

## 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> June 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

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

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

Sub: Daily PSP Report for the date 18.06.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-जून-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> June 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-Jun-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 54572 44576 38921 19748 160542 Peak Shortage (MW) 200 0 0 202 Energy Met (MU) 53 1287 1080 931 415 3766 Hydro Gen (MU) 324 611 109 319 159 3.54 Wind Gen (MU) 90 Solar Gen (MU)\* 0.08 Energy Shortage (MU) 3.50 0.00 0.00 0.00 0.04 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 58730 46607 42600 20015 2874 163319 Time Of Maximum Demand Met (From NLDC SCADA) 00:01 10:25 09:23 20:35 10:25 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 0.033 0.00 83.10 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) 261.8 250 -0.7 Punjab 11559 166.2 0.00Haryana 195.3 149.0 0.0 0.00 243.3 Rajasthan 11105 114.1 2.0 431 0.00 96.4 151.7 Delhi 109.0 186 NR UP 18059 353.4 -1.4 417 0.05 Uttarakhand 1781 40.0 14.8 0.4 116 0.00 HP 1472 30.0 1.1 0.00 J&K(UT) & Ladakh(UT) 49.3 22.8 1.8 3.45 Chandigarh 280 5.8 -0.2 0.00 79.8 3348 30.3 1.0 333 Chhattisgarh 0.00 Gujarat 15233 326.7 156.3 888 0.00 8391 191.2 -1.1 MP 0 105.2 557 0.00WR Maharashtra 19962 425.8 134.7 600 0.00 Goa 513 11.1 9.0 1.6 0.00 DNH 787 18.1 18.0 0.1 82 0.00 AMNSIL 895 19.9 0.1 267 0.00 Andhra Pradesh 8780 184.9 58.8 0.8 0.00 Telangana 8312 170.9 74.3 416 -0.3 0.00 SR Karnataka 8671 162.1 38.6 -1.3 954 0.00 3228 282 Kerala 68.0 36.6 -0.2 0.00 Tamil Nadu 14843 336.9 131.9 0.1 823 0.00 Puducherry 402 0 8.5 8.6 -0.1 48 0.00 Bihar 5219 92.1 509 DVC 2967 64.3 -41.6 0.9 0.00 Jharkhand 1400 20.6 -1.4 ER Odisha 4739 100.9 32.3 -0.9 243 0.00 West Bengal 6899 31.6 Sikkim 91 0.5 0.9 85 0.00 Arunachal Pradesh 132 2.1 1.9 0.1 65 0.01 Assam 1834 34.4 0.2 0.00 Manipur 192 2.6 0.0 0.01 NER Meghalaya 303 5.5 -0.1 -0.1 0.00 102 1.7 1.6 0.01 Mizoram Nagaland 137 2.6 -0.1 0.01 Tripura 241 -0.4 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 ER NER TOTAL Schedule(MU) 356.8 341.8 -215.4 -208.5 -150.7 -141.8 2.0 0.3 Actual(MU) O/D/U/D(MU) -4.6 F. Generation Outage(MW) SR 8372 % Share Central Sector 8017 19958 680 888 37915 State Sector Total 13003 13848 22220 5617 G. Sourcewise generation (MU) NR WR SR ER NER All India % Share Coal Lignite Hydro 611 Nuclear 31 23 120 Gas, Naptha & Diesel RES (Wind, Solar, Biomass & Others)

> 8.75 15.57

35.98

0.81

6.97

43.96

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.046
Based on State Max Demands	1.095

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

Share of RES in total generation (%)

