

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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 29th Sep 2020

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 28.09.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-सितंबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 28th September 2020, 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: 29-Sep-2020 NR 59802 WR TOTAL SR ER NER Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs) 46324 2815 Peak Shortage (MW) 300 168 468 Energy Met (MU) Hydro Gen (MU) 1284 1089 842 466 51 3732 240 103 137 145 27 652 107 178 5.1 Wind Gen (MU) Solar Gen (MU)* 10 40.61 32 29.70 0.0 65 102.74 4.57 0.09 Souar Gen (MU)²
Energy Shortage (MU)
Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 1.5 59826 0.0 39300 0.0 3.7 2941 46899 168386 22451 19:46 11:09 15:03 20:05 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 0.039

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	(MC)	(MU)	(NIC)	(1111)	(MU)
	Punjab	10069	0	220.5	120.4	-1.7	194	0.0
	Haryana	8498	0	183.9	142.8	-0.2	179	0.0
	Rajasthan	11134	0	245.2	74.5	-2.8	315	0.0
	Delhi	4920	0	104.2	95.8	-0.2	234	0.0
NR	UP	21008	220	405.0	170.4	1.8	640	1.3
	Uttarakhand	1821	0	38.9	21.6	1.2	166	0.2
	HP	1448	13	29.5	9.9	1.8	216	0.0
	J&K(UT) & Ladakh(UT)	2452	0	52.5	25.5	5.4	593	0.0
	Chandigarh	237	0	4.8	5.0	-0.2	23	0.0
	Chhattisgarh	3870	0	92.1	27.1	0.7	311	0.0
	Gujarat	15265	0	336.3	91.2	1.4	458	0.0
	MP	9285	0	209.8	100.6	-1.6	669	0.0
WR	Maharashtra	18224	0	398.6	136.8	-2.7	399	0.0
	Goa	476	0	9.4	9.0	-0.1	85	0.0
	DD	321	0	7.0	7.0	0.0	36	0.0
	DNH	778	0	18.0	17.9	0.1	37	0.0
	AMNSIL	810	0	18.0	2.9	0.3	267	0.0
	Andhra Pradesh	7490	0	162.7	76.2	0.8	764	0.0
	Telangana	7533	0	152.3	42.2	-0.5	443	0.0
SR	Karnataka	8000	0	156.0	56.8	0.2	1015	0.0
	Kerala	3368	0	68.6	37.7	-0.6	226	0.0
	Tamil Nadu	14836	0	293.6	157.8	-3.6	476	0.0
	Puducherry	362	0	8.6	7.8	0.8	135	0.0
	Bihar	5216	0	103.7	98.1	0.4	200	0.0
	DVC	3036	0	65.1	-44.6	-0.2	210	0.0
	Jharkhand	1807	0	29.2	21.3	-0.6	120	0.0
ER	Odisha	4667	0	95.9	16.0	-1.2	300	0.0
	West Bengal	8047	0	170.8	61.8	1.5	450	0.0
	Sikkim	90	0	1.2	1.3	-0.2	15	0.0
	Arunachal Pradesh	118	1	2.2	2.1	0.1	19	0.0
	Assam	1839	98	31.7	27.6	0.5	181	3.6
	Manipur	197	1	2.6	2.5	0.1	48	0.0
NER	Meghalaya	299	0	5.7	0.5	-0.4	27	0.0
	Mizoram	101	1	1.6	1.1	0.2	15	0.0
	Nagaland	146	1	2.3	2.4	-0.3	20	0.0
	Tripura	294	15	4.8	6.7	0.1	23	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	51.6	-1.8	-25.9
Day Peak (MW)	2285.6	-259.3	-1075.0

Day Peak (MW) 2285.6 -259.3 E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	342.3	-326.2	114.2	-124.5	-5.8	0.0
Actual(MU)	356.8	-336.0	107.1	-127.1	-6.2	-5.5
O/D/U/D(MU)	14.5	-9.8	-7.1	-2.6	-0.4	-5.5

