

## 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: 19<sup>th</sup> May 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

Τo,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033

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

Sub: Daily PSP Report for the date 18.05.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18—मई -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 18<sup>th</sup> May 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: 19-May-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 43221 36479 37514 21876 141418 Peak Shortage (MW) 200 0 0 0 203 Energy Met (MU) 895 43 993 895 475 3300 Hydro Gen (MU) 185 375 108 111.92 Wind Gen (MU) 35 131 274 Solar Gen (MU)\* 18.16 5.01 0.12 160 Energy Shortage (MU) 3.45 0.00 0.00 0.000.04 3.49 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 48486 38588 40821 22179 146858 Time Of Maximum Demand Met (From NLDC SCADA) 00:01 00:00 12:45 21:11 19:00 00:01 B. Frequency Profile (%) Region All India 49.9 - 50.05 72.28 FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 > 50.05 0.044 0.00 C. Power Supply Position in States Max.Demand Shortage during Energy Met Energy Region States Met during the Schedule Shortage maximum (MU) (MU) (MW) day(MW) Demand(MW) (MU) (MU) 154.2 144 -0.2 Punjab 6922 98.1 0.00 Haryana 6797 142.4 119.2 0.00 -1.1 Rajasthan 8612 174.5 37.7 -5.7 346 0.00 58.9 Delhi 4161 -1.1 118 NR UP 17559 330.1 137.1 460 0.00 Uttarakhand 1649 37.0 18.2 0.00 HP 1342 26.8 8.4 0.5 120 0.00 J&K(UT) & Ladakh(UT) 2549 49.6 33.3 0.5 3.45 Chandigarh 199 4.4 4.5 -0.1 0.00 44.1 3779 88.8 0.1 257 Chhattisgarh 0.00 Gujarat 9125 179.3 911 0.00 177.6 89.5 -2.0 MP 8024 0 457 0.00WR Maharashtra 18020 0 414.2 129.0 669 0.00 Goa 351 6.1 6.2 -0.30.00 199 DNH 506 10.2 10.0 0.2 74 0.00 AMNSIL 14.1 -0.6 300 0.00 Andhra Pradesh 9289 193.3 97.3 1304 0.00 Telangana 7258 151. 51.8 -0.7 351 0.00 58.4 36.1 SR Karnataka 8944 176.7 -0.7 522 0.00 344 3118 Kerala 61.3 -0.2 0.00 Tamil Nadu 13797 303.8 177.1 -1.0 0.00 382 5447 8.2 Puducherry 0 8.1 -0.240 0.00 Bihar 107.4 99.3 DVC 2906 62.2 -45.8-0.3 313 0.00 Jharkhand 1463 24.3 184 ER Odisha 5983 111.7 45.7 -0.3 439 0.00 West Bengal 45.1 364 164.7 -1.8 Sikkim 66 1.0 1.6 -0.6 10 0.00 Arunachal Pradesh 100 2.0 2.1 -0.1 125 0.01 Assam 1441 23.7 20.1 0.1 124 0.00 2.5 Manipur 189 2.4 0.0 33 0.01 NER Meghalaya 0.0 0.00 1.7 109 1.6 -0.1 0.01 Mizoram 16 Nagaland 124 0.0 10 0.01 Tripura 318 0.00 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan Nepal Bangladesh Actual (MU) Day Peak (MW)  $E.\ Import/Export\ by\ Regions\ (in\ MU)\ -\ Import(+ve)/Export(-ve);\ OD(+)/UD(-)$ NR WR SR ER NER TOTAL Schedule(MU) 246.0 218.4 -307.6 -333.8 126.4 141.4 -69.0 0.0 Actual(MU) O/D/U/D(MU) -39. F. Generation Outage(MW) NR 5952 SR 10232 % Share Central Sector 19031 218 1068 36500 41 State Sector Total 13648 19599 12475 22707 52926 G. Sourcewise generation (MU) NR WR SR ER NER All India % Share Coal Lignite Hydro Nuclear 66 125 Gas, Naptha & Diesel RES (Wind, Solar, Biomass & Others) 791

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Share of RES in total generation (%)

 Based on Regional Max Demands
 1.040

 Based on State Max Demands
 1.091

Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)

