

## 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, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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दिनांक: 10<sup>th</sup> July 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 09.07.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जुलाई-2021 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 09<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: 10-Jul-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 66807 51443 38881 23717 3004 18385 Peak Shortage (MW) 1193 0 0 0 1199 Energy Met (MU) 1594 1236 929 492 58 4310 Hydro Gen (MU) 653 115 73.48 Wind Gen (MU) 102 244 Solar Gen (MU)\* 54.86 29.45 4.49 163 Energy Shortage (MU) 14.35 0.00 0.00 0.000.06 14.41 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 72518 53716 42486 24215 3001 187561 Time Of Maximum Demand Met (From NLDC SCADA) 23:36 14:53 10:42 21:07 19:18 11:58 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 0.029 0.00 0.02 4.02 4.04 C. Power Supply Position in States Max.Demand Drawal Shortage during Energy Met Energy Region States Met during the Schedule Shortage maximum (MU) (MU) (MW) day(MW) Demand(MW) (MU) (MU) 289.4 195 -1.0 Punjab 12454 180.9 10.20 Haryana 201.2 0.9 Rajasthan 13672 298.5 89.6 3.0 500 0.00 6781 125.0 Delhi NR UP 24546 480.2 227.9 19.1 0.7 208 0.00 Uttarakhand 2247 48.5 HP 1490 20 30.2 -1.4 -3.5 44 0.40 J&K(UT) & Ladakh(UT) 46.4 -0.3 616 2325 21.3 3.45 Chandigarh 397 8.1 -0.4 0.00 91.7 44.8 3894 312 Chhattisgarh -0.4 0.00 Gujarat 19007 410.4 157.8 3.0 495 0.00 134.7 0.4 730 MP 9762 0 223.7 0.00WR Maharashtra 20620 0 453.6 162.9 691 0.00 Goa 538 11.8 10.9 0.3 0.00 DNH 829 0 19.4 19.2 0.2 69 0.00 AMNSIL 827 18.2 0.0 0.00 257 Andhra Pradesh 7791 170.3 52.3 -0.8 402 0.00 Telangana 9110 183.9 68.3 -0.9 711 0.00 SR Karnataka 9957 185.9 47.2 -0.8 585 0.00 3321 73.0 49.8 0.0 337 Kerala 0 0.00 Tamil Nadu 13973 307.8 132.6 -5.0 495 0.00 8.7 -0.5 Puducherry 406 0 8.2 27 0.00 Bihar 6868 120.2 116.8 434 DVC 3170 65.3 -48.1-0.2 246 0.00 Jharkhand 1593 24.8 ER 31.1 46.3 215 515 Odisha 5264 102.2 0.1 0.00 West Bengal 8886 173.5 0.8 Sikkim 117 1.8 1.5 0.3 39 0.00 Arunachal Pradesh 141 0 2.5 2.7 -0.4 60 0.01 Assam 1964 38.3 30.7 0.5 124 0.00 0.1 Manipur 195 2.6 0.01 NER Meghalaya 307 5.5 -0.3 0.0 0.00 107 1.7 1.6 14 0.01 Mizoram Nagaland 132 0.0 0.01 Tripura 0.02 sh

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesl
Actual (MU)	48.0	-8.3	-22.0
Described (MW)	20.42.0	505.4	025.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	400.1	-261.3	-2.6	-130.9	-5.4	0.0
Actual(MU)	400.2	-245.9	-21.4	-136.4	-3.9	-7.4
O/D/II/D(MI)	0.0	15.4	-18 8	-5.6	1.4	-7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4072	13236	6912	810	588	25618	42
State Sector	7565	16767	6668	4155	11	35166	58
Total	11637	30003	13580	4965	600	60784	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	668	1257	562	520	10	3018	68
Lignite	27	12	32	0	0	71	2
Hydro	360	33	90	139	31	653	15
Nuclear	30	33	46	0	0	109	2
Gas, Naptha & Diesel	33	33	11	0	26	102	2
RES (Wind, Solar, Biomass & Others)	101	132	218	5	0	456	10
Total	1220	1499	959	664	68	4409	100
Share of RES in total generation (%)	8.27	8.79	22.75	0.68	0.34	10.33	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.26	13.15	36.96	21.61	46.75	27.62	

H. All India Demand Diversity Factor

11 111 India Bendina Biversity Tuctor	
Based on Regional Max Demands	1.045
Based on State Max Demands	1.092

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: 10-Jul-2021

_							Date of Reporting:	10-Jul-2021
Sl	Voltage T1	Line D-4-21-	No of Circuit	May Impost (MINA	May Eva (MSV)	Import (MI)	Export (MU)	
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		ALIPURDUAR-AGRA	2	0	1504	0.0	36.7	-36.7
2		PUSAULI B/B		0	248	0.0	6.1	-6.1
3		GAYA-VARANASI SASABAM FATEHDUD	1	0	849	0.0	14.0 2.8	-14.0
5		SASARAM-FATEHPUR GAYA-BALIA	1	27	288 717	0.0	11.7	-2.8 -11.7
6		PUSAULI-VARANASI	1	0	217	0.0	4.7	-4.7
7		PUSAULI -ALLAHABAD	î	0	94	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	2	0	610	0.0	10.6	-10.6
9	400 kV	PATNA-BALIA	4	0	1148	0.0	21.7	-21.7
10		BIHARSHARIFF-BALIA	2	0	405	0.0	7.5	-7.5
11		MOTIHARI-GORAKHPUR	2	0	372	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	2	0	294	0.0	4.2	-4.2
13		PUSAULI-SAHUPURI	+ +	0	137	0.0	1.7	-1.7
14 15	132 kV 132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	+ +	0	0	0.0	0.0	0.0
16		KARMANASA-SAHUPURI	+	20	0	0.4 0.0	0.0	0.4
