

## 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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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 24<sup>th</sup> Feb 2022

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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 23.02.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-फ़रवरी-2022 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 23<sup>rd</sup> February 2022, is available at the NLDC website.

धन्यवाद,

## पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Date of Reporting: Report for previous day 24-Feb-2022 or All India and Regional level

A. Power Supply Pos	sition at All India and Regional level						
		NR	WR	SR	ER	NER	TOTAL
Demand Met during E	evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	51083	57048	45823	21106	2614	177674
Peak Shortage (MW)		125	0	0	335	0	460
Energy Met (MU)		1014	1364	1147	425	47	3997
Hydro Gen (MU)		121	57	95	26	9	308
Wind Gen (MU)		12	42	69		-	123
Solar Gen (MU)*		78.14	46.83	119.34	5.19	0.36	250
Energy Shortage (MU	)	9.31	0.02	0.26	2.65	0.00	12.24
Maximum Demand Me	et During the Day (MW) (From NLDC SCADA)	51839	63199	55745	21209	2629	189314
Time Of Maximum De	emand Met (From NLDC SCADA)	18:53	11:28	10:48	18:34	18:02	10:53
B. Frequency Profile	(%)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.029	0.00	0.00	2 9 4	2 94	70.92	16 22

All India	0.028	0.00	0.00	3.84	3.84	79.83	16.33	1
C. Power Supp	ly Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		dav(MW)	Demand(MW)	(MIC)	(MU)	(MU)	(NIVV)	(MU)
	Punjab	6722	0	126.8	41.8	0.0	326	0.55
	Haryana	6854	0	126.1	78.1	1.2	235	2.08
	Rajasthan	15060	0	282.6	66.9	4.0	738	1.46
	Delhi	3871	0	65.1	52.8	-0.7	228	0.00
NR	UP	17464	0	303.6	85.7	0.2	539	0.00
	Uttarakhand	2052	70	38.5	25.7	-0.1	130	0.55
	HP	1830	0	33.0	25.4	-0.1	310	0.02
	J&K(UT) & Ladakh(UT)	1896	0	35.4	31.5	-1.3	480	4.65
	Chandigarh	175	0	2.4	4.2	-1.8	7	0.00
	Chhattisgarh	4500	0	100.0	35.2	-0.2	272	0.00
	Gujarat	16773	0	367.6	220.7	5.8	768	0.00
	MP	14627	0	295.8	173.1	-2.0	506	0.00
WR	Maharashtra	25558	0	542.7	202.7	-1.6	816	0.00
	Goa	586	20	12.4	11.9	0.2	64	0.02
	DD	349	0	7.8	7.4	0.4	96	0.00

WR	Maharashtra	25558	0	542.7	202.7	-1.6	816	0.00
	Goa	586	20	12.4	11.9	0.2	64	0.02
	DD	349	0	7.8	7.4	0.4	96	0.00
	DNH	873	0	20.0	19.8	0.2	127	0.00
	AMNSIL	821	0	17.4	4.6	-0.8	235	0.00
	Andhra Pradesh	10943	450	212.4	81.4	0.2	566	0.26
	Telangana	12378	0	239.4	93.3	0.3	640	0.00
SR	Karnataka	14196	0	265.3	99.8	-2.0	947	0.00
	Kerala	4027	0	82.6	58.2	-0.4	211	0.00
	Tamil Nadu	15746	0	339.6	200.8	-2.4	957	0.00
	Puducherry	391	0	8.0	8.1	-0.1	24	0.00
	Bihar	5269	0	84.5	77.9	0.2	317	0.04
	DVC	3462	0	70.7	-47.7	-1.3	257	0.00
	Jharkhand	1558	158	27.6	19.5	-1.4	207	2.61
ER	Odisha	5638	0	115.0	50.0	-0.1	406	0.00
	West Bengal	7043	0	125.4	-5.3	0.5	430	0.00
	Sikkim	130	0	2.0	2.2	-0.2	41	0.00
	Arunachal Pradesh	153	0	2.6	2.7	-0.3	35	0.00
	Assam	1475	0	25.7	19.0	0.2	153	0.00
	Manipur	245	0	3.4	3.4	0.0	61	0.00
NER	Meghalaya	403	0	7.4	5.7	0.1	54	0.00
	Mizoram	118	0	1.8	1.9	-0.3	10	0.00
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D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