13.59

0.14

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-Jun-2021

						Date of Reporting:	19-Jun-2021
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
No Import/Export of ER		1101 Of Circuit	max import (mm)	mus Export (mm)	Import (Me)	<b>-</b>	1121 (110)
1 HVDC	ALIPURDUAR-AGRA	2	0	853	0.0	20.1	-20.1
2 HVDC	PUSAULI B/B	-	0	249	0.0	6.0	-6.0
3 765 kV 4 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	2	0	1003 322	0.0	16.8 5.6	-16.8 -5.6
5 765 kV	GAYA-BALIA	1	0	635	0.0	10.4	-10.4
6 400 kV	PUSAULI-VARANASI	1	0	181	0.0	3.7	-3.7
7 400 kV 8 400 kV	PUSAULI -ALLAHABAD	1	0	123 736	0.0	2.1 13.4	-2.1 -13.4
9 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	4	0	1117	0.0	18.4	-13.4 -18.4
10 400 kV	BIHARSHARIFF-BALIA	2	Ö	421	0.0	7.9	-7.9
11 400 kV	MOTIHARI-GORAKHPUR	2	0	445	0.0	8.4	-8.4
12 400 kV 13 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	2	0 38	389 93	0.0	6.3	-6.3 -1.2
14 132 kV	SONE NAGAR-RIHAND	i	0	0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
16 132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI	LL	0	0 ER-NR	0.0	120.3	0.0 -119.9
Import/Export of ER	(With WR)				010		*****
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	395	391	0.0	0.1	-0.1
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	1107	0	15.6	0.0	15.6
3 765 kV	JHARSUGUDA-DURG	2	135	268	0.0	0.7	-0.7
4 400 kV	JHARSUGUDA-RAIGARH	4	329	56	3.7	0.0	3.7
5 400 kV	RANCHI-SIPAT	2	349	0	5.1	0.0	5.1
6 220 kV	BUDHIPADAR-RAIGARH	1	0	114	0.0	1.5	-1.5
7 220 kV	BUDHIPADAR-KORBA	2	121	0	1.5	0.0	1.5
Import/Eyport of ED	(With SD)			ER-WR	25.9	2.3	23.6
Import/Export of ER (	JEYPORE-GAZUWAKA B/B	2	103	134	0.6	0.0	0.6
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1632	0.0	31.2	-31.2
3 765 kV	ANGUL-SRIKAKULAM	2	0	2526	0.0	48.7	-48.7
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	972	0	9.1 0.0	0.0	9.1 0.0
				ER-SR	0.6	79.9	-79.3
Import/Export of ER							
1 400 kV	BINAGURI-BONGAIGAON	2	0	322 393	0.0	4.3 4.5	-4.3
2 400 kV 3 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	12 0	393 117	0.0	1.7	-4.5 -1.7
		-		ER-NER	0.0	10.6	-10.6
Import/Export of NEI	R (With NR)			202			
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	502 NER-NR	0.0	12.1 12.1	-12.1 -12.1
Import/Export of WR	(With NR)			11224 1114	0.0	12.1	-12.1
1 HVDC	CHAMPA-KURUKSHETRA	2	0	3796	0.0	58.2	-58.2
2 HVDC 3 HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	0	0 979	0.0	0.0 24.2	0.0
4 765 kV	GWALIOR-AGRA	2	0	2704	0.0	50.7	-24.2 -50.7
5 765 kV	PHAGI-GWALIOR	2	0	2325	0.0	46.7	-46.7
6 765 kV	JABALPUR-ORAI	2	979	1148	0.0	44.2	-44.2
7 765 kV 8 765 kV	GWALIOR-ORAI SATNA-ORAI	1	738	0 1560	13.9	0.0 32.9	13.9 -32.9
9 765 kV	CHITORGARH-BANASKANTHA	2	1172	7	12.3	0.0	12.3
10 400 kV	ZERDA-KANKROLI	1	213	0	2.4	0.0	2.4
11 400 kV	ZERDA -BHINMAL	1	259	11	3.1	0.0	3.1
12 400 kV 13 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2	954 0	0 736	20.5	10.9	20.5 -10.9
	BHANPURA-RANPUR	1	0	103	0.0	1.8	-1.8
14 220 kV		1 1	0	30	0.0	1.3	-1.3
15 220 kV	BHANPURA-MORAK				0.2		
15 220 kV 16 220 kV	MEHGAON-AURAIYA	î	89 55	14		0.3	-0.1
15 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1	89 55 0	36 0	0.6 0.0	0.0 0.0	0.5
15 220 kV 16 220 kV 17 220 kV	MEHGAON-AURAIYA	1	55	36 0 0	0.6 0.0 0.0	0.0 0.0 0.0	0.5 0.0 0.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1	55 0	36 0	0.6 0.0	0.0 0.0	0.5 0.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1	55 0 0	36 0 0 WR-NR	0.6 0.0 0.0 52.9	0.0 0.0 0.0	0.5 0.0 0.0 -218.4
15	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARB-PUGALUR	1 1 1 2	55 0 0	36 0 0 WR-NR	0.6 0.0 0.0 52.9	0.0 0.0 0.0 271.3	0.5 0.0 0.0 -218.4 17.0 13.6
15	MEHGAON-AURAIYA MALAPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR	1 1 1 2 2	55 0 0 	36 0 0 WR-NR 0 0 826	0.6 0.0 0.0 52.9 17.0 13.6 11.2	0.0 0.0 0.0 271.3 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2
