

## **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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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 ७९३००६ Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,२९ , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 05.09.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-सितंबर-2020 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 05<sup>th</sup> September 2020, is available at the NLDC website.

धन्यवाद,

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



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Report for pre	evious day ply Position at All India and Regional level				Date	e of Reporting:	06-Se <sub>1</sub>	p-2020
TAT TO WELL BURD	pry 1 obrasin at 1111 Irida and Megional level	NR	WR	SR	ER	NER	TOTAL	1
Demand Met du	uring Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	55027	46364	39091	22282	2719	165483	1
Peak Shortage	(MW)	368	0	0	0	254	622	1
Energy Met (M	IU)	1249	1079	923	486	54	3791	1
Hydro Gen (M	U)	332	116	104	136	19	706	1
Wind Gen (MU	J)	2	17	25	-	-	44	1
Solar Gen (MU	()*	24.76	28.69	96.12	4.55	0.05	154	İ
Energy Shortag	ge (MU)	0.0	0.0	0.0	0.0	1.1	1.1	
Maximum Dem	and Met During the Day (MW) (From NLDC SCADA)	56317	46427	42446	22623	2714	165564	
Time Of Maxin	num Demand Met (From NLDC SCADA)	00:00	14:50	11:46	00:00	18:54	19:40	1
B. Frequency	Profile (%)							_
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	1
All India	0.021	0.00	0.00	1.19	1.19	81.63	17.17	1
C. Power Supp	ply Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the dav(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortag (MU)
	Punjab	8948	0	194.7	133.8	-2.7	33	0.0
	Haryana	9231	0	185.7	150.3	-0.9	285	0.0
	Rajasthan	8406	0	185.8	75.3	-2.4	598	0.0
	Delhi	5151	0	104.4	92.2	-1.1	195	0.0
NR	UP	22163	0	455.9	214.4	-1.4	522	0.0
	Uttarakhand	1895	0	42.3	18.8	0.2	131	0.0
	HP	1405	33	31.3	-2.8	-0.3	122	0.0
	J&K(UT) & Ladakh(UT)	2330	0	43.5	24.5	0.7	248	0.0
	Chandigarh	268	0	5.6	5.4	0.2	28	0.0
	Chhattisgarh	3775	0	89.9	42.8	-1.0	254	0.0
	Gujarat	13789	0	305.3	76.5	0.2	477	0.0
	MP	9149	0	208.5	121.6	-2.0	575	0.0
WR								
WK	Maharashtra	19326	0	425.1	178.9	-1.6	501	0.0

442

746

760

13415 375 5704

93

104

1728 198

312 88

127

9.5

17.2

16.7

182.6

217.4 167.5 68.9

278.4

8.0

64.4

29.0

87.8 178.5

1.1 2.1 34.5 2.5 5.5 1.6

0

9.0

17.1

2.1

72.3 92.5 72.4 54.2

161.7

8.4 117.0

-40.4 21.2

16.6 52.4 1.2 1.9

30.1 2.7

0.5

-0.1

0.1

0.1

-0.4

0.1

0.1

-1.0 -0.4

-0.4

-1.4

-0.3

1.5

-0.1

0.2

0.9

-0.1

0.0

-0.4

45

261

1119

655 583

179

486 41

270 395

285 345

30

48

21

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	48.9	-2.3	-25.9
Day Peak (MW)	2224.0	-285.1	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	316.6	-326.4	106.4	-102.8	6.3	0.0
Actual(MU)	309.2	-332.4	119.5	-107.0	10.8	0.2
O/D/U/D(MU)	-7.3	-6.0	13.1	-4.1	4.5	0.2

## F. Generation Outage(MW)

Goa DD

DNH

SR

ER

NER

AMNSIL

Karnataka

Kerala Tamil Nadu Puducherry

Bihar DVC Jharkhand Odisha West Bengal

Arunachal Pradesh

Sikkim

Assam

Manipur

Meghalaya

Mizoram

Nagaland Tripura

Andhra Pradesh Telangana

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5509	11853	9152	2665	275	29455
State Sector	11089	21358	12442	4825	11	49725
Total	16598	33211	21594	7490	286	79179