F. Generation Outage(MW)

NR	WR	SR	ER	NER	TOTAL
6185	16108	12212	1455	546	36506
10184	17129	15837	6127	112	49389
16369	33237	28049	7582	658	85895
	6185 10184	6185 16108 10184 17129	6185 16108 12212 10184 17129 15837	6185 16108 12212 1455 10184 17129 15837 6127	NR

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	582	1196	317	475	8	2578
Lignite	28	10	16	0	0	55
Hydro	239	103	137	145	27	651
Nuclear	27	21	69	0	0	116
Gas, Naptha & Diesel	14	49	16	0	27	105
RES (Wind, Solar, Biomass & Others)	62	62	197	5	0	326
Total	953	1441	751	625	62	3831
Tax						
Share of RES in total generation (%)	6.55	4.31	26.26	0.73	0.14	8.52
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.45	12.87	53.61	23.97	44.17	28.54

H. All India Demand Diversity Factor

Based on Regional Wax Demands	1.018
Based on State Max Demands	1.057

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:	29-Sep-2020
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (nor or circuit	mus import (mr)	man Emport (mr)	import (iiic)	Export (inte)	1121 (112)
1		ALIPURDUAR-AGRA	2	0	999	0.0	26.0	-26.0
2		PUSAULI B/B		0	299	0.0	7.3	-7.3
3		GAYA-VARANASI	2	0	595	0.0	11.1	-11.1
5		SASARAM-FATEHPUR GAYA-BALIA	1	159 0	172 475	0.0	0.4 8.5	-0.4 -8.5
6		PUSAULI-VARANASI	1	0	220	0.0	4.5	-8.5 -4.5
7		PUSAULI -ALLAHABAD	1	0	145	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	793	0.0	14.6	-14.6
9	400 kV	PATNA-BALIA	4	0	866	0.0	17.7	-17.7
10		BIHARSHARIFF-BALIA	2	0	339	0.0	6.2	-6.2
11	400 kV 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0 18	22 204	0.0	5.8 2.5	-5.8 -2.5
13		PUSAULI-SAHUPURI	1	0	133	0.0	2.2	-2.2
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	1	63	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	11	60	0 ER-NR	0.0	0.0	0.0
Impo	rt/Export of ER (With WR)			ER-IN	0.6	109.2	-108.7
1		JHARSUGUDA-DHARAMJAIGARH	4	905	0	17.1	0.0	17.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1052	0	15.5	0.0	15.5
3	765 kV	JHARSUGUDA-DURG	2	143	110	1.3	0.0	1.3
4	400 kV	JHARSUGUDA-RAIGARH	4	297	0	4.2	0.0	4.2
5		RANCHI-SIPAT	2	392	0	6.9	0.0	6.9
6		BUDHIPADAR-RAIGARH	1	0	115	0.0	1.8	-1.8
7	220 kV	BUDHIPADAR-KORBA	2	166	0	3.0	0.0	3.0
Tan	nt/Ermont - PEP C	Wal CD)			ER-WR	48.0	1.8	46.2
	rt/Export of ER (V HVDC		2	n	600	0.0	12.6	-12.6
2		JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2	0	609 1639	0.0	13.6 39.7	-13.6 -39.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2585	0.0	50.2	-50.2
4	400 kV	TALCHER-I/C	2	149	244	0.7	0.0	0.7
5		BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
L_		aria Need			ER-SR	0.0	103.5	-103.5
Impo	rt/Export of ER (V 400 kV		2	14	420	0.0	2.0	2.0
2		BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2	14 165	438 498	0.0	3.0 1.7	-3.0 -1.7
3		ALIPURDUAR-SALAKATI	2	0	136	0.0	1.6	-1.6
	220 K	THE CARDON SILLING	-		ER-NER	0.0	6.3	-6.3
Impo	rt/Export of NER	(With NR)						
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.7	-14.7
T	-4/E	SIVAL NID			NER-NR	0.0	14.7	-14.7
1mpo	rt/Export of WR (HVDC	CHAMPA-KURUKSHETRA	2	0	1499	0.0	50.2	-58.2
2	HVDC	VINDHYACHAL B/B		93	105	2.0	58.2 0.4	-58.2 1.6
3		MUNDRA-MOHINDERGARH	2	0	982	0.0	24.2	-24.2
4		GWALIOR-AGRA	2	0	2855	0.0	54.3	-54.3
5		PHAGI-GWALIOR	2	0	1271	0.0	25.3	-25.3
6		JABALPUR-ORAI	2	0	1128	0.0	43.1	-43.1
7		GWALIOR-ORAI	1	471	0	9.3	0.0	9.3
8		SATNA-ORAI	1	0	1586	0.0	34.0	-34.0
		CUITODC ADU DANASK ANTUA	2		1102			177
9	765 kV	CHITORGARH-BANASKANTHA ZERDA-KANKROLI	2	0	1192 209	0.0	17.7	-17.7 -2.6
	765 kV 400 kV	CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	1 1	0 0	1192 209 256	0.0	2.6 3.9	-17.7 -2.6 -3.9
9 10 11 12	765 kV 400 kV 400 kV	ZERDA-KANKROLI	1	0	209 256 0	0.0 0.0 22.7	2.6 3.9 0.0	-2.6
9 10 11 12 13	765 kV 400 kV 400 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2	0 0 972 0	209 256 0 463	0.0 0.0 22.7 0.0	2.6 3.9 0.0 9.2	-2.6 -3.9 22.7 -9.2