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   4   765 kV   1   Total Control Contro	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 2	55 0 0 	36 0 0 WR-NR 0 0 826 1991	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0	0.0 0.0 0.0 271.3 0.0 0.0 0.0 29.7	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI	1 1 1 2 2	55 0 0 0 696 775 1846 0 1426	36 0 0 WR-NR 0 0 826	0.6 0.0 0.0 52.9 17.0 13.6 11.2	0.0 0.0 0.0 271.3 0.0 0.0 0.0 29.7 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 2 2	55 0 0 696 775 1846 0	36 0 0 WR-NR 0 0 826 1991 0 0	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0	0.0 0.0 0.0 271.3 0.0 0.0 0.0 29.7 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI	1 1 1 1 2 2 2 2 2 2 2 2 2	55 0 0 0 696 775 1846 0 1426	36 0 0 WR-NR 0 0 826 1991 0 0 0	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0	0.0 0.0 0.0 271.3 0.0 0.0 0.0 29.7 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WIII) SIBHADRAWATI BIB BHADRAWATI BIB BHADRAWATI BIB RAIGARIP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 2 2 2 2 2 2 2 2 2 1	55 0 0 0 775 1846 0 1426 0 0	36 0 0 WR-NR 0 0 826 1991 0 0	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0	0.0 0.0 0.0 271.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 1.3 33.6
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI BB BHADRAWATI BB RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI		55 0 0 0 696 775 1846 0 1426 0 1 1 CHANGES	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 1.3 63.3	0.0 0.0 0.0 271.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.1 1.3 +ve)/Export(-ve)
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WIII) SIBHADRAWATI BIB BHADRAWATI BIB BHADRAWATI BIB RAIGARIP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI		55 0 0 0 	36 0 0 WR-NR 0 0 826 1991 0 0 0	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0	0.0 0.0 0.0 271.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.1 1.3 +ve)/Export(-ve)
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALAPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion	- 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	55 0 0 0 	36 0 0 WR-NR 0 0 826 1991 0 0 0 WR-SR Max (MW)	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 271.3  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 33.6 (+ve)/Export(-ve) Energy Exchange
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI BB BHADRAWATI BB RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	- Line 400KV MARGDECHE Le. ALIPUARA REALIPUARA REALIPUA	55 0 0 0 696 775 1846 0 1426 0 0 1 1 CHANGES Name	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 1.3 63.3	0.0 0.0 0.0 271.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 1.3 33.6 +ve)/Export(-ve) Energy Exchange
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALAPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion	- 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	55 0 0 0 0 696 775 1846 0 1426 0 0 1 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from "2180MW)	36 0 0 WR-NR 0 0 826 1991 0 0 0 WR-SR Max (MW)	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 271.3  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 33.6 (+ve)/Export(-ve) Energy Exchange
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALAPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion	- Land I Line Land Line La	55 0 0 0 0 696 775 1846 0 1426 0 1 1426 11 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from = 180MW) URI 1,2,4 (& 4000V PR) i.e. BINAGURI	36 0 0 WR-NR 0 0 826 1991 0 0 0 WR-SR Max (MW)	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 271.3  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 33.6 (+ve)/Export(-ve) Energy Exchange