17		KARMANASA-CHANDAULI	i	0	0	0.0	0.1	-0.1
					ER-NR	0.4	129.5	-129.1
Impo	rt/Export of ER (	With WR)						
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	569	665	0.0	1.6	-1.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1597	0	22.8	0.0	22.8
3		JHARSUGUDA-DURG	2	143	100	1.1	0.0	1.1
4		JHARSUGUDA-RAIGARH	4	159	207	0.0	0.8	-0.8
5		RANCHI-SIPAT	2	411	0	6.0	0.0	6.0
6		BUDHIPADAR-RAIGARH	1	0	106	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	173	0	2.8	0.0	2.8
<u></u>		www.am			ER-WR	32.7	4.0	28.7
Impo	rt/Export of ER (				2	0.0		
1		JEYPORE-GAZUWAKA B/B	2	0	347	0.0	7.7 32.0	-7.7 32.0
3		TALCHER-KOLAR BIPOLE	2 2	0	1635	0.0	32.0 27.5	-32.0 -27.5
4		ANGUL-SRIKAKULAM TALCHER-I/C	2 2	835	2005	10.0	0.0	-27.5 10.0
5		BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
-	AAV R V	D. L. SILLERY			ER-SR	0.0	67.2	-67.2
Impo	rt/Export of ER (	With NER)				U.U		V/14
1	400 kV	BINAGURI-BONGAIGAON	2	0	499	0.0	8.1	-8.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	445	0.0	5.0	-5.0
3	220 kV	ALIPURDUAR-SALAKATI	2	0	146	0.0	2.3	-2.3
		arrive array			ER-NER	0.0	15.4	-15.4
Impo	rt/Export of NER				0.71		20.7	***
	HVDC	BISWANATH CHARIALI-AGRA	2	0	854 NER-NR	0.0	20.6 20.6	-20.6
Impo	rt/Export of WR (	With ND			NER-NR	0.0	20.0	-20.6
1		CHAMPA-KURUKSHETRA	2	0	4563	0.0	75.5	-75.5
2		VINDHYACHAL B/B		48	255	0.0	3.9	-3.9
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2365	0.0	48.2	-48.2
4		GWALIOR-AGRA	2	0	3083	0.0	54.5	-54.5
5	765 kV	PHAGI-GWALIOR	2	Ō	1986	0.0	38.8	-38.8
6	765 kV	JABALPUR-ORAI	2	0	1320	0.0	45.1	-45.1
7	765 kV	GWALIOR-ORAI	1	681	0	13.0	0.0	13.0
8	765 kV	SATNA-ORAI	1	0	1665	0.0	34.1	-34.1
9	765 kV	CHITORGARH-BANASKANTHA ZERDA-KANKROLI	2	749	413	3.9	0.0	3.9
10			1	195	23	3.0		3.0
11	400 kV	ZERDA -BHINMAL	1	404	96	5.0	0.0	5.0
11 12	400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1 1 2	404 965	96 0	5.0 22.6	0.0 0.0	5.0 22.6
11 12 13	400 kV 400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2	404 965 0	96 0 609	5.0 22.6 0.0	0.0 0.0 8.7	5.0 22.6 -8.7
11 12 13 14	400 kV 400 kV 400 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR		404 965	96 0 609 82	5.0 22.6 0.0 0.0	0.0 0.0 8.7 1.2	5.0 22.6 -8.7 -1.2
11 12 13	400 kV 400 kV 400 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2	404 965 0	96 0 609	5.0 22.6 0.0	0.0 0.0 8.7	5.0 22.6 -8.7 -1.2 -0.5
11 12 13 14 15	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDBYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	2	404 965 0 0	96 0 609 82 30	5.0 22.6 0.0 0.0 0.1	0.0 0.0 8.7 1.2 0.6 0.2 0.0	5.0 22.6 -8.7 -1.2
11 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	404 965 0 0 0 112 73 0	96 0 609 82 30 8	5.0 22.6 0.0 0.0 0.1 0.3 0.9	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0
11 12 13 14 15 16 17	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA -BHINMAL VINDBYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	2	404 965 0 0 112 73	96 0 609 82 30 8 40 0	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0
11 12 13 14 15 16 17 18 19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPÜR BHANPÜRA-RANPÜR BHANPÜRA-MÜRAK MEHGAÖN-AÜRAHYA MALANPÜRA-WRAHYA GWALIOR-SAWAI MADHOPÜR RAJGHAT-LALITPÜR	2	404 965 0 0 0 112 73 0	96 0 609 82 30 8 40	5.0 22.6 0.0 0.0 0.1 0.3 0.9	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0
11 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-AUBAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR)	2	404 965 0 0 0 112 73 0	96 0 609 82 30 8 40 0 WR-NR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0 0.0 -262.1
11 12 13 14 15 16 17 18 19	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 154 kV 155 kV	ZERDA - BHINMAL VINDHYACHAL - RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SRI	2	404 965 0 0 0 1112 73 0 0	96 0 609 82 30 8 40 0 WR-NR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0 -262.1
11 12 13 14 15 16 17 18 19 Import	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 MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALIPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	2 1 1 1 1 1 1 2	404 965 0 0 0 112 73 0 0 0	96 0 609 82 30 8 40 0 WR-NR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -262.1 -7.3 -7.3 -7.3
11 12 13 14 15 16 17 18 19 Import 1 2	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 153 kV 154 kV 155 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-RAIGHUR	2	404 965 0 0 0 112 73 0 0 297 1147 2289	96 0 609 82 30 8 40 0 WR-NR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0 -262.1