9 10 11 12 13 14	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 1 1 2 1	0 0 972 0	209 256 0 463 128	0.0 0.0 22.7 0.0 0.0	2.6 3.9 0.0 9.2 2.4	-2.6 -3.9 22.7 -9.2 -2.4
9 10 11 12 13 14 15	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 1 1 2 1 1	0 0 972 0 0	209 256 0 463 128	0.0 0.0 22.7 0.0 0.0	2.6 3.9 0.0 9.2 2.4 2.3	-2.6 -3.9 22.7 -9.2 -2.4 -2.3
9 10 11 12 13 14 15 16	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1 2 1 1	0 972 0 0 11 104	209 256 0 463 128 0 3	0.0 0.0 22.7 0.0 0.0 0.0	2.6 3.9 0.0 9.2 2.4 2.3 0.2	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0
9 10 11 12 13 14 15	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-WALAYA	1 1 1 2 1 1	0 0 972 0 0	209 256 0 463 128	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0	-2.6 -3.9 22.7 -9.2 -2.4 -2.3 0.0
9 10 11 12 13 14 15 16 17	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1 2 1 1 1 1	0 0 972 0 0 11 104 58	209 256 0 463 128 0 3 3 39 0	0.0 0.0 22.7 0.0 0.0 0.0	2.6 3.9 0.0 9.2 2.4 2.3 0.2	-2.6 -3.9 22.7 -9.2 -2.4 -2.3 0.0
9 10 11 12 13 14 15 16 17 18	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 2 1 1 1 1 1	0 0 972 0 0 11 104 58	209 256 0 463 128 0 3 3 9 0	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0	-2.6 -3.9 22.7 -9.2 -2.4 -2.3 0.0 1.0
9 10 11 12 13 14 15 16 17 18 19	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 1 2 1 1 1 1 1	0 972 0 0 11 104 58 0	209 256 0 463 128 0 3 3 3 9 0 WR-NR	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -0.0 -0.0 -242.5
9 10 11 12 13 14 15 16 17 18 19	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (ZERDA-KANKROLI 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	1 1 1 2 1 1 1 1 1 1 1 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2	0 0 972 0 0 0 11 104 58 0	209 256 0 463 128 0 3 3 9 0 WR-NR	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5
9 10 11 12 13 14 15 16 17 18 19 Import	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 144 kV 145 kV	ZERDA-KANKROLI 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	1 1 1 2 2 1 1 1 1 1 1 2 2	0 0 972 0 0 11 104 58 0 0	209 256 0 463 128 0 3 3 9 0 WR-NR	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5 -15.4 -9.1
9 10 11 12 13 14 15 16 17 18 19 Import	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPUR-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WIB SIN BHANPUR BHANPUR BHANPUR BHANPUR WIB SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 1 1 2 1 1 1 1 1 1 1 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2	0 0 972 0 0 0 11 104 58 0	209 256 0 463 128 0 3 3 9 0 WR-NR	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5
9 10 11 12 13 14 15 16 17 18 19 Import	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 k	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	0 0 972 0 0 11 104 58 0 0	209 256 0 463 128 0 3 3 39 0 WR-NR	0.0 0.0 22.7 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5 -15.4 -9.1 -19.3
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV 230 kV 240 kV 250 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WALANPUR-AURAIYA WHALANPUR-AURAIYA WHALANPUR-AURAIYA BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 2 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	0 0 972 0 0 11 104 58 0 0	209 256 0 463 128 0 3 39 0 WR-NR 1019 150 1744 2078	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.0
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	0 0 972 0 0 11 104 58 0 0	209 256 0 463 128 0 3 3 3 9 0 WR-NR 1019 150 1744 2078 0 0 0	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -19.3 -32.6 -10.1 -0.0 -0.0