Nagaland

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.4	-11.3	-19.8
Day Peak (MW)	-319.0	-702.7	-853.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	114.4	-99.8	130.8	-146.5	1.2	0.0
Actual(MU)	103.9	-81.4	145.9	-169.0	-1.6	-2.2
O/D/U/D(MU)	-10.5	18.4	15.1	-22.5	-2.7	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6718	12930	6532	2831	369	29379	42
State Sector	10584	19659	7978	2500	11	40732	58
Total	17302	32588	14510	5331	380	70111	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	618	1266	582	608	15	3089	75
Lignite	23	15	45	0	0	84	2
Hydro	121	57	95	26	9	308	7
Nuclear	32	30	65	0	0	127	3
Gas, Naptha & Diesel	16	10	7	0	29	63	2
RES (Wind, Solar, Biomass & Others)	121	90	224	5	0	441	11
Total	932	1468	1019	639	53	4111	100
Share of RES in total generation (%)	12.96	6.12	22.03	0.82	0.68	10.72	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	29.45	12.01	37.72	4.88	17.38	21.30	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.075

0.00

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: 24 Feb 2022

							Date of Reporting:	
Sl	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (		1101 OF CITCUIT	man import (mrvv)	man Export (mr))	import (inte)	1	1121 (110)
1		ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2		PUSAULI B/B	-	4	Ö	0.0	0.0	0.0
3		GAYA-VARANASI	2	0	916	0.0	15.9	-15.9
5		SASARAM-FATEHPUR GAYA-BALIA	+ +	0	553 682	0.0	10.4 10.9	-10.4 -10.9
6	400 kV	PUSAULI-VARANASI	i	0	127	0.0	1.7	-1.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	167	0.0	2.1	-2.1
8		MUZAFFARPUR-GORAKHPUR	2	0	645	0.0	7.6 16.7	-7.6
10		PATNA-BALIA BIHARSHARIFF-BALIA	4	0	901 592	0.0	8.7	-16.7 -8.7
11		MOTIHARI-GORAKHPUR	2	Ŏ	441	0.0	7.2	-7.2
12		BIHARSHARIFF-VARANASI	2	0	390	0.0	6.6	-6.6
13		SAHUPURI-KARAMNASA	1	0	125	0.0	1.6 0.0	-1.6
14 15	132 kV 132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	+ +	0 25	0	0.1 0.4	0.0	0.1 0.4
16	132 kV	KARMANASA-SAHUPURI	î	0	Ö	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Immo	rt/Export of ER (	With W/D)			ER-NR	0.5	89.3	-88.8
1 1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	822	157	8.1	0.0	8.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	101	966	0.0	11.3	-11.3
3	765 kV	JHARSUGUDA-DURG	2	0	508	0.0	6.9	-6.9
							7.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	586	0.0		-7.4
5		RANCHI-SIPAT	2	9	300	0.0	3.0	-3.0
6		BUDHIPADAR-RAIGARH	1	0	220	0.0	2.9	-2.9
7	220 kV	BUDHIPADAR-KORBA	2	56	26	0.6	0.0	0.6
Imne	rt/Export of ER (	With SR)			ER-WR	8.8	31.4	-22.7
1		JEYPORE-GAZUWAKA B/B	2	0	388	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1994	0.0	48.1	-48.1
3		ANGUL-SRIKAKULAM	2	0	3180	0.0	58.5 2.6	-58.5
5		TALCHER-I/C BALIMELA-UPPER-SILERRU	2	0	198 0	0.0	0.0	-2.6 0.0
				<u> </u>	ER-SR	0.0	115.3	-115.3
Impo	rt/Export of ER (							
1	400 kV	BINAGURI-BONGAIGAON	2	411	0	4.3	0.0	4.3
3		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	539 100	0	6.5 1.1	0.0	6.5
	220 KV	ALIPURDUAR-SALAKATI		100	ER-NER	11.9	0.0	11.9
Impo	rt/Export of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	2	469	0	11.2	0.0	11.2
Immo	ut/Ermout of WD	(Wish ND)			NER-NR	11.2	0.0	11.2
1	rt/Export of WR HVDC	CHAMPA-KURUKSHETRA	2	0	642	0.0	11.7	-11.7
2	HVDC	VINDHYACHAL B/B		319	52	6.3	0.0	6.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	250	0.0	6.2	-6.2
4		GWALIOR-AGRA	2	141	1239 1959	0.1	12.4 30.7	-12.3 -30.7
6		GWALIOR-PHAGI JABALPUR-ORAI	2	0	869	0.0	21.0	-30.7
7		GWALIOR-ORAI	ĩ	878	0	15.4	0.0	15.4
8		SATNA-ORAI	1	0	944	0.0	17.7	-17.7
9		BANASKANTHA-CHITORGARH	2	2074	0	41.3	0.0	41.3
10		VINDHYACHAL-VARANASI ZERDA-KANKROLI	1	0 404	2071	0.0 7.8	22.6 0.0	-22.6 7.8
	400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1 1	404 518	2071 0 0	7.8 8.3	0.0 0.0	7.8 8.3
10 11 12 13	400 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND	1 1 1	404 518 480	0 0 0	7.8 8.3 10.9	0.0 0.0 0.0	7.8 8.3 10.9
10 11 12 13 14	400 kV 400 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2	404 518 480 329	0 0 0 265	7.8 8.3 10.9 2.9	0.0 0.0 0.0 0.9	7.8 8.3 10.9 2.1
10 11 12 13 14 15	400 kV 400 kV 400 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 1 1 2	404 518 480 329 0	0 0 0 265 0	7.8 8.3 10.9 2.9 0.0	0.0 0.0 0.0 0.9 0.0	7.8 8.3 10.9 2.1 0.0