9.78

37.08

12.08

0.94

30.94

13.90

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: 19-May-2021

						Date of Reporting:	19-May-2021
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (V				1			
1 HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2 HVDC	PUSAULI B/B	- :	0	248	0.0	6.0	-6.0
	GAYA-VARANASI	2	137 175	495 128	0.0	4.4 0.0	-4.4 0.9
	SASARAM-FATEHPUR GAYA-BALIA	1	0	517	0.9	7.6	-7.6
6 400 kV	PUSAULI-VARANASI	1	0	250	0.0	4.9	-4.9
	PUSAULI -ALLAHABAD	1	0 52	75 453	0.0	0.8 4.4	-0.8 -4.4
	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	4	0	709	0.0	10.1	-4.4 -10.1
	BIHARSHARIFF-BALIA	2	87	184	0.0	1.5	-1.5
11 400 kV	MOTIHARI-GORAKHPUR	2	0	317	0.0	3.9	-3.9
12 400 kV	BIHARSHARIFF-VARANASI	2	115	195	0.0	0.8	-0.8
	PUSAULI-SAHUPURI SONE NAGAR-RIHAND	+	69	123	0.0	0.2 0.0	-0.2 0.0
	GARWAH-RIHAND	î	20	0	0.2	0.0	0.2
16 132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI	11	0	0 ER-NR	0.0	0.0 44.4	0.0 -43.4
Import/Export of ER (V	With WR)			ER-M	1.0	77.7	-43.4
	JHARSUGUDA-DHARAMJAIGARH	4	2001	0	25.7	0.0	25.7
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	1423	0	22.9	0.0	22.9
	JHARSUGUDA-DURG	2	341	0	5.4	0.0	5.4
	JHARSUGUDA-RAIGARH	4	439	0	5.9	0.0	5.9
	RANCHI-SIPAT	2	420	0	6.7	0.0	6.7
	BUDHIPADAR-RAIGARH	1	39	67	0.0	0.2	-0.2
	BUDHIPADAR-KORBA	2	220	0	3.7	0.0	3.7
				ER-WR	70.1	0.2	69.9
Import/Export of ER (V				2002		0 =	
	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR RIPOLE	2 2	0	392 1985	0.0	8.7 43.2	-8.7 -43.2
	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2	0	1985 2990	0.0	51.1	-43.2 -51.1
4 400 kV	TALCHER-I/C	2	0	1238	0.0	17.5	-17.5
5 220 kV	BALIMELA-UPPER-SILERRU	1	1	0 ED CD	0.0	0.0	0.0
Import/Export of ER (V	With NER)			ER-SR	0.0	103.0	-103.0
	BINAGURI-BONGAIGAON	2	233	2.	2.4	0.0	2.4
2 400 kV	ALIPURDUAR-BONGAIGAON	2	298	52	2.0	0.0	2.0
	ALIPURDUAR-SALAKATI	2	55	18	0.3	0.0	0.3
Import/Export of NER	(With NP)			ER-NER	4.7	0.0	4.7
1 HVDC	BISWANATH CHARIALI-AGRA	2	466	0	10.6	0.0	10.6
			700	NER-NR	10.6	0.0	10.6
Import/Export of WR (							
	CHAMPA-KURUKSHETRA	2	202	3529	0.0	58.8 1.1	-58.8
2 HVDC 3 HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	203	54 594	0.4	13.3	-0.7 -13.3
	GWALIOR-AGRA	2	0	2866	0.0	53.8	-53.8
	PHAGI-GWALIOR	2	0	1168	0.0	18.5	-18.5
6 765 kV	JABALPUR-ORAI	2	501	904	0.0	30.6	-30.6
6 765 kV 7 765 kV	JABALPUR-ORAI GWALIOR-ORAI	1	472	904	0.0 8.0	30.6 0.0	-30.6 8.0
6 765 kV 7 765 kV 8 765 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI		472 0	904 0 1480	0.0 8.0 0.0	30.6 0.0 30.3	-30.6 8.0 -30.3
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI	1 1 2 1	472 0 246 2	904 0 1480 1042 116	0.0 8.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2	-30.6 8.0 -30.3 -14.4 -1.2
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL	1 1 2 1 1	472 0 246 2 225	904 0 1480 1042 116 104	0.0 8.0 0.0 0.0 0.0 1.1	30.6 0.0 30.3 14.4 1.2 0.0	-30.6 8.0 -30.3 -14.4 -1.2
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND	1 1 2 1 1 1	472 0 246 2 225 968	904 0 1480 1042 116 104 0	0.0 8.0 0.0 0.0 0.0 1.1 22.7	30.6 0.0 30.3 14.4 1.2 0.0 0.0	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL RIHAND RAPP-SHUJALPUR	1 1 2 1 1	472 0 246 2 225	904 0 1480 1042 116 104	0.0 8.0 0.0 0.0 0.0 1.1	30.6 0.0 30.3 14.4 1.2 0.0	-30.6 8.0 -30.3 -14.4 -1.2
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 1 2 1 1 1	472 0 246 2 225 968 80 0	904 0 1480 1042 116 104 0 354 88 30	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAHYA	1 1 2 1 1 1 1 2 1 1 1 1 1	472 0 246 2 225 968 80 0 0	904 0 1480 1042 116 104 0 354 88 30 42	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHIJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 2 1 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1	472 0 246 2 225 968 80 0 24 4	904 0 1480 1042 116 104 0 354 88 30 42 53	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAHYA	1 1 2 1 1 1 1 2 1 1 1 1 1	472 0 246 2 225 968 80 0 0	904 0 1480 1042 116 104 0 354 88 30 42 53 0	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.0 0.0 0.0	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 490 kV 11 490 kV 12 400 kV 13 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 2 1 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1	472 0 246 2 225 968 80 0 0 24 4	904 0 1480 1042 116 104 0 354 88 30 42 53	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RAPPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 2 2 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	90 472 0 0 0 246 2 225 968 80 0 0 24 4 4 0 0 0 0	904 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR	0.0 8.