### G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	493	1163	450	485	10	2601
Lignite	26	5	25	0	0	56
Hydro	332	116	104	136	19	706
Nuclear	26	24	69	0	0	119
Gas, Naptha & Diesel	32	83	16	0	21	152
RES (Wind, Solar, Biomass & Others)	51	46	153	5	0	254
Total	961	1437	816	625	50	3888
Share of RES in total generation (%)	5.30	3.22	18.70	0.73	0.10	6.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	42.66	12.90	39.86	22.43	37.66	27.76

11 111 India Demand Diversity Luctor	
Based on Regional Max Demands	1.030
Based on State Max Demands	1.081

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: 06-Sep-2020

						Date of Reporting:	06-Sep-2020
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER	(With NR)	1					
1 HVDC	ALIPURDUAR-AGRA	2	0	999	0.0	24.3	-24.3
2 HVDC 3 765 kV	PUSAULI B/B GAYA-VARANASI		0	198	0.0	5.0	-5.0
4 765 kV	SASARAM-FATEHPUR	í	203	628 95	0.0 1.5	8.7 0.0	-8.7 1.5
5 765 kV	GAYA-BALIA	1	0	526	0.0	9.2	-9.2
6 400 kV	PUSAULI-VARANASI	1	0	200	0.0	4.1	-4.1
7 400 kV 8 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	0	75 670	0.0	0.7 11.8	-0.7 -11.8
9 400 kV	PATNA-BALIA	4	Ů	927	0.0	17.6	-17.6
10 400 kV	BIHARSHARIFF-BALIA	2	0	400	0.0	5.3	-5.3
11 400 kV 12 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0 119	310	0.0	6.7	-6.7
13 220 kV	PUSAULI-SAHUPURI	1	119	162 97	0.0	0.4 1.1	-0.4 -1.1
14 132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	30	0	0.2	0.0	0.2
16 132 kV 17 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	+	0	0	0.0	0.0	0.0 0.0
		•		ER-NR	1.7	94.7	-93.0
Import/Export of ER							
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1227	0	14.6	0.0	14.6
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	1339	0	22.6	0.0	22.6
3 765 kV	JHARSUGUDA-DURG	2	300	31	2.5	0.0	2.5
4 400 kV	JHARSUGUDA-RAIGARH	4	226	270	0.0	0.7	-0.7
5 400 kV	RANCHI-SIPAT	2	526	0	7.2	0.0	7.2
6 220 kV	BUDHIPADAR-RAIGARH	1	37	57	0.0	0.4	-0.4
7 220 kV	BUDHIPADAR-KORBA	2	171	0 ER-WR	2.7 49.6	0.0 1.1	2.7 48.5
Import/Export of ER							40.2
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	380	0.0	8.7	-8.7
2 HVDC 3 765 kV	TALCHER-KOLAR BIPOLE	2 2	0	1641	0.0	39.7 37.9	-39.7 -37.9
3 765 kV 4 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2	176	2198 0	0.0 2.4	37.9 0.0	-37.9 2.4
5 220 kV	BALIMELA-UPPER-SILERRU	1	170	0	0.0	0.0	0.0
Import/Ev				ER-SR	0.0	86.2	-86.2
Import/Export of ER 1 400 kV	BINAGURI-BONGAIGAON	2	0	513	0.0	8.9	-8.9
2 400 kV	ALIPURDUAR-BONGAIGAON	2	0	632	0.0	9.7	-9.7
3 220 kV	ALIPURDUAR-SALAKATI	2	Ŏ	154	0.0	2.5	-2.5
Import/Export of NET	R (With NR)			ER-NER	0.0	21.1	-21.1
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	555	0.0	13.3	-13.3
		=	v	NER-NR	0.0	13.3	-13.3
Import/Export of WR				1001	0.0	240	24.0
1 HVDC 2 HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0 450	1001 400	0.0 8.3	34.8 2.9	-34.8 5.4
3 HVDC	MUNDRA-MOHINDERGARH	2	0	1457	0.0	29.3	-29.3
4 765 kV	GWALIOR-AGRA	2	0	2641	0.0	50.5	-50.5
5 765 kV	PHAGI-GWALIOR	2 2	0	1363	0.0	24.5	-24.5
6 765 kV 7 765 kV	JABALPUR-ORAI GWALIOR-ORAI	1	0 399	1013 0	0.0 7.9	41.8 0.0	-41.8 7.9
8 765 kV	SATNA-ORAI	1	0	1526	0.0	32.0	-32.0
9 765 kV	CHITORGARH-BANASKANTHA	2	0	1208	0.0	18.2	-18.2
10 400 kV 11 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	0 82	202 204	0.0	2.4 1.9	-2.4 -1.9
12 400 kV	VINDHYACHAL -RIHAND	1	968	0	22.5	0.0	22.5
13 400 kV	RAPP-SHUJALPUR	2	0	397	0.0	6.5	-6.5
14 220 kV 15 220 kV	BHANPURA-RANPUR	1	11 0	0 138	0.0	2.1 2.2	-2.1 -2.2
16 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	91	0	0.3	0.0	0.3
17 220 kV	MALANPUR-AURAIYA	1	54	19	1.0	0.0	1.0
18 132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19 132 kV			0				
	RAJGHAT-LALITPUR	2		0 WR-NR	0.0 40.0	0.0	0.0
Import/Export of WR	(With SR)	2		WR-NR	0.0 40.0		
1 HVDC	(With SR) BHADRAWATI B/B	-	0	WR-NR 945	0.0	0.0 249.1 19.9	0.0 -209.1 -19.9