10 11 12 13 14 15 16	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	404 518 480 329 0	0 0 0 265 0 30	7.8 8.3 10.9 2.9 0.0	0.0 0.0 0.0 0.9 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0
10 11 12 13 14 15 16 17 18	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 MALANPUR-AURAIYA	1 1 1 2 1 1	404 518 480 329 0 0 149 103	0 0 0 265 0 30 0	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3	0.0 0.0 0.0 0.9 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3
10 11 12 13 14 15 16 17 18 19	400 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	1 1 1 2 1 1 1	404 518 480 329 0 0 149 103 0	0 0 0 265 0 30 0	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0	0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0
10 11 12 13 14 15 16 17 18	400 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	1 1 1 2 1 1 1 1 1 2	404 518 480 329 0 0 149 103	0 0 0 265 0 30 0 0	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0	0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20	400 kV 400 kV 400 kV 400 kV 220 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	1 1 1 2 1 1 1 1 1 1 2	404 518 480 329 0 0 149 103 0	0 0 0 265 0 30 0	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0	0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0
10 11 12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALTIPUR With SR) BHADRAWATI B/B	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	404 518 480 329 0 0 149 103 0 0	0 0 0 265 0 30 0 0 0 WR-NR	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0 96.9	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 -26.4
10 11 12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAL MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 1 1 1 2 1 1 1 1 1 1 2 2	404 518 480 329 0 0 149 103 0 0	0 0 0 265 0 30 0 0 0 WR-NR	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0 0.0 96.9	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 -26.4 -33.3
10 11 12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC HVDC HVDC	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGRATH-PUGALUR SOLAPUR-RAICHUR	1 1 1 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	404 518 480 329 0 0 149 103 0 0 0	0 0 0 265 0 30 0 0 0 WR-NR	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0 96.9 0.0 0.0 3.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 -26.4
10 11 12 13 14 15 16 17 18 19 20 Impo	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 17tExport of WR. HVDC HVDC 765 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPIR BHANPURA-RANPUR BHANPURA-WARMAM BHANPURA-WARMAM MALANPURA-WARMAM MALANPURA-URAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 1 2 1 1 1 1 1 1 2 2	404 518 480 329 0 0 149 103 0 0	0 0 0 265 0 30 0 0 0 WR-NR	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0 0.0 96.9	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 -26.4 -33.3
10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	404 518 480 329 0 0 149 103 0 0 0 0 787 0 1607	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 3055 0	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 2.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2-6.4
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	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 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 RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	404 518 480 329 0 0 149 103 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 265 0 30 0 0 0 0 WR-NR 515 2003 2055 3055 0 0	7.8 8.3 10.9 2.9 0.0 0.0 1.5 2.3 0.0 96.9 0.0 0.0 3.1 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 2.6.4 -11.9 -33.3 -13.0 43.5 22.6 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5 6	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 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	404 518 480 329 0 0 149 103 0 0 0 0 787 0 1607	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 3055 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 0.0 2.6.4 -11.9 -33.3 -13.0 43.5 22.6 0.0 0.0 1.4