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 490 kV 11 490 kV 12 400 kV 13 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV	JABALPUR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SIR	1 1 2 2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1	472 0 246 2 225 968 80 0 0 24 4 0 0	904 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 11.4 1.2 0.0 0.0 0.0 1.2 0.8 0.7 0.7 0.4	-30.6 -8.0 -30.3 -14.4 -1.2 -1.1 -2.2,7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -1.96.2
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR ( 1 HVDC 2 HVDC	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SR) BHADRIA-LALITPUR WISH SR) BHADRIA-LALITPUR WISH SR) BHADRAWAIT B/B RAJGARH-PUGALUR	1 1 2 2 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	90 472 0 0 0 246 2 225 968 80 0 0 24 4 4 0 0 0 0	904 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR	0.0 8.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7	-30.6 8.0 -30.3 -14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 19 132 kV 19 153 kV 19 153 kV 19 153 kV 19 155 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 2 2	472 0 246 2 22 225 968 80 0 24 4 0 0	904 0 1480 1042 116 1042 116 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571	0.0 8.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.7 0.0 0.0 228.7	30.6 8.0 30.3 14.4 11.2 1.1 22.7 3.7 1.1.2 0.8 0.7 -0.1 0.0 196.2
6 765 kV 8 755 kV 8 765 kV 8 1765 kV 10 400 kV 11 400 kV 12 400 kV 13 460 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 Huport/Export of WR ( 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAIRHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHANDAWAIT BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	472 0 246 22 225 968 80 0 24 4 0 0 216 0 721 0 637	904 0 1480 1042 116 0 354 88 88 30 42 53 0 WR-NR 316 2007 2152 2571 180	0.0 8.0 0.0 0.0 1.1 22.7 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -196.2 -18.6 -37.0
6 765 kV 7 765 kV 8 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 216 0 721 0 637	904 0 1480 1042 116 104 0 354 88 30 0 WR-NR  316 2007 2152 2571 180 0	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7 228.7 21.8 13.6 37.0 0.0	30.6 8.0 30.3 14.4 1-1.2 1.1 1.1 1.1 22.7 -3.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2 -18.6 -18.6 -37.0 -37.0 -36.0 -0.0
6 765 kV 8 755 kV 8 765 kV 8 1765 kV 10 400 kV 11 400 kV 12 200 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 Huport/Export of WR ( 1 HyDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAIRHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHANDAWAIT BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	472 0 246 22 225 968 80 0 24 4 0 0 216 0 721 0 637	904 0 1480 1042 116 0 354 88 88 30 42 53 0 WR-NR 316 2007 2152 2571 180	0.0 8.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 8.0 30.3 14.4 -1.2 1.1 22.7 3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -196.2 4.4 -21.8 -37.0
6 765 kV 8 755 kV 8 765 kV 8 1765 kV 10 400 kV 11 400 kV 12 200 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 Huport/Export of WR ( 1 HyDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAIRHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIGHANASWAI MADHOPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIGHANASWAI MADHOPUR BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 0 216 0 721 0 0 637 0	904 0 1480 1042 116 0 354 88 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 14.4 -1.2 1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -196.2  4.4 -21.8 -37.0 -37.0 -0.0 -0.0 -0.0