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WALANPUR-AURAIYA WHALANPUR-AURAIYA WHALANPUR-AURAIYA BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	0 0 972 0 0 11 104 58 0 0	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 76	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -0.0 -1.1
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 2 1 1 1 1 1 1 1 2 2 2 1 1 1 2	0 0 972 0 0 111 104 58 0 0 724 84 0 636 0	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 2 1 1 1 1 1 1 1 2 2 2 1 1 1 2	0 0 972 0 0 11 104 58 0 0	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5 -15.4 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-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	0 0 972 0 0 111 104 58 0 0 724 84 0 636 0	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -2.42.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -0.0 -1.1 -0.0 -0.0 -1.1 -0.0 -0.0
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-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	0 0 972 0 0 111 104 58 0 0 0 724 84 0 636 0 0	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 76 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 0.0 35.3 0.0 0.1 0.0 0.0 10.1 0.0 10.1 0.0 1.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -242.5 -15.4 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SHORT SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 10.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 0 0 972 0 11 104 58 0 0 0 11 104 58 0 0 10 11 104 104 104 104 104 104 105 104 104 104 104 104 104 104 104 104 104	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 76 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 0.0 35.3 0.0 0.1 0.0 0.0 10.1 0.0 10.1 0.0 1.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -2.42.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -0.0 -1.1 -0.0 -0.0 -1.1 -0.0 -0.0
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	1	0 0 0 972 0 11 104 58 0 0 724 84 0 0 636 0 1 1 RNATIONAL EXCHA Name LALIPURDUAR 1&2 ECEIPT (from 4*180MW)	209 256 0 463 128 0 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 76 WR-SR	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 10.1 0.0 1.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SHORT SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 972 0 11 104 58 0 0 11 104 58 0 0 10 104 104 104 104 104 104 105 104 104 104 105 104 104 105 104 105 105 105 106 107 107 107 107 107 107 107 107 107 107	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR	0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 10.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 11 104 84 84 0 10 10 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 11	209 256 0 463 128 0 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 76 WR-SR	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 10.1 0.0 1.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 155 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 1636 0 1 1 ENATIONAL EXCHA Name EVALUALIPURDUAR 1&2 ECELPT (from 4*180MW) URI 1,2,4 (& 400KV)	209 256 0 463 128 0 3 3 3 9 0 WR-NR 1019 150 1744 2078 0 0 0 76 WR-SR	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 10.1 0.0 1.1 20.3	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-2.6 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 1765 k	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 1636 0 1 1 ENATIONAL EXCHA Name EVALUALIPURDUAR 1&2 ECELPT (from 4*180MW) URI 1,2,4 (& 400KV)	209 256 0 463 1128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 WR-SR NGES Max (MW) 585	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 0.0 10.1 0.0 0.0 10.1 20.3 Min (MW)	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 4xg (MW) 585	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	209 256 0 463 1128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR WS-SR WGES Max (MW) 585	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3 32.6 1083	-2.6 -3.9 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -46.9 Energy Exchange (MI) -15.2 -26.1 -7.