11 12 13 14 15 16 17 18 19 Import	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR (HVDC HVDC HVDC T65 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 1 1 1 2	404 965 0 0 0 112 73 0 0 297 1147 2289 417	96 0 609 82 30 8 40 0 WR-NR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9	5.0 22.6 -8.7 -1.2 -0.5 -0.1 0.9 -0.0 -262.1 -7.3 -13.9
11 12 13 14 15 16 17 18 19 Import 1 2	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14VDC HVDC HVDC T65 kV 765 kV 400 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-RAIGHUR	2 1 1 1 1 1 1 2	404 965 0 0 0 112 73 0 0 297 1147 2289	96 0 609 82 30 8 40 0 WR-NR	5.0 22.6 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -262.1 -7.3 -15.0 -10.8
11 12 13 14 15 16 17 18 19 Import 1 2 3 4	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 155 kV 160 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WIGHT - LALITPUR WIGH SR) BHADRA WATI B/B BHADRA WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-ANBEWADI	2 1 1 1 1 1 1 2 2	404 965 0 0 112 73 0 0 1297 1147 2289 417 1562	96 0 609 82 30 8 40 0 WR-NR 0 1091 1803	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.0 22.6 -8.7 -0.5 -0.5 -0.1 -0.9 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 155 kV 160 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 1 1 1 1 1 1 2 2	404 965 0 0 0 112 73 0 0 297 1147 2289 417 1562 0	96 0 669 82 30 8 40 0 WR-NR 0 1091 1803 0 0 75	5.0 22.6 0.0 0.1 0.3 0.9 0.0 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 0.0 310.9  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.0 -0.0 -262.1 -7.3 -13.9 -24.8 -0.0 -0.0 -0.0 -1.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 155 kV 160 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1	404 965 0 0 0 112 73 0 0 297 1147 2289 417 1562 0 0	96 0 609 82 30 8 40 0 WR-NR 0 1091 1803 0 0	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 2.5 14.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0 -262.1 7.3 15.0 10.8 -13.9 24.8 0.0 0.0 1.5 45.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 155 kV 160 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1	404 965 0 0 0 112 73 0 0 297 1147 2289 417 1562 0 0	96 0 669 82 30 8 40 0 WR-NR 0 1091 1803 0 0 75	5.0 22.6 0.0 0.1 0.3 0.9 0.0 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0 0.0 -262.1 7.3 15.0 10.8 -13.9 24.8 0.0 0.0 0.0 -15.5 -15.5 -17.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-WALIBAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	404 965 0 0 0 112 73 0 0 1147 2289 417 1562 0 0 CHANGES	96 0 609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.0 22.6 -8.7 -1.2 -0.5 0.1 0.9 0.0 0.0 -262.1 7.3 15.0 10.8 -13.9 24.8 0.0 0.0 0.0 -15.5 -15.5 -17.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 155 kV 160 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	404   965   0   0   112   73   0   0   297   1147   2289   417   1562   0   0   0	96 0 669 82 30 8 40 0 WR-NR 0 1091 1803 0 0 75	5.0 22.6 0.0 0.1 0.3 0.9 0.0 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.0 22.6 -8.7 -1.2 -0.5 -0.1 0.9 -0.0 -0.0 -262.1  7.3 15.0 10.8 -13.9 24.8 0.0 0.0 -1.5 -+ve)/Export(xe)
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-MURAHYA MALANPURA-MURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX 400KV MANGECHI 400KV MANGECHI	404 965 0 0 0 1 112 73 0 0 14147 2289 417 1562 0 0 0 CHANGES Name U-ALIPURDUAR	96 0 609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 0.0 Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8  Imports  Avg (MW)	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.1 -0.0 -0.0 -262.1  7.3 -15.0 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-WALIBAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400KV MANGADEUHH 1,2&3 ic. ADEURBU	404   965   0   0   0   112   127   13   0   0   14   14   17   1562   0   0   0   0   0   CHANGES   Name   U-ALIPURDUAR   AR RECEIPT (from	96 0 609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1 -7.3 -15.0 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-MURAHYA MALANPURA-MURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 400KV MANGDECHE 1,283 (& ALIPHURIEP	404 965 0 0 0 112 73 0 0 112 73 0 0 1417 1289 0 0 1417 1562 0 0 0 0 CHANGES Name IU-ALIPURDUAR AR RECEIPT (from 9*180MW)	96 0 609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 0.0 Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8  Imports  Avg (MW)	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.1 -0.0 -0.0 -262.1  7.3 -15.0 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRIFT BITT BITT BITT BITT BITT BITT BITT B	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 1,28X3 is ALIPURDU MANGDECHU HEP 400KY TALS AINAGI	404   965   0   0   0   0   112   137   147   147   1562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8  Imports  Avg (MW)	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -ve)/Export(-ve) Energy Exchange (MIII)