1 HVDC 2 HVDC	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR	2 - 2 2	0	945 1500	0.0 0.0	0.0 249.1 19.9 32.5	0.0 -209.1 -19.9 -32.5
1 HVDC 2 HVDC 3 765 kV 4 765 kV	(With SR) BHADRAWATI B/B	-	0 0 1126	WR-NR 945	0.0	0.0 249.1 19.9	0.0 -209.1 -19.9
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2	0 0 1126 0 792	945 1500 1797 1938 0	40.0 0.0 0.0 0.0 0.0 13.6	0.0 249.1 19.9 32.5 9.2 27.9 0.0	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	(With SR)  BHADRAWATI B/B  RAIGARH-PUGALUR  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI	2 2 2 2 2 2	0 0 1126 0 792	945 1500 1797 1938 0	0.0 0.0 0.0 0.0 0.0 13.6 0.0	0.0 249.1 19.9 32.5 9.2 27.9 0.0	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6 0.0
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2	0 0 1126 0 792	WR-NR  945 1500 1797 1938 0 0 0 888	40.0 0.0 0.0 0.0 0.0 13.6	0.0 249.1 19.9 32.5 9.2 27.9 0.0	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 1	0 0 1126 0 792 0 0	WR-NR  945 1500 1797 1938 0 0 0 WR-SR	0.0 0.0 0.0 0.0 0.0 13.6 0.0	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6 0.0 0.0
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 1	0 0 1126 0 792 0	WR-NR  945 1500 1797 1938 0 0 0 WR-SR	0.0 0.0 0.0 0.0 0.0 13.6 0.0 0.0	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6 0.0 0.0 1.5 -74.4
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 2 1 1	0 0 1126 0 792 0 0	WR-NR  945 1500 1797 1938 0 0 0 WR-SR	0.0 0.0 0.0 0.0 0.0 13.6 0.0 0.0	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6 0.0 0.0 1.5 -74.4 Energy Exchange
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 1 1	0 0 1126 0 792 0 0 0 1	WR-NR  945 1500 1797 1938 0 0 WR-SR	40.0 0.0 0.0 0.0 0.0 13.6 0.0 0.0 1.5 15.1	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6 0.0 0.0 1.5 -74.4
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	-   2   2   2   2   2   2   2   1   1   1	0 0 11126 0 792 0 0 1 1  NATIONAL EXCHA Name IU-ALIPURDUAR R RECEIPT (from	WR-NR  945 1500 1797 1938 0 0 WR-SR	40.0 0.0 0.0 0.0 0.0 13.6 0.0 0.0 1.5 15.1	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 13.6 0.0 0.0 1.5 -74.4 Energy Exchange
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	- 2 2 2 2 2 2 2 2 2 1 1 1 INTER LINE 400KV MANGGECHH 1&2 1e, ALIPURDUA MANGGECHH 2ANGGECHH 2ANGGECHH 2D 2 1e, ALIPURDUA MANGGECHH 2D 2 2 1e, ALIPURDUA MANGGECHH 2 1e, ALIPURDUA MANGGECH 2 1e, ALIPURDUA MANGGECH 2 1e, ALIPURDUA MANGGECH 2 1e, ALIPUR	0   0   0   1126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  NGES  Max (MW)	40.0 0.0 0.0 0.0 0.0 0.0 13.6 0.0 0.0 1.5 15.1	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5 Avg (MW)	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -74.4 Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	-   2   2   2   2   2   2   2   1   1   1	0 0 1126 0 792 0 0 1 1 NATIONAL EXCHA Name IU-ALIPURDUAR R RECEIPT (from 19180MW) USH 1,2,4 (& 400k V	WR-NR  945 1500 1797 1938 0 0 0 WR-SR  WR-SR  NGES  Max (MW)	40.0 0.0 0.0 0.0 0.0 13.6 0.0 1.5 15.1 Min (MW)	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -1.5 -74.4 Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	-   2   2   2   2   2   2   2   2   1   1	0 1126 0 1126 0 792 0 0 1 1  NATIONAL EXCHA Name IU-ALIPURDUAR R RECEIPT (from 9180MW) URI 1,2,4 (& 400kV) IRI 1,6,8 INAGURI A HEP (6°110MW)	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  NGES  Max (MW)	40.0 0.0 0.0 0.0 0.0 0.0 13.6 0.0 0.0 1.5 15.1	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5 Avg (MW)	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -74.4 Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	INTER  2 2 2 2 2 2 2 1 1 IIIIIIIIIIIIIIIIIIII	0   0   0   1126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW) 701	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -1.5 -74.4  Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER		0 1126 0 11126 0 792 0 0 1 1 NATIONAL EXCHA Name IU-ALIPURDUAR R RECEIPT (from 4*180MW) URI 1,2.4 (& 400kV) IRI 1,6. