0.0 0.0 0.0 0.0 0.5 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 0.0 21.7 0.0 21.8 Min (MW)  0  216  4  29	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 0.0 -2.4 0.6 -1.5 0.0 -1.98.9  21.8 29.2 -1.8 29.7 -1.0 0.0 -198.9  21.8 -1.8 -1.8 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6
12 13 14 15 16 17 18 19 20 12 3 4 4 4 5 6 6 7 8	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 17 kV 400 kV 220 kV 132 kV 132 kV 14 kV 15 kV 20 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WITH SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOHAPUR-KUDGI KOHAPUR-AUBHWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI  RER  ER  ER  ER  ER  ER  ER  ER  ER	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   974   974   974   974   991   90   90   90   90   90   90   9	48 0 0 0 0 30 0 0 0 0 WR-NR  21 0 1622 2402 0 0 0 106 WR-SR   Max (MW)  410  371  175  23  70  -77  -33  -58	4.0 22.3 1.5 0.0 0.0 0.0 0.0 0.0 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 0.0 2.1 87.8  Min (MW)  0 216 4 29 0 -10 -27	0.0 0.0 0.0 3.3 3.3 3.3 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 250.5  0.0 0.0 0.0 4.7  Importo Avg (MW)  301  239  96  12  50 -65 -19 -42	4.0 22.3 -1.8 0.0 -2.4 0.6 -1.5 0.0 -1.5 0.0 -198.9  21.8 29.2 -1.8 29.7 -1.0 0.0 -198.9  21.8 -1.8 -1.6 -1.6 -0.5 -1.6 -0.5 -1.6 -1.6 -0.5 -1.6
12 13 14 15 16 17 18 19 20 12 3 4 4 4 5 6 6 7 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 170 kV 180 kV 180 kV 180 kV 180 kV 181 kV 18	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NUZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AM	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	381   974   974   974   974   974   974   991   90   90   90   90   90   90   9	48 0 0 504 0 0 504 0 0 0 WR-NR  21 0 1622 2402 0 0 0 0 WR-SR  Max (MW) 410 371 175 23 70 -77 -33	4.0 22.3 1.5 0.0 0.0 0.0 0.6 1.5 0.0 0.0 51.6 21.8 29.2 5.2 0.0 29.7 0.0 0.0 2.1 87.8  Min (MW)  0 216  4 29 0 -10	0.0 0.0 0.0 3.3 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4.0 22.3 -1.8 0.0 -2.4 0.6 1.5 0.0 -1.98.9  21.8 -37.8