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	209 256 0 463 1128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 WR-SR NGES Max (MW) 585	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 0.0 10.1 0.0 0.0 10.1 20.3 Min (MW)	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 4xg (MW) 585	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	1	0 0 0 1972 0 0 111 104 558 0 0 1724 84 0 0 1724 84 0 1636 0 1 1 RNATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2.4 (8. 400MW) URI 1,2.4	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 159 1744 2078 0 0 76 WR-SR	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 57.3 Avg (MW) \$585\$ \$1083\$	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -0.0 -0.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -46.9 Energy Exchange (MII) -15.2 -1.5.2 -1.5.4
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	1	0 0 0 1972 0 0 111 104 558 0 0 1724 84 0 0 1724 84 0 1636 0 1 1 RNATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2.4 (8. 400MW) URI 1,2.4	209 256 0 463 1128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 0 WR-SR WS-SR WGES Max (MW) 585	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.3 32.6 1083	-2.6 -3.9 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -46.9 Energy Exchange (MI) -15.2 -26.1 -7.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 1636 0 1 1 ENATIONAL EXCHA Name U-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (8 400KV) URI 1,6 BINAGURI A HEP (6*170MW) PARA 1&2 (& 220KV) URI 54 (6 400KV) URI 64 (6 400KV) URI 65 BINAGURI A HEP (6*170MW) URI 1,2,4 (8 400KV) URI 1,	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 159 1744 2078 0 0 76 WR-SR	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 57.3 Avg (MW) \$585\$ \$1083\$	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -0.0 -0.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -46.9 Energy Exchange (MII) -15.2 -1.5.2 -1.5.4
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6 7	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 84 0 636 0 1 1 1 8NATIONAL EXCHA Name HU-ALIPURDUAR 182 ECEIPT (from 48) 4*180AIW) URI 1,2,4 (8 400KV RI) Le BINAGURI A HEP (6*170MW) PARA 182 (8 220KV A) Le BIRPARA KIKHA HEP 4*84MW) U- SALAKATI jia	209 256 0 463 1128 0 463 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 WR-SR WR-SR NGES Max (MW) 585 1083 353	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 47.3 Avg (MW) 585 1083	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9 Energy Exchange (MI) -15.2 -1.2 -1.2
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 84 0 636 0 1 1 1 8NATIONAL EXCHA Name HU-ALIPURDUAR 182 ECEIPT (from 48) 4*180AIW) URI 1,2,4 (8 400KV RI) Le BINAGURI A HEP (6*170MW) PARA 182 (8 220KV A) Le BIRPARA KIKHA HEP 4*84MW) U- SALAKATI jia	209 256 0 463 128 0 3 3 39 0 WR-NR 1019 159 1744 2078 0 0 76 WR-SR	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 57.3 Avg (MW) \$585\$ \$1083\$	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -0.0 -0.0 -0.0 -242.5 -15.4 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9 Energy Exchange (MII) -15.2 -15.4 -17.9
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 EV 152 kV 152 kV 153 kV 154 kV 155 kV 155 kV 155 kV 156 kV 157 kV 158 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AURAIWA BERIOR REGION ER ER ER ER NER NER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 1 1 108 108 108 108 108 11 108 108	209 256 0 463 128 0 3 33 39 0 WR-NR 1019 1150 1744 2078 0 0 76 WR-SR WGES Max (MW) 585 1083 353 -55 -61	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 11.1 20.3 Min (MW) 584 1080 0 -45	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 3277.8 Avg (MW) 585 1083 51 -51	-2.6 -3.9 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -1.1 -46.9 Energy Exchange (MII) -15.2 -1.2 -1.2 -1.2 -1.2