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-MURAHYA MALANPURA-MURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 400KV MANGDECHE 1,28A3 (c. DALPIU HBP ) 400KV TALA-BINAGG MALBASE HAGG	404 965 0 0 0 1112 73 0 0 112 73 0 0 127 1147 2289 417 1562 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ 180MW) URI 1,2,4 (& 400K)	96 0 609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 0.0 Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 16.8  Importi	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.1 -0.0 -0.0 -262.1  7.3 -15.0 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR BHADRA-BANT	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1	404   965   0   0   0   112	96 0 669 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8  Imports  Avg (MW)  655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SRIFT BITT BITT BITT BITT BITT BITT BITT B	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	404   965   0   0   0   112   125	96 0 0 609 82 30 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 16.8  Importi	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -ve)/Export(-ve) Energy Exchange (MIII)
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR BHADRA-BANT	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1	404   965   0   0   0   112   125	96 0 669 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8  Imports  Avg (MW)  655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WISH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WORDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-ANBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4,0283 i.e. ALIPURDI 4MORY DALIPURDI 4MORY	404   404   965   0   0   0   112   137   147   147   1562   0   0   0   1147   1562   0   0   0   0   1147   1562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 WR-NR 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.1 1.5 62.3  Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -45.5 +ve)/Export(-ve) -24.2  6.6
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR BHADRA-BANT	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	404   404   965   0   0   0   112   137   147   147   1562   0   0   0   1147   1562   0   0   0   0   1147   1562   0   0   0   0   0   0   0   0   0	96 0 669 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 0.0 0.0 1.5 62.3	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8  Imports  Avg (MW)  655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WISH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WORDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-ANBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4,0283 i.e. ALIPURDI 4MORY DALIPURDI 4MORY	404   404   965   0   0   0   112   137   147   147   1562   0   0   0   1147   1562   0   0   0   0   1147   1562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 WR-NR 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.1 1.5 62.3  Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -45.5 +ve)/Export(-ve) -24.2  6.6
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WISH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WORDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-ANBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4,0283 i.e. ALIPURDI 4MORY TALIA DEL HIBARG MALBASE - BINAGG MALBASE - BI	404   965   0   0   0   112   112   112   112   112   112   112   113   114   115	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 WR-NR 1091 1803 0 0 75 WR-SR	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.1 1.5 62.3  Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -45.5 +ve)/Export(-ve) -24.2  6.6