6 765 kV 8 755 kV 8 765 kV 8 1765 kV 10 400 kV 11 400 kV 12 200 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 Huport/Export of WR ( 1 HyDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 216 0 721 0 0 0 0 0 0 0 0 0 0 0 0 0	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 91	0.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 228.7 21.8 18.6 37.0 0.0 0.0 0.0 0.0 77.8	30.6 8.0 30.3 14.4 1.2 1.1 22.7 3.7 1.2 2.8 1.2 0.8 0.7 0.0 0.0 0.0 1.7 2.1.8 1.8.6 3.7.0 1.7 4.4 2.1.8 3.7.0 0.0 0.0 0.0 1.7 4.4 2.1.8 3.7.0 4.4 2.1.8 3.7.0 4.4 2.1.8 3.7.0 4.4 4.4 4.4 4.4 4.5 4.5 4.6 6.6 6.6 6.6 6.7 4.4 4.7 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4
6 765 kV 8 7 765 kV 8 8 765 kV 8 1765 kV 10 400 kV 111 400 kV 112 400 kV 113 400 kV 114 220 kV 115 220 kV 116 220 kV 117 220 kV 119 132 kV 119 132 kV 119 132 kV 119 155 kV 120 kV 14 765 kV 5 400 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SRI BHADRAWATI B-B RAIGARH-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 244 0 0 241 0 0 241 0 0 0 216 0 0 721 0 0 0 0 CHANGES	904 0 1480 1042 116 0 354 88 88 30 42 42 53 0 WR-NR 316 2007 2152 2571 180 0 91	0.0 8.0 0.0 0.0 0.0 1.1 22.7 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 14.4 -1.2 1.1 1.1 22.7 -3.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2 -18.6 -18.6 -37.0 5.6 0.0 0.0 -1.7 -6.5.7 -+ve/Export(-ve)
6 765 kV 8 755 kV 8 765 kV 8 1765 kV 10 400 kV 11 400 kV 12 200 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 Huport/Export of WR ( 1 HyDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   0   246   225   968   80   0   0   24   4   0   0   0   1   0   0   0   0   0   0	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 91	0.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 228.7 21.8 18.6 37.0 0.0 0.0 0.0 0.0 77.8	30.6 8.0 30.3 14.4 1.2 1.1 22.7 3.7 1.2 2.8 1.2 0.8 0.7 0.0 0.0 0.0 1.7 2.1.8 1.8.6 3.7.0 1.7 4.4 2.1.8 3.7.0 0.0 0.0 0.0 1.7 4.4 2.1.8 3.7.0 4.4 2.1.8 3.7.0 4.4 2.1.8 3.7.0 4.4 4.4 4.4 4.4 4.5 4.5 4.6 6.6 6.6 6.6 6.7 4.4 4.7 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4
6 765 kV 8 7 765 kV 8 8 765 kV 8 1765 kV 10 400 kV 111 400 kV 112 400 kV 113 400 kV 114 220 kV 115 220 kV 116 220 kV 117 220 kV 119 132 kV 119 132 kV 119 132 kV 119 155 kV 120 kV 14 765 kV 5 400 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPPUR-RAICHUR WORDHAN-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 21 24 0 0 0 CHANGES  Name U-ALIPURDUAR 1&2	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 WR-SR	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  21.8 13.6 37.0 0.0 0.0 0.0 0.0 T7.8  Import( Avg (MW)	30.6 8.0 30.3 14.4 1.2 1.1 1.1 22.7 -3.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2 -196.2 -18.6 -18.6 -37.0 -5.6 0.0 0.0 -17.5 -65.7 -4-ve)/Export(-ve) Energy Exchange
6 765 kV 8 7 765 kV 8 8 765 kV 8 1765 kV 10 400 kV 111 400 kV 112 400 kV 113 400 kV 114 220 kV 115 220 kV 116 220 kV 117 220 kV 119 132 kV 119 132 kV 119 132 kV 119 155 kV 120 kV 14 765 kV 5 400 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SRI BHADRAWATI B-B RAIGARH-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   0     246     2   2   2   2   2   2   2   2   2	904 0 1480 1042 116 0 354 88 88 30 42 42 53 0 WR-NR 316 2007 2152 2571 180 0 91	0.0 8.0 0.0 0.0 0.0 1.1 22.7 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 14.4 -1.2 1.1 1.1 22.7 -3.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2 -18.6 -18.6 -37.0 5.6 0.0 0.0 -1.7 -6.5.7 -+ve/Export(-ve)
6 765 kV 8 7 765 kV 8 8 765 kV 8 1765 kV 10 400 kV 111 400 kV 112 400 kV 113 400 kV 114 220 kV 115 220 kV 116 220 kV 117 220 kV 119 132 kV 119 132 kV 119 132 kV 119 155 kV 120 kV 14 765 kV 5 400 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAI VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WICKANYA BHANPURA-WICKANYA WILLIAM BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA SOMALORAYA BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA BURANYA BUR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   0   246   22   225   968   80   0   24   4   0   0   24   4   0   0   0   216   0   721   0   637   0   0   0   0   0   CHANGES   Name   U-ALIPURDUAR I & CEIPT (from #180MW)   781 I, 24 (4 400W)   24   24   25   25   25   25   25   25	904 0 1480 1042 116 106 107 116 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR	0.0 8.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 0.0 4.7 2.8 Imports  Avg (MW)	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -196.2  4.4 -21.8 -37.0 -37.0 -3.7 -4.0 -1.7 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1