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV	WR-NR  945 1500 1797 1938 0 0 0 WR-SR  WR-SR  NGES  Max (MW)	40.0 0.0 0.0 0.0 0.0 13.6 0.0 1.5 15.1 Min (MW)	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -1.5 -74.4 Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION  REGION  ER  ER  ER	- 2 2 2 2 2 2 1 1 1 INTER 400KV MANGDECHI 1&2 i.e. ALIPURDUA MANGDECHU HEP 2 400KV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL	0 10 1126 0 792 0 0 1 1 1 NATIONAL EXCHA Name RECEIPT (from \$^{4}\$180MW) URI 1,2,4 (& 400kV   RI) i.e. BINAGURI A HEP (6*170MW) PARA 1 k2 (& 220kV   A i.e. BIRPARA KHA HEP 4*84MW)	WR-NR  945 1500 1797 1938 0 0 88 WR-SR  NGES  Max (MW)  865	40.0  0.0  0.0  0.0  0.0  13.6  0.0  1.5  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -1.5 -74.4  Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER		0 10 1126 0 792 0 0 1 1 1 NATIONAL EXCHA Name RECEIPT (from \$^{4}\$180MW) URI 1,2,4 (& 400kV   RI) i.e. BINAGURI A HEP (6*170MW) PARA 1 k2 (& 220kV   A i.e. BIRPARA KHA HEP 4*84MW)	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW) 701	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER	INTER  2 2 2 2 2 2 1 1 INTER  LINE  400kV MANGDECHI 18/2 1e, ALIPURDUA MANGDECHI HEP, 1400kV TALA-BINAG MALBASE BIRAG MALBASE BIRAG MALBASE BIRAG MALBASE BIRAG MALBASE BIRAGH MALBASH MA	0 0 10 1126 0 1792 0 0 792 0 0 1 1 NATIONAL EXCHA Name H-ALIPURDUAR R RECEIPT (from #180MW) URI 1,24 (& 400kV RID is BIRPAR KHA HEP 4*84MW) J- SALAKATI	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865 1079 408	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4 Energy Exchange (MU) 16.8 22.6
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION  REGION  ER  ER  ER	- 2 2 2 2 2 2 1 1 1 INTER 400KV MANGDECHI 1&2 i.e. ALIPURDUA MANGDECHU HEP 2 400KV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL	0 0 10 1126 0 1792 0 0 792 0 0 1 1 NATIONAL EXCHA Name H-ALIPURDUAR R RECEIPT (from #180MW) URI 1,24 (& 400kV RID is BIRPAR KHA HEP 4*84MW) J- SALAKATI	WR-NR  945 1500 1797 1938 0 0 88 WR-SR  NGES  Max (MW)  865	40.0  0.0  0.0  0.0  0.0  13.6  0.0  1.5  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701	0.0 -209.1 -19.9 -3.2.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4 Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER	INTER  2 2 2 2 2 2 1 1 INTER  INTER  400KV MANGDECHI 182 1e, ALIPURDUA MANGBECHI HEP 400KV TALA-BINAG RECEIPT (from TAL ZOKV CHUKHA-BIR MALBASE - BINAGR MALBASE - BIRAGR MALBASE - BIRAGR MALBASE - BIRAGR MALBASE - BIRAGR	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865 1079 408	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4 Energy Exchange (MU) 16.8 22.6
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B BRAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER	- 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER  Line G00kV MANGDECHI 1&2 i.e. ALIPURDUA MANGDECHI 1&2 i.e. ALIPURDUA MANGDECHI HEP- 400kV TAL- BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRYAR RECEBIT (from TAL 132kV-GEYLEGPHU 132kV Motanga-Rang 132kV-TANAKPUR(1	0   0   0   0   1126   0   126   0   126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865 1079 408	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4 Energy Exchange (MU) 16.8 22.6