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	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 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	404 518 480 329 0 0 149 103 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 3055 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 0.0 2.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4 -11.9 -33.3 -13.0 2.2.6 0.0 0.0 1.4 -77.7
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALJOR-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	404 518 480 329 0 0 149 103 0 0 0 0 107 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 0 0 0 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 0.0 3.1 0.0 22.6 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4  -11.9 -33.3 -13.0 -43.5 2.2.6 0.0 0.0 1.4 -77.7 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	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 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	404 518 480 329 0 0 149 103 0 0 0 0 1607 0 0 0  CCHANGES	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 3055 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4  -11.9 -33.3 -13.0 -43.5 2.2.6 0.0 0.0 1.4 -77.7 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region	1	404 518 480 329 0 0 0 149 103 0 0 0 787 0 1607 0 0  CCCHANGES    Name  HU-ALIPURDUAR	0 0 0 0 0 2655 0 0 0 0 0 0 WR-NR 515 22003 2055 3055 0 0 0 0 4 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 0.0 3.1 0.0 2.2.6 0.0 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4 -11.9 -33.3 -13.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALJOR-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	404 518 480 329 0 0 149 103 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 0 0 0 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 0.0 3.1 0.0 22.6 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4 -11.9 -33.3 -13.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region	1	404 518 480 329 0 0 149 103 0 0 0 0 149 0 0 0 0 0 0 0  CCHANGES  Name  AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400W)	0 0 0 0 0 2655 0 0 0 0 0 0 WR-NR 515 22003 2055 3055 0 0 0 0 4 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 0.0 3.1 0.0 2.2.6 0.0 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4 -11.9 -33.3 -13.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region	1	404 518 480 480 329 0 0 149 103 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 2655 0 0 0 0 0 0 WR-NR 515 22003 2055 3055 0 0 0 0 4 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 0.0 3.1 0.0 2.2.6 0.0 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4 -11.9 -33.3 -13.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1	404 518 480 329 0 0 149 103 0 0 0 149 0 0 0 0 0 0 0  CCHANGES  Name  AR RECEIPT (from 4*180MW) URI 1,2,4 (8 400kV URI) i.e. BINAGURI A HEP (6*120MW)	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 0 0 0 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 3.1 0.0 22.6 0.0 1.4 27.1 Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2-6.4 -11.9 -33.3 -13.0 2.2.6 0.0 0.0 1.4 -77.7 +ve)/Export(-ve) Energy Exchange (MIT) 0.5
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 160 kV 170 kV	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 RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1	404   518   480   329   0   0   0   149   103   103   104   105	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 22.6 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2-6.4 -11.9 -33.3 -13.0 2.2.6 0.0 0.0 1.4 -77.7 +ve)/Export(-ve) Energy Exchange (MIT) 0.5
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 140 kV 250 kV 260 kV 276 kV 277 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1	404   408   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 0 0 0 WR-SR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 3.1 0.0 22.6 0.0 1.4 27.1 Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4  -11.9 -33.3 -13.0 4.3.5 2.2.6 0.0 0.0 1.4 -77.7 -(+ve)/Export(-ve) Energy Exchange (MIT) 0.5