6 765 kV 8 7 765 kV 8 8 765 kV 8 1765 kV 10 400 kV 111 400 kV 112 400 kV 113 400 kV 114 220 kV 115 220 kV 116 220 kV 117 220 kV 119 132 kV 119 132 kV 119 132 kV 119 155 kV 120 kV 14 765 kV 5 400 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPPUR-RAICHUR WORDHAN-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 24 22 225 968 80 0 0 24 4 0 0 216 0 0 721 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 WR-SR	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  21.8 13.6 37.0 0.0 0.0 0.0 0.0 T7.8  Import( Avg (MW)	30.6 8.0 30.3 14.4 1.2 1.1 1.1 22.7 -3.7 -3.7 -1.2 -0.8 -0.7 -0.1 0.0 -196.2 -196.2 -18.6 -18.6 -37.0 -5.6 0.0 0.0 -17.5 -65.7 -4-ve)/Export(-ve) Energy Exchange
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR Wih SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPPUR-RAICHUR WORDHAN-KUNGI KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 24 4 0 0  216 0 0  CHANGES  C	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 WR-SR  Max (MW) 345	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8 Import( Avg (MW)	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -196.2  4.4 -21.8 -37.0 -37.0 -3.7 -4.0 -1.7 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1
6 765 kV 8 7 765 kV 8 8 765 kV 8 1765 kV 10 400 kV 111 400 kV 112 400 kV 113 400 kV 114 220 kV 115 220 kV 116 220 kV 117 220 kV 119 132 kV 119 132 kV 119 132 kV 119 155 kV 120 kV 14 765 kV 5 400 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAI VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WICKANYA BHANPURA-WICKANYA WILLIAM BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA SOMALORAYA BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA BHANPURA-WICKANYA BURANYA BUR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   0   246   2   2   2   2   2   2   2   2   2	904 0 1480 1042 116 106 107 116 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR	0.0 8.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 0.0 4.7 2.8 Imports  Avg (MW)	30.6 8.0 30.3 14.4 1.1 22.7 3.7 1.2 20.7 3.7 1.2 0.8 0.7 0.0 0.0 196.2 4.4 221.8 18.6 37.0 0.0 1.7 1.7 1.7 4.8 18.6 37.0 1.7 4.8 4.7 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR Wih SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPPUR-RAICHUR WORDHAN-KUNGI KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   0   246   2   2   2   2   2   2   2   2   2	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 WR-SR  Max (MW) 345	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8 Import( Avg (MW)	30.6 8.0 30.3 14.4 1.1 2.1 2.7 2.7 2.7 2.7 2.7 2.7 2.0.8 0.0 0.0 0.0 0.0 2.196.2 2.18 2.18.6 2.18.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR Wih SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPPUR-RAICHUR WORDHAN-KUNGI KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 225 225 968 80 0 0 24 4 4 0 0 24 4 0 0 0 721 0 0 721 0 637 0 0 0 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) 81 1,2.4 ft. 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI HEP (6*170MW)	904 0 1480 0 1480 1042 116 104 0 354 88 30 0 WR-NR 316 2007 2152 2571 180 0 WR-SR  Max (MW) 345	0.0 8.0 0.0 0.0 0.0 0.0 1.1 1.22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8 Import( Avg (MW)	30.6 8.0 30.3 14.4 1.1 2.1 2.7 2.7 2.7 2.7 2.7 2.7 2.0.8 0.0 0.0 0.0 0.0 2.196.2 2.18 2.18.6 2.18.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAL YINDHYACHAL -RHIAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WIRAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 225 225 968 80 0 0 24 4 4 0 0 24 4 0 0 0 721 0 0 721 0 637 0 0 0 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) 81 1,2.4 ft. 