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALAPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARIF-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER		55 0 0 0 1696 778 1846 0 1426 0 1426 0 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEPT (from 18 12.4 (4 400kV Rt) i.e. BINAGURI BEP (6*170MV) BEP (6*170MV)	36 0 0 WR-NR 0 0 1991 0 0 0 79 WR-SR	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 1.3 63.3 Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 0.0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	MEHGAON-AURAIYA MALAPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARIF-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4006V MANGDECHE 16. ALIPUTAL ENPA 4006V TALLA BIPA 4006V TALLA BIPA 4006V TALLA BIPA 4060V	55 0 0 0 1696 778 1846 0 1426 0 1426 0 11 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 18 10,24 (400kV RI) i.e. BINAGURI BIPG (6470kV) PARA 1&2 (& 220kV	36 0 0 WR-NR 0 0 1991 0 0 0 79 WR-SR	0.6 0.0 0.0 52.9 17.0 13.6 11.2 0.0 20.3 0.0 1.3 63.3 Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 0.0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WIII SIR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-KUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	- 1 1 1 2 2 2 2 2 2 2 1 1 TERNATIONAL EX EAGLY MANGDECHH LE ALIPURDUR RE LE ALIPURDUR HEP 4 MANGDECHH HEP 4 MA	55 0 0 0 1696 778 1846 0 1426 0 1426 0 11 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 18 10,24 (400kV RI) i.e. BINAGURI BIPG (6470kV) PARA 1&2 (& 220kV	36 0 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW)	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 13.6 11.2 0.0 0.0 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 33.6 +vel/Export(-ve) Energy Exchange (MII) 12.3
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (WIII SIR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-KUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4006V MANGDECHE 16. ALIPUTAL ENPA 4006V TALLA BIPA 4006V TALLA BIPA 4006V TALLA BIPA 4060V	55 0 0 0 1696 775 1846 0 1426 0 1426 0 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 181 1,2.4 (400kV RI) i.e. BINAGURI I.HP (61 104 V A) i.e. BIRPAGURI I.HP (62 104 V A) i.e. BIRPAGURI A) i.e	36 0 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW)	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 13.6 11.2 0.0 0.0 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 33.6 +vel/Export(-ve) Energy Exchange (MII) 12.3
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TRUEDEM-AMBEWADI  REGION  ER  ER  ER	TERNATIONAL EX  Line 400KV MANGDECHE 400KV MANGDECHE 440KV TALLABIAG 40KV TALLABI	55 0 0 0 1696 775 1846 0 1426 0 1426 0 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 181 1,2.4 (400kV RI) i.e. BINAGURI I.HP (61 104 V A) i.e. BIRPAGURI I.HP (62 104 V A) i.e. BIRPAGURI A) i.e	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW) 620	0.6 0.0 0.0 0.0 152.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 -218.4 13.6 11.2 -29.7 20.3 -20.3 1.3 -4.0 -4.0 Energy Exchange (MII) 12.3 24.7
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLIAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER	Z 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	55 0 0 0 0 696 775 1846 0 1426 0 1426 0 1 1 1 CHANGES Name UI-ALIFURDUAR 1&2 CEIPT (from ** 1880 MV) URI 1,2,4 (& 400 kV R) URI 1,2,4 (& 400 kV R) R) LEP (6* 170 kV) A) LE BIRPARA KIHA HEP 4* 84MW) - SALAKATI	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW) 620	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 13.6 11.2 11.2 0.0 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 3.3.6 4-ve/Export(-ve) Energy Exchange (MIT) 12.3 24.7 6.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TRUEDEM-AMBEWADI  REGION  ER  ER  ER	TERNATIONAL EX  Line 400KV MANGDECHE 400KV MANGDECHE 440KV TALLABIAG 40KV TALLABI	55 0 0 0 0 696 775 1846 0 1426 0 1426 0 1 1 1 CHANGES Name UI-ALIFURDUAR 1&2 CEIPT (from ** 1880 MV) URI 1,2,4 (& 400 kV R) URI 1,2,4 (& 400 kV R) R) LEP (6* 170 kV) A) LE BIRPARA KIHA HEP 4* 84MW) - SALAKATI	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW) 620	0.6 0.0 0.0 0.0 152.9 17.0 13.6 11.2 0.0 20.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 -218.4 13.6 11.2 -29.7 20.3 -20.3 1.3 -4.0 -4.0 Energy Exchange (MII) 12.3 24.7