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  Region  ER  ER  ER  NER	INTER  2 2 2 2 2 2 1 1 INTER  INTER  400KV MANGDECHI 182 1e, ALIPURDUA MANGBECHI HEP 400KV TALA-BINAG RECEIPT (from TAL ZOKV CHUKHA-BIR MALBASE - BINAGR MALBASE - BIRAGR MALBASE - BIRAGR MALBASE - BIRAGR MALBASE - BIRAGR	0   0   0   0   1126   0   126   0   126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  NGES  Max (MW)  865  1079  408  -59	40.0  0.0  0.0  0.0  0.0  1.5  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  -41	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -3.6 -0.0 -0.0 -1.5 -74.4
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV  State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  Region  ER  ER  ER  NER	- 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER  Line G00kV MANGDECHI 1&2 i.e. ALIPURDUA MANGDECHI 1&2 i.e. ALIPURDUA MANGDECHI HEP- 400kV TAL- BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRYAR RECEBIT (from TAL 132kV-GEYLEGPHU 132kV Motanga-Rang 132kV-TANAKPUR(1	0   0   0   1126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  NGES  Max (MW)  865  1079  408  -59	40.0  0.0  0.0  0.0  0.0  1.5  15.1  Min (MW)  627	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  -41	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -3.6 -0.0 -0.0 -1.5 -74.4
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV State	(With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  ER  NER  NER	INTER  2 2 2 2 2 2 1 1 INTER  LINE  400KV MANGDECHI 18-2 1c. ALIPURDUA MANGDECHI HEP 400KV TALA-BINAG RECEIPT (from TAL 20kV CHUKHA-BIR MALBASE - BIRAGR MALBAS	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865 1079 408 -59 -69	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627  920  0  -5	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 9.5  Avg (MW) 701 943 301 -41 -52	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER	- 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER  Line  GORV MANGDECHI 1&2 i.e. ALIPURDUA MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEBIT (from TAL 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR( MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARE	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  NGES  Max (MW) 865 1079 408 -59 -69	40.0  0.0  0.0  0.0  0.0  1.5  1.5  15.1  Min (MW)  627  920  0  -5	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301  -41  -52	0.0 -209.1 -19.9 -3.2.5 -9.2 -27.9 -3.6 -0.0 -0.5 -74.4  Energy Exchange (MU) -16.8 -22.6 -7.2 -1.0 -1.2 -0.5
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV State	(With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  ER  NER  NER	INTER  2 2 2 2 2 2 1 1 INTER  LINE  400KV MANGDECHI 18-2 1c. ALIPURDUA MANGDECHI HEP 400KV TALA-BINAG RECEIPT (from TAL 20kV CHUKHA-BIR MALBASE - BIRAGR MALBAS	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WGES  Max (MW) 865 1079 408 -59 -69	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627  920  0  -5	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 9.5  Avg (MW) 701 943 301 -41 -52	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU)
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  ER  NER  NER  NER  NER	INTER  2 2 2 2 2 2 1 1 INTER  Line  400kV MANGDECHI 18-2 1e, ALIPURDUA MANGDECHI HEP 400kV TALA-BINAG MECHI HEP 400kV TALA-BINAG RECEIPT (from TAL 200kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132kV-GEVLEGPH 132kV-GEVLEGPH 132kV-TANAKPUR( MAHENDRANAGAR 132KV-TANAKPUR( MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARF DC	0   0   0   1126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  MAX (MW)  865 1079 408 -59 -69 -42 -61	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627  920  0  -5  -28	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW) 701 943 301 -41 -52 -20 -12	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU) -16.8  -22.6  -1.0 -1.2 -0.3 -1.5