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI HEP (6*170MW)	904 0 1480 0 1480 1042 116 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR	0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 37.8 Imports Avg (MW) 316	30.6 8.0 30.3 14.4 1.1 22.7 3.7 1.2 20.7 3.7 1.2 0.8 0.7 0.0 0.0 0.0 196.2 4.4 221.8 18.6 37.0 0.0 1.7 4.9 1.7 4.9 1.7 4.8 18.6 37.0 5.6 0.0 1.7 4.8 18.6 37.0 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARR-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHIS SIN BHADRAWATI B/B RAIGARAH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 24 4 0 0 26 4 4 0 0 6 72 1 6 72 1 0 0 72 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	904 0 1480 1042 116 104 0 354 88 30 42 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR  Max (MW) 345 223	0.0 0.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8 Import( Avg (MW)  316	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -9.8 -9.7 -9.7 -9.1 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -196.2 -18.6 -3.7 -3.7 -4.8 -5.6 -0.0 -1.7 -4.8 -5.6 -5.6 -5.6 -5.6 -5.6 -5.6 -5.6 -5.6
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAL YINDHYACHAL -RHIAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WIRAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 24 4 0 0 24 4 0 0 26 4 4 0 0 6 72 1 6 72 1 0 0 72 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	904 0 1480 0 1480 1042 116 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR	0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 37.8 Imports Avg (MW) 316	30.6 8.0 30.3 14.4 1.1 22.7 3.7 1.2 20.7 3.7 1.2 0.8 0.7 0.0 0.0 0.0 196.2 4.4 221.8 18.6 37.0 0.0 1.7 4.9 1.7 4.9 1.7 4.8 18.6 37.0 5.6 0.0 1.7 4.8 18.6 37.0 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WIRAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  FR  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 24 22 225 968 80 0 0 24 4 0 0 24 4 0 0 0 21 637 0 637 0 0 0 CHANGES  Name  U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,2,4 (& 400kV R) IRI 1,2,4	904 0 1480 0 1480 1042 116 104 0 0 355 35 30 0 WR-NR 316 2007 2152 2571 2571 WR-SR  Max (MW) 345 223	0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 11.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8  Imports  Avg (MW)  316  211	30.6 8.0 30.3 14.4 1.1 22.7 3.7 1.2 22.7 3.7 1.2 0.8 0.7 0.0 0.0 0.0 196.2 4.4 21.8 18.6 37.0 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARR-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHIS SIN BHADRAWATI B/B RAIGARAH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER	1	472   0   0   246   2   2   2   2   2   2   2   2   2	904 0 1480 1042 116 104 0 354 88 30 42 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR  Max (MW) 345 223	0.0 0.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8 Import( Avg (MW)  316	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -9.8 -9.7 -9.7 -9.1 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -196.2 -18.6 -3.7 -3.7 -4.8 -5.6 -0.0 -1.7 -4.8 -5.6 -5.6 -5.6 -5.6 -5.6 -5.6 -5.6 -5.6
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARR-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SR BHADRAWATI B-B BHADRAWATI B-B BHADRAWATI B-B RAIGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  RE  ER  ER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   1   246   2   2   2   2   2   2   2   2   2	904 0 1480 0 1480 1042 116 104 0 0 355 35 30 0 WR-NR 316 2007 2152 2571 2571 WR-SR  Max (MW) 345 223	0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 14.4 1.1 22.7 3.7 1.2 22.7 3.7 1.2 0.8 0.7 0.0 0.0 0.0 196.2 4.4 21.8 18.6 37.0 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WIRAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  FR  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   0   246   2   2   2   2   2   2   2   2   2	904 0 1480 0 1480 1042 116 104 0 0 355 35 30 0 WR-NR 316 2007 2152 2571 2571 WR-SR  Max (MW) 345 223	0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 11.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8  Imports  Avg (MW)  316  211	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.1 -0.0 -0.0 -196.2  4.4 -21.8 -18.6 -37.0 -1.7 -65.7 -+ve)/Export(-ve) Energy Exchange (MII) 7.6 5.1 -0.1