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RURAHYA MALANPURA-RURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1	404   965   0   0   0   112   112   112   112   112   112   112   113   114   115	96 0 6609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3 Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 0.0 0.0 16.8 Import Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.1 -0.9 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA MALANPUR-AURATYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1	404   965     965     0   0     112     125	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.1 1.5 62.3 Min (MW)  0 1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RURAHYA MALANPURA-RURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	404   965     965     0   0     112     125	96 0 6609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3 Min (MW)	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 0.0 0.0 16.8 Import Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA MALANPUR-AURATYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 400KV MANGDECH 1,28A 1,6 LIPUCHED 400KV MANGDECH 1,28A 1,6 LIPUCH 400KV MANGDECH 1,28A 1,7 LIPUCH 400KV MANGDECH 1,28A 1,7 LIPUCH 4,7 LIPU	404   965     965     0   0     112     125	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.1 1.5 62.3 Min (MW)  0 1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRA-WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER ER  ER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 2 1	404   404   965   0   0   0   112   112   112   112   112   112   114   114   115	96 0 6609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3  Min (MW)  0  1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -1.1 -0.9 -0.0 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6 -6.8
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 250 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA MALANPUR-AURATYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 400KV MANGDECH 1,28A 1,6 LIPUCHED 400KV MANGDECH 1,28A 1,6 LIPUCH 400KV MANGDECH 1,28A 1,7 LIPUCH 400KV MANGDECH 1,28A 1,7 LIPUCH 4,7 LIPU	404   404   965   0   0   0   112   112   112   112   112   112   114   114   115	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.1 1.5 62.3 Min (MW)  0 1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 0.0 0.0 16.8  Import Avg (MW)  655  1009  273  28  35	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN REGION ER ER  ER  NER  NER  NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHE 1,2k3 Le ALIPURBU MANGDECHI HEP- 400kV TALA BINAGU MALBASE - BINAGU	404   404   965   0   0   0   0   112   132   0   0   112   132   0   0   1417   1417   1562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 24.8 0.0 0.0 0.0 1.5 62.3  Min (MW)  0 1001	0.0 0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -1.2 -0.5 -0.1 -0.9 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -25.1 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRA-WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER ER  ER  NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHE 1,2k3 Le ALIPURBU MANGDECHI HEP- 400kV TALA BINAGU MALBASE - BINAGU	404   404   965   0   0   0   112   112   112   112   112   112   114   114   115	96 0 6609 82 30 8 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3  Min (MW)  0  1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9  0.0 0.0 0.0 16.8  Import Avg (MW)  655  1009  273  28  35	5.0 22.6 -8.7 -1.2 -0.5 -1.1 -0.9 -0.0 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6 -6.8
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN REGION ER ER  ER  NER  NER  NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHE 1,2k3 Le ALIPURBU MANGDECHI HEP- 400kV TALA BINAGU MALBASE - BINAGU	404   404   965   0   0   0   0   112   112   1147   1147   1289   417   1147   11562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 24.8 0.0 0.0 0.0 1.5 62.3  Min (MW)  0 1001	0.0 0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -1.5 -1.7 -1.7 -1.7 -1.7 -1.7 -1.7 -1.7 -1.7