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER	- 2 2 2 2 2 2 2 2 2 1 1 1 1 INTER  Line  GORV MANGDECHI 1&2 i.e. ALIPURDUA MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEBIT (from TAL 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR( MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARE	0   0   0   1126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  NGES  Max (MW) 865 1079 408 -59 -69	40.0  0.0  0.0  0.0  0.0  1.5  1.5  15.1  Min (MW)  627  920  0  -5	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301  -41  -52	0.0 -209.1 -19.9 -3.2.5 -9.2 -27.9 -3.6 -0.0 -0.0 -1.5 -74.4 Energy Exchange (MU) 16.8 22.61.0
1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 400 kV 7 220 kV 8 220 kV  State  State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER  ER  ER	INTER  2 2 2 2 2 2 1 1 INTER  Line  400kV MANGDECHI 18-2 1e, ALIPURDUA MANGDECHI HEP 400kV TALA-BINAG MECHI HEP 400kV TALA-BINAG RECEIPT (from TAL 200kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132kV-GEVLEGPH 132kV-GEVLEGPH 132kV-TANAKPUR( MAHENDRANAGAR 132KV-TANAKPUR( MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARF DC	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WR-SR  Max (MW)  865  1079  408  -59  -69  -42  -61  -182	40.0  0.0  0.0  0.0  0.0  1.5  15.1  Min (MW)  627  920  0  -5  -28  0  -1  -8	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301  -41  -52  -20  -12	0.0 -209.1 -19.9 -3.2.5 -9.2 -27.9 -3.6 -0.0 -0.0 -1.5 -74.4
1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 7 220 kV 8 220 kV State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  ER  NER  NER  NER  NER	INTER  2 2 2 2 2 2 1 1 INTER  LINE  400KV MANGDECHI 18-2 1c. ALIPURDUA MANGDECHI HEP - 400KV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 200KV CHUKIA-BIR MALBASE - BIRAGI MALBASE - BIRAGI RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPURG MAHENDRANAGAR 132KV-TANAKPURG MAHENDRANAGAR 132KV-TANAKPURG MAHENDRANAGAR 132KV-TANAKPURG MAHENDRANAGAR 132KV-BIHAR - NEP	0   0   0   1126   0   0   1126   0   0   0   0   0   0   0   0   0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  MAX (MW)  865 1079 408 -59 -69 -42 -61	40.0  0.0  0.0  0.0  0.0  13.6  0.0  15.1  Min (MW)  627  920  0  -5  -28	0.0 249.1 19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW) 701 943 301 -41 -52 -20 -12	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU) -16.8 -7.2 -1.0 -1.2 -0.3 -1.5
1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 400 kV 7 220 kV 8 220 kV  State  State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER  ER  NER  NER  NER	INTER  2 2 2 2 2 2 1 1 1 INTER  Line 400kV MANGDECHH 1&2 i.e. ALIPURDUA MANGDECHH HEP 400kV TALA-BINAG RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BINAGR MALB	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  MAX (MW)  865 1079 408 -59 -69 -42 -61 -182 -927	40.0  0.0  0.0  0.0  0.0  0.0  13.6  0.0  1.5  15.1  Min (MW)  627  920  0  -5  -28  0  -1  -8  -920	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301  -41  -52  -20  -12  -64  -927	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -13.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU) -1.6.8  -1.2 -1.2 -1.2 -1.5 -2.3 -1.9
1 HVDC 2 HVDC 3 765 kV 5 400 kV 5 400 kV 7 220 kV 8 220 kV  State  State	(With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER  ER  ER	- 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0	WR-NR  945 1500 1797 1938 0 0 0 88 WR-SR  WR-SR  Max (MW)  865  1079  408  -59  -69  -42  -61  -182	40.0  0.0  0.0  0.0  0.0  1.5  15.1  Min (MW)  627  920  0  -5  -28  0  -1  -8	0.0 249.1  19.9 32.5 9.2 27.9 0.0 0.0 0.0 0.0 89.5  Avg (MW)  701  943  301  -41  -52  -20  -12	0.0 -209.1 -19.9 -32.5 -9.2 -27.9 -3.6 -0.0 -0.0 -1.5 -74.4  Energy Exchange (MU) -16.8 -22.6 -1.0 -1.2 -0.5 -0.3 -1.5 -0.3