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARR-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SR BHADRAWATI B-B BHADRAWATI B-B BHADRAWATI B-B RAIGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  RE  ER  ER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472   0   1   246   2   2   2   2   2   2   2   2   2	904 0 1480 1042 116 104 104 104 0 354 88 30 42 42 353 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR  Max (MW) 345 223	0.0 0.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -196.2 -196.2 -196.2 -196.2 -196.2 -196.2 -196.3 -196.2 -196.5 -1.6 -1.6
6 765 kV 7 765 kV 8 765 kV 9 765 kV 9 765 kV 10 400 kV 11 400 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARR-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SR BHADRAWATI B-B BHADRAWATI B-B BHADRAWATI B-B RAIGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  RE  ER  ER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 0 24 4 0 0 0 24 4 0 0 0 721 0 0 721 0 637 0 0 0 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 180 MW) RI 1: A 400 W MW M	904 0 1480 1042 116 104 104 104 0 354 88 30 42 42 42 207 2152 2571 180 0 91 WR-SR  Max (MW)  345 223	0.0 0.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 114.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -196.2 -196.2 -196.2 -196.2 -196.2 -196.2 -196.3 -196.2 -196.5 -1.6 -1.6
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 11 490 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 1 mport/Export of WR (2 kV) 4 765 kV 5 400 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRIAR-WANTE BB RAIGARH-PUGALUR SOLAPUR-RAUBAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUBAIYA KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI  RE  ER  PR  FR  NER  NER  NER	1	472 0 246 22 225 968 80 0 0 0 24 4 0 0 0 24 4 0 0 0 721 0 0 721 0 637 0 0 0 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 180 MW) RI 1: A 400 W MW M	904 0 1480 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR   Max (MW) 345 223 92 -16 29 -78	0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8  Import(  Avg (MW)  316  211  63  -6  -68	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.1 -0.0 -0.0 -0.0 -196.2  4.4 -21.8 -18.6 -37.0 -5.6 -0.0 -196.2  4.4 -21.8 -37.0 -5.5 -1.6 -1.6 -1.5 -0.1 -7.6 -1.6 -7.9
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 11 490 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 1 mport/Export of WR (2 kV) 4 765 kV 5 400 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIN BRANPURA-MORAK MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIN BR BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN REGION ER  ER  ER  NER  NER  NER  NER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472	904 0 1480 1042 116 104 104 106 109 354 88 88 30 30 WR-NR 316 2007 2152 2571 180 0 91 WR-SR  Max (MW) 345 223 92 -16 29 -78 -348	0.0 0.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 11.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-30.6 -8.0 -30.3 -14.4 -1.2 -1.1 -22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -0.0 -196.2 -14.4 -21.8 -21.8 -37.0 -37.0 -1.7 -6.5.7 -4.0 -1.7 -6.5.7 -4.1 -1.5 -6.5 -7.9 -3.0
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 11 490 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 1 mport/Export of WR (2 kV) 4 765 kV 5 400 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALJOR-ORAI GWALJOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRIAR-WANTE BB RAIGARH-PUGALUR SOLAPUR-RAUBAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUBAIYA KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI  RE  ER  PR  FR  NER  NER  NER	1	472	904 0 1480 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR   Max (MW) 345 223 92 -16 29 -78	0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 77.8  Import(  Avg (MW)  316  211  63  -6  -68	30.6 8.0 30.3 -14.4 -1.2 -1.1 22.7 -3.7 -1.2 -0.8 -0.1 -0.0 -0.0 -0.0 -196.2  4.4 -21.8 -18.6 -37.0 -5.6 -0.0 -196.2  4.4 -21.8 -37.0 -5.5 -1.6 -1.6 -1.5 -0.1 -7.6 -1.6 -7.9