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 140 kV 250 kV 260 kV 276 kV 277 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAM	1	404   408   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 0 0 0 WR-SR 0 0 0 0 WR-NR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 3.1 0.0 22.6 0.0 1.4 27.1  Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 140 kV 250 kV 260 kV 276 kV 277 kV	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 RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1	404   408   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 22.6 0.0 0.0 1.4 27.1	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4 11.9 3.3.3 13.0 43.5 22.6 0.0 0.0 1.4 -77.7 +ve)/Expert-ve) Energy Exchange (MIT) 0.5
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 140 kV 250 kV 260 kV 276 kV 277 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  ER	1	404 41518 480 480 9 9 149 103 104 9 105 105 0 0 0 0 1607 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 3.1 0.0 0.0 22.6 0.0 0.0 0.0 1.4 27.1  Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 143 kV 149 kV 140 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAM	1	404 41518 480 480 9 9 149 103 104 9 105 105 0 0 0 0 1607 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 265 0 30 0 0 0 WR-NR 515 2003 2055 0 0 0 WR-SR 0 0 0 0 WR-NR	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 96.9 0.0 3.1 0.0 22.6 0.0 1.4 27.1  Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 143 kV 149 kV 140 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  ER	1	404 518 480 480 329 0 0 149 103 0 0 149 103 0 0 0 0 787 0 0 0 0 0 XCHANGES 8 Name 8 RECEIPT (from 44180AW) URI 1,2,4 (8.400KV URI ), E. BINAGURI A HEP (6*170AW) WPARA 182 (& 220kV A) E. BIRPARA KIKHA HEP 4*84MW) LAKATI ANGIA	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 3.1 0.0 0.0 22.6 0.0 0.0 0.0 1.4 27.1  Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 143 kV 149 kV 140 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  ER	1	404 518 480 480 329 0 0 149 103 0 0 149 103 0 0 0 0 787 0 0 0 0 0 XCHANGES 8 Name 8 RECEIPT (from 44180AW) URI 1,2,4 (8.400KV URI ), E. BINAGURI A HEP (6*170AW) WPARA 182 (& 220kV A) E. BIRPARA KIKHA HEP 4*84MW) LAKATI ANGIA	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 3.1 0.0 0.0 22.6 0.0 0.0 0.0 1.4 27.1  Min (MW)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 143 kV 149 kV 140 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WALIFALIA BHANPURA-WALIFALIA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAH MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER	1	404 518 480 480 329 0 0 149 103 0 0 149 103 0 0 0 0 787 0 0 0 0 0 XCHANGES 8 Name 8 RECEIPT (from 44180AW) URI 1,2,4 (8.400KV URI ), E. BINAGURI A HEP (6*170AW) WPARA 182 (& 220kV A) E. BIRPARA KIKHA HEP 4*84MW) LAKATI ANGIA	0 0 0 0 0 265 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 2.2.6 0.0 0.0 1.4 27.1  Min (MW)  0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 9.0 1.5 2.3 3.3 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.4 27.7.7 (+ve)/Export(-ve) Energy Exchange (MII) 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPIR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARMAN MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER	1	404   408   480	0 0 0 0 0 265 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 0.0 3.1 0.0 0.0 1.4 27.1  Min (MW)  0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4  -11.9 -33.3 13.0 -43.5 22.6 0.0 0.0 1.4 -77.7 +ve)/Export(-ve) Energy Exchange (MII) 0.5  0.0 0.0 0.1 -1.6
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 143 kV 149 kV 140 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WALIFALIA BHANPURA-WALIFALIA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAH MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER	1	404   408   480	0 0 0 0 0 265 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 2.2.6 0.0 0.0 1.4 27.1  Min (MW)  0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 9.0 1.5 2.3 3.3 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.4 27.7.7 (+ve)/Export(-ve) Energy Exchange (MII) 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGAI UR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	I I I I I I I I I I I I I I I I I I I	404   408   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 0.0 2.2.6 0.0 0.0 0.0 1.4 27.1  Min (MW)  0  4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 3.3 1.3.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange (MII) 0.5 0.0 0.0 0.1 -1.6