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TREBER BER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 1 1 1 1 2 2 2 2 1 1 1 1 2 2 2 2 1 1 1 1 2 2 2 2 2 1 1 1 1 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2	55 0 0 0 696 775 1846 19426 0 1426 0 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) 181 1,24 (4 400kV RI) i.e. BINAGURI II HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPA KIIA HEP 4*84MW) - SALAKATI iia	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW) 620 1031 355	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 13.6 11.2 1.3 0.0 0.0 0.0 0.0 1.3 63.3  Min (MW)  0 1019	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 0.0 1.3 3.6 +ve)Export(ve) Energy Exchange (MII) 12.3 24.7 6.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLIAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER	- Land Total Termation Termation Termation Termation Termation Termation Termatical Term	55 0 0 0 696 775 1846 19426 0 1426 0 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) 181 1,24 (4 400kV RI) i.e. BINAGURI II HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPA KIIA HEP 4*84MW) - SALAKATI iia	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW) 620	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 13.6 11.2 11.2 0.0 0.0 0.0 0.0 1.3 63.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 3.3.6 4-ve/Export(-ve) Energy Exchange (MIT) 12.3 24.7 6.0
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	55   0   0   0   0   0   0   0   0   0   0	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 17.0 13.6 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 3.3.6 -vvel/Export(-ve) Energy Exchange (MITh 12.3 24.7 6.0 -0.9 -1.1
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TREBER BER  ER  ER  NER  NER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	55 0 0 0 696 775 1846 19426 0 1426 0 1 1 CHANGES Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) 181 1,24 (4 400kV RI) i.e. BINAGURI II HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPA KIIA HEP 4*84MW) - SALAKATI iia	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR Max (MW) 620 1031 355	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 13.6 11.2 1.3 0.0 0.0 0.0 0.0 1.3 63.3  Min (MW)  0 1019	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.1 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 0.0 1.3 3.6 +ve/Export(-ve) Energy Exchange (MID) 12.3 24.7 6.0
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   140 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	55   0   0   0   0   0   0   0   0   0   0	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 17.0 13.6 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 3.3.6 -vevExport(-ve) Energy Exchange (MIT) 12.3 24.7 6.0 -0.9
15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 5 440 kV 6 220 kV 8 220 kV  State	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	555   0   0   0	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 17.0 13.6 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 3.3.6 -vevExport(-ve) Energy Exchange (MIT) 12.3 24.7 6.0 -0.9
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   140 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TR  Region  ER  ER  ER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EX  Line 4006V MANGDECHH Le. ALIPUNGBECHH LE. ALIPUNGBECH	555   0   0   0	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73	0.6 0.0 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 1.3 63.3 Min (MW)  0 1019	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.1 218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 3.6 4-ve)/Export(-ve) Energy Exchange (MID) 12.3 24.7 6.0 -0.9
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   140 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TR  Region  ER  ER  ER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EX  Line 4006V MANGDECHH Le. ALIPUNGBECHH LE. ALIPUNGBECH	555   0   0   0   0   0   0   0   0	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73	0.6 0.0 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 1.3 63.3 Min (MW)  0 1019	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 1.3 -4.0 -4.0 Energy Exchange (MII) 12.3 24.7 6.0 -0.9 -1.1