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 112 490 kV 13 490 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 490 kV 5 220 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WARAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUBHAND KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI NR  Region  ER  ER  NER  RE  BR  ER  ER  ER  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472	904 0 1480 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR   Max (MW) 345 223 92 -16 29 -78 -348 178	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 37.1 21.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 14.4 1.1 2.1 1.1 2.2.7 3.7 -1.2 0.8 -0.7 -0.1 0.0 0.0 1.96.2 4.4 -2.1.8 -1.8.6 3.7.0 1.7 -6.5.7 -+ve)/Export(-ve) Energy Exchange (MII) 7.6 5.1 1.5 -0.1 0.5 -1.6 -7.9 -3.0
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 11 490 kV 12 400 kV 13 400 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 1 mport/Export of WR (2 kV) 4 765 kV 5 400 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHTTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIN BRANPURA-MORAK MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIN BR BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN REGION ER  ER  ER  NER  NER  NER  NER  ER	TERNATIONAL EX  TERNATIONAL EX  2 2 2 1 1 1 1 2 1 1 1 2 1 1 1 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1	472 0 246 22 225 968 80 0 0 24 4 24 4 0 0 24 4 0 0 0 721 0 0 721 0 0 637 0 0 0 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (4 400KV RI) i.e. BIRNAGURI HEP (6*170MW) PARA 1&2 (& 220KV A) i.e. BIRNAGURI HEP (6*170MW) CHANGES U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (4 400KV RI) i.e. BIRNAGURI HEP (6*170MW) CHANGES U-ALIPURDUAR 1&2 CEIPT (from *180MW) CHANGES CEIPT (from *180MW)	904 0 1480 1042 116 104 104 106 109 354 88 88 30 30 WR-NR 316 2007 2152 2571 180 0 91 WR-SR  Max (MW) 345 223 92 -16 29 -78 -348	0.0 0.0 0.0 0.0 0.0 1.1 22.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	30.6 0.0 30.3 11.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 1.2 0.8 0.7 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 -14.4 -1.1 22.7 -3.7 -1.2 -0.8 -0.7 -0.1 -0.0 -0.0 -0.0 -196.2  4.4 -21.8 -18.6 -37.0 -1.7 -40.1 -17 -65.7 -40.1 -1.7 -65.7 -40.1 -1.5 -65.7 -40.1 -1.5 -6.1 -6.5 -7.9 -6.5 -7.9 -3.0
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 112 490 kV 13 490 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 490 kV 5 220 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WARAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUBHAND KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI NR  Region  ER  ER  NER  RE  BR  ER  ER  ER  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472 0 246 22 225 968 80 0 0 0 24 4 0 0 24 4 0 0 0 721 0 0 721 0 0 721 0 0 637 0 0 0 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) FIRE 1,24 (4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	904 0 1480 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR   Max (MW) 345 223 92 -16 29 -78 -348 178	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 37.1 21.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 -14.4 -1.1 -1.1 -1.2 -1.7 -1.2 -1.2 -1.8 -0.7 -0.1 -0.0 -0.0 -0.0 -196.2 -196.2 -18.6 -37.0 -1.18.6 -37.0 -1.18.6 -37.0 -1.18.6 -37.0 -3.10 -3
6 765 kV 7 765 kV 8 765 kV 8 765 kV 10 490 kV 11 490 kV 112 490 kV 13 490 kV 14 220 kV 15 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1mport/Export of WR (1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 490 kV 5 220 kV 8 220 kV 8 220 kV	JABALPUR-ORAI GWALIOR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-HINMAI VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHANPURA-WARAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAUBHAND KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI NR  Region  ER  ER  NER  RE  BR  ER  ER  ER  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	472	904 0 1480 0 1480 1042 116 104 0 354 88 30 42 53 0 WR-NR 316 2007 2152 2571 180 0 91 WR-SR   Max (MW) 345 223 92 -16 29 -78 -348 178	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 0.0 30.3 14.4 1.2 0.0 0.0 3.7 1.2 0.8 0.7 0.4 0.0 0.0 228.7  0.4 21.8 18.6 37.0 0.0 0.0 0.0 0.0 37.1 21.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	30.6 8.0 30.3 -14.4 -1.1 -1.1 -1.2 -1.7 -1.2 -1.2 -1.8 -0.7 -0.1 -0.0 -0.0 -0.0 -196.2 -196.2 -18.6 -37.0 -1.18.6 -37.0 -1.18.6 -37.0 -1.18.6 -37.0 -3.10 -3