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-BURAHYA MALANPURA-BURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRA-WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZ-MMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER  ER  ER  ER  ER  NER  NER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1	404   404   965   0   0   0   0   112   112   112   112   10   0   1147   1147   1289   1147   1562   0   0   0   0   0   0   0   0   0	96 0 6609 82 30 82 30 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76 -240	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3  Min (MW)  0  1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 0.0 310.9 0.0 0.0 0.0 16.8 Import Avg (MW) 655 1009 273 28 35 -60	5.0 22.6 -8.7 -1.2 -0.5 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6 -6.7 -7.8 -7.8 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN REGION ER ER  ER  NER  NER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1	404   404   965   0   0   0   0   112   112   1147   1147   1289   417   1147   11562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 24.8 24.8 0.0 0.0 0.0 1.5 62.3  Min (MW)  0 1001	0.0 0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 310.9 0.0 0.0 2.5 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655	5.0 22.6 -8.7 -1.12 -0.5 -0.1 -0.9 -0.0 -0.0 -262.1  7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -1.5 -1.7 -1.4 -3.1
11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-BURAHYA MALANPURA-BURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRA-WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZ-MMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER  ER  ER  ER  ER  NER  NER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHE 40,2k3 i.e. ALIPURDU MANGDECHU HEP 400kV TALS BINAGG MALBASE - BINAGG	404   405   965   0   0   0   0   0   112   73   0   0   0   1147   2289   0   1147   2289   1147   2289   1417   1562   0   0   0   0   0   0   0   0   0	96 0 6609 82 30 82 30 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76 -240	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3  Min (MW)  0  1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 0.0 310.9 0.0 0.0 0.0 16.8 Import Avg (MW) 655 1009 273 28 35 -60	5.0 22.6 -8.7 -1.2 -0.5 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6 -6.7 -7.8 -7.8 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9
11 12 13 14 15 16 17 18 19 1 Import 1 2 3 4 4 4 5 6 7 8	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 142 kV 144 kV 145 kV 145 kV 146 kV 14	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-BURAHYA MALANPURA-BURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAL-LALITPUR With SR) BHADRA-WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZ-MMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER  ER  ER  ER  ER  NER  NER  NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 2 2 2 2 1 1 1 1 400KV MANGDECH 400KV MANGDECH 10,8A3 Ge ALPU HEP 400KV MANGDECH 10,8A3 GE ALPU 400KV MANGDECH 10,8A3 GE ALPU 400KV MALEASH 132 KV MOTANGA-R 132 KV MOTANGA-R 132 KV MOTANGA-R 132 KV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400KV DHALKEBAR- BHERAMARA B/B H 132 KV COMILLA-SU	404   405   965   0   0   0   0   0   112   73   0   0   0   1147   2289   0   1147   2289   1147   2289   1417   1562   0   0   0   0   0   0   0   0   0	96 0 6609 82 30 82 30 8 40 0 WR-NR 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76 -240	5.0 22.6 0.0 0.0 0.1 0.3 0.9 0.0 0.0 48.8 7.3 15.0 13.3 0.4 24.8 0.0 0.0 1.5 62.3  Min (MW)  0  1001	0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 0.0 310.9 0.0 0.0 0.0 16.8 Import Avg (MW) 655 1009 273 28 35 -60	5.0 22.6 -8.7 -1.2 -0.5 -8.7 -1.2 -0.5 -0.1 -0.9 -0.0 -0.0 -0.0 -262.1 -7.3 -15.0 -10.8 -13.9 -24.8 -0.0 -0.0 -1.5 -45.5 +ve)/Export(-ve) Energy Exchange (MII) -15.7 -24.2 -6.6 -6.7 -7.8 -7.8 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9
11 12 13 14 14 15 16 17 18 19 1 19 1 1 2 3 4 4 4 4 5 6 6 7 8	400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 155 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 155 kV 400 kV 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHUR WARDHANIZAMABAD IN Region ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHE 40,2k3 i.e. ALIPURDU MANGDECHU HEP 400kV TALS BINAGG MALBASE - BINAGG	404   405   965   0   0   0   0   0   112   73   0   0   0   1147   2289   0   1147   2289   1147   2289   1417   1562   0   0   0   0   0   0   0   0   0	96 0 0 609 82 30 8 8 40 0 WR-NR 0 0 1091 1803 0 0 75 WR-SR  Max (MW) 667 1979 320 39 41 -76 -240	5.0 22.6 0.0 0.0 0.1 0.1 0.3 0.9 0.0 48.8 7.3 15.0 13.3 0.4 224.8 0.0 0.0 0.0 1.5 62.3  Min (MW)  0 1001  0 29 0 -30 -2 -810	0.0 0.0 0.0 8.7 1.2 0.6 0.2 0.0 0.0 0.0 0.0 310.9 0.0 0.0 0.0 0.0 14.3 0.0 0.0 0.0 16.8 Imports Avg (MW) 655  1009 273 28 35 -60 -128	5.0 22.6 -8.7 -1.2 -1.2 -1.5 -1.1 -1.9 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0