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 175 kV 175 kV 176 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV 220 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 1 1 108 108 108 108 108 11 108 108	209 256 0 463 1128 0 3 3 39 0 WR-NR 1019 150 1744 2078 0 0 WR-SR WR-SR NGES Max (MW) 585 1083	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 9.1 0.0 0.0 10.1 20.3 Min (MW) 584	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 47.3 Avg (MW) 585 1083	-2.6 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9 Energy Exchange (MI) -15.2 -1.2 -1.2
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 EV 152 kV 152 kV 153 kV 154 kV 155 kV 155 kV 155 kV 156 kV 157 kV 158 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AURAIWA BERIOR REGION ER ER ER ER NER NER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 0 724 84 1 0 0 0 1 1 ENATIONAL EXCHA ENATIONAL	209 256 0 463 128 0 3 33 39 0 WR-NR 1019 1150 1744 2078 0 0 76 WR-SR WGES Max (MW) 585 1083 353 -55 -61	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 11.1 20.3 Min (MW) 584 1080 0 -45	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 3277.8 Avg (MW) 585 1083 51 -51	-2.6 -3.9 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -1.5.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9 Energy Exchange (MII) -15.2 -1.2 -1.2 -1.2 -1.2
9 10 11 12 13 14 15 16 17 18 19 Import 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 EV 152 kV 152 kV 153 kV 154 kV 155 kV 155 kV 155 kV 156 kV 157 kV 158 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA BHADPUR-AURAIYA WIIB SR) BHADRAWAIT B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER NER NER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 0 724 84 1 0 0 0 1 1 ENATIONAL EXCHA ENATIONAL	209 256 0 463 1128 0 463 3 3 3 9 0 WR-NR 1019 150 1744 2078 0 0 WR-SR WR-SR NGES Max (MW) 585 1083 353 -55 -61	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 35.3 0.0 0.0 0.0 10.1 0.0 0.0 11.1 20.3 Min (MW) 584 1080 0 -45	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 277.8 15.4 0.0 19.3 32.6 0.0 0.0 0.0 67.3 Avg (MW) 585 1083 328 51 -51 -18	-2.6 -3.9 -3.9 -22.7 -9.2 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -15.4 -9.1 -19.3 -32.6 -10.1 -0.0 -1.1 -46.9 Energy Exchange (MU) -15.2 -1.2 -0.4 -0.1
9 10 11 12 13 14 15 16 17 18 19 Impo 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 EV 152 kV 152 kV 153 kV 154 kV 155 kV 155 kV 155 kV 156 kV 157 kV 158 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AURAIWA BERIOR REGION ER ER ER ER NER NER	1	0 0 0 972 0 0 11 104 58 0 0 724 84 0 0 724 84 0 0 0 724 84 1 0 0 0 1 1 ENATIONAL EXCHA ENATIONAL	209 256 0 463 128 0 3 33 39 0 WR-NR 1019 1150 1744 2078 0 0 76 WR-SR WGES Max (MW) 585 1083 353 -55 -61	0.0 0.0 0.0 22.7 0.0 0.0 0.0 0.0 0.0 0.2 1.0 0.0 0.0 0.0 35.3 0.0 0.0 10.1 0.0 11.1 20.3 Min (MW) 584 1080 0 -45	2.6 3.9 0.0 9.2 2.4 2.3 0.2 0.0 0.0 0.0 0.0 15.4 0.0 19.3 32.6 0.0 0.0 0.0 0.0 0.0 3277.8 Avg (MW) 585 1083 51 -51	-2.6 -3.9 -3.9 -22.7 -9.2 -2.4 -2.3 -0.0 -1.0 -0.0 -0.0 -242.5 -1.5.4 -9.1 -19.3 -32.6 -10.1 -0.0 -0.0 -1.1 -46.9 Energy Exchange (MII) -15.2 -1.2 -1.2 -1.2 -1.2

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	ER	BHERAMARA HVDC(BANGLADESH)	-937	0	-935	-22.4
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	69	0	-71	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	69	0	-71	-1.7