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   140 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER  NER  NER  NER  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2	555   0   0   0	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73 233	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 20.3 63.3  Min (MW)  0 1019  18 9  103	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 218.4 17.0 13.6 11.2 12.3 0.0 0.0 0.0 1.3 33.6 -vvel/Export(-ve) Energy Exchange (MIT) 12.3 24.7 6.0 -0.9 -1.1 -1.1
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   140 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGAUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TR  REGION  ER  ER  NER  NER  NER  NER  NER  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1  TERNATIONAL EX  Line MANGDECHI Le. ALIPURDUAR RE MANGDECHI HEP 4 400KV MANGDECHI LE. ALIPURDUAR RE MANGDECHI HEP 4 100KV TALA-BINAGI MALBASE - BINAGU MALBAS	55   0   0   696   775   1846   0   0   1426   0   0   1   1426   0   1   1   1426   0   1   1   1426   0   1   1   1426   0   1   1   1426   1   1   1   1   1   1   1   1   1   1	36 0 0 WR-NR 0 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73 233 -158	0.6 0.0 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 0.0 1.3 63.3  Min (MW)  0 1019  0 18  9 103 -1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 218.4 17.0 13.6 11.2 12.3 0.0 0.0 0.0 1.3 33.6 -vvel/Export(-ve) Energy Exchange (MIT) 12.3 24.7 6.0 -0.9 -1.1 -1.1
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   132 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER  NER  NER  NER  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2	55   0   0   696   775   1846   0   0   1426   0   0   1   1426   0   1   1   1426   0   1   1   1426   0   1   1   1426   0   1   1   1426   1   1   1   1   1   1   1   1   1   1	36 0 0 WR-NR 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73 233	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 20.3 63.3  Min (MW)  0 1019  18 9  103	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 1.3 -4.0 -4.0 -4.0 -4.0 -4.1 -4.4 -6.7 -21.8
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   132 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLIAPUR-RAICHUR KOLIAPUR-RUDGI KOLIAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  ER  NER  NER  NER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2	555   0   0   0	36 0 0 WR-NR 0 0 \$26 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73 233 -158 -915	0.6 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 20.3 0.0 0.0 1.3 63.3  Min (MW)  0 1019  0 18 9 103 -908	0.0 0.0 0.0 0.0 0.0 271.3  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 218.4 17.0 13.6 11.2 29.7 20.3 0.0 0.0 1.3 33.6 4-vel/Export(-ve) Energy Exchange (MIT) 12.3 24.7 6.0 -0.9 -1.1 -1.1 -4.4 -0.7 -21.8
15   220 kV   16   220 kV   17   220 kV   17   220 kV   18   132 kV   19   132 kV   10   10   10   10   10   10   10   1	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGAUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  TR  REGION  ER  ER  NER  NER  NER  NER  NER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EX  Line  Line  MANGDECHH Le. ALIPUDEAR HE MANGDECHH LE. ALIPUDEAR HE MANGDECHH HEP 4 400KY TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from CHU 132KV-GHU-KHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GHU-KHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GHU-KHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-BIRPAR MAHENDRANAGAR 400KV-MUZAFFARP  BHERAMARA HVDC 132KV-SURAJMANI COMILLA(BANGLA)	555   0   0   0	36 0 0 WR-NR 0 0 0 826 1991 0 0 0 79 WR-SR  Max (MW) 620 1031 355 53 60 -73 233 -158	0.6 0.0 0.0 0.0 0.0 17.0 13.6 11.2 0.0 0.0 0.0 0.0 0.0 1.3 63.3  Min (MW)  0 1019  0 18  9 103 -1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.0 0.0 0.0 -218.4 17.0 13.6 11.2 -29.7 20.3 0.0 0.0 1.3 33.6 +ve/Export(-ve) Energy Exchange (MII) 12.3 24.7 6.0 -0.9 -1.1 -1.1 -4.4 -0.7