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPIR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARMAN MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER	I I I I I I I I I I I I I I I I I I I	404   408   480	0 0 0 0 0 265 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 0.0 3.1 0.0 0.0 1.4 27.1  Min (MW)  0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 2.6.4  -11.9 -33.3 13.0 -43.5 22.6 0.0 0.0 1.4 -77.7 +ve)/Export(-ve) Energy Exchange (MII) 0.5  0.0 0.0 0.1 -1.6
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGAI UR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	I I I I I I I I I I I I I I I I I I I	404   408   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 0.0 2.2.6 0.0 0.0 0.0 1.4 27.1  Min (MW)  0  4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 3.3 1.3.0 2.6.4 -11.9 -33.3 -13.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange (MII) 0.5 0.0 0.0 0.1 -1.6
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGAI UR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	404   408   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 0.0 2.2.6 0.0 0.0 0.0 1.4 27.1  Min (MW)  0  4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 3.3 1.3.0 -43.5 2.6 0.0 0.0 1.4 -77.7 (+ve)/Export(-ve) Energy Exchange (MII) 0.5 0.0 0.0 0.1 -1.6
10 11 12 13 14 15 16 17 18 19 20 1 2 3 4 5 6 7	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARMAN MALANPURA-WARMAN MADHANIZAMABAD KOLHAPUR-RUNCI KOLHAPUR-KUNCI KOLHAPUR-CHIKODI PONDA-MBEWADI  IN Region  ER  ER  FR  NER  NER  NER  NER  NER  N	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	404   518   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 0 0 265 0 0 0 0 0 WR-NR 2055 0 0 0 0 74 WR-SR 2003 2055 0 0 0 0 121 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 3.1 0.0 22.6 0.0 0.0 1.4 27.1  Min (MW)  0  6  4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 3.3 -13.0 -26.4  -11.9 -33.3 -13.0 -43.5 2.2.6 0.0 0.0 1.4 -77.7  +ve)/Export(-ve) Energy Exchange (MII) 0.5  0.0 0.0  0.2  0.1 -1.6 -3.6
10   11   12   13   14   15   16   17   18   19   20   18   19   20   18   19   20   18   19   20   18   19   20   18   19   20   18   19   20   18   20   20   20   20   20   20   20   2	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 152 kV 152 kV 152 kV 153 kV 154 kV 155 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORISAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROLHAPUR-KUDGI FER  ER  ER  ER  ER  ER  ER  ER  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	404 518 480 329 0 0 149 103 0 0 109 109 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 0.0 0.0 3.1 0.0 0.0 22.6 0.0 0.0 0.0 1.4 27.1  Min (MW)  0  4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 0.0 1.5 2.3 0.0 0.0 -2.6.4 -11.9 -33.3 -13.0 -43.5 -22.6 0.0 0.0 1.4 -77.7 -(+ve)/Export(-ve) Energy Exchange (MII) 0.5 0.0 0.0 -2.6 -3.6 -3.6 -6.1
10 11 11 12 13 14 15 16 17 18 19 20 11 12 3 4 5 6 7 8	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 765 kV 400 kV 220 kV 220 kV 55 kV 765 kV 55 kV 55 kV 55 kV 56 kV 57 kV 58	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARMAN MALANPURA-WARMAN MADHANIZAMABAD KOLHAPUR-RUNCI KOLHAPUR-KUNCI KOLHAPUR-CHIKODI PONDA-MBEWADI  IN Region  ER  ER  FR  NER  NER  NER  NER  NER  N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	404   518   480   329   0   0   0   149   103   0   0   0   0   0   0   0   0   0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.8 8.3 10.9 2.9 0.0 0.0 0.0 1.5 2.3 0.0 0.0 96.9 0.0 3.1 0.0 22.6 0.0 0.0 1.4 27.1  Min (MW)  0  6  4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.8 8.3 10.9 2.1 0.0 0.0 1.5 2.3 0.0 0.0 1.5 2.3 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 1.3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0