

## National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंट्रोलर ऑफ इंडिया 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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 01st October 2023

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 30.09.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-सितम्बर-2023 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 30<sup>th</sup> September 2023, is available at the NLDC website.

धन्यवाद,

## ग्रिड कंट्रलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 01-Oct-2023 A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at	(5520	57502	44620	22770	2127	102656
20:00 hrs; from RLDCs)	65538	57592	44629	22//0	3127	193656
Peak Shortage (MW)	100	0	0	0	115	215
Energy Met (MU)	1508	1320	1093	519	68	4507
Hydro Gen (MU)	234	75	59	100	25	495
Wind Gen (MU)	14	54	154	-	-	223
Solar Gen (MU)*	127.78	59.22	103.04	5.20	1.08	296
Energy Shortage (MU)	1.79	0.00	0.00	1.80	1.09	4.68
Maximum Demand Met During the Day (MW)	67260	62055	52220	24902	2206	201554
(From NLDC SCADA)	07200	02055	52320	24902	3206	201554
Time Of Maximum Demand Met	14:26	18:48	11:07	00:10	18:54	11:45

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 0.041 0.00 7.39 76.50 1.45 16.11

C. Power Supply Position in States

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day (MW)	maximum Demand (MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU)
	Punjab	12435	0	263.2	136.9	1.2	507	0.00
	Haryana	9946	0	208.9	146.4	-0.7	171	0.00
	Rajasthan	13214	0	291.4	79.1	-2.5	696	0.00
	Delhi	5163	0	111.6	100.3	-1.4	112	0.00
NR	UP	23684	0	493.2	211.9	-0.7	507	0.00
	Uttarakhand	2270	0	47.7	28.9	0.1	100	0.00
	HP	1693	0	34.3	15.3	-0.9	58	0.00
	J&K(UT) & Ladakh(UT)	2352	100	48.4	30.3	4.4	394	1.79
	Chandigarh	266	0	5.4	5.5	-0.1	13	0.00
	Railways_NR ISTS	179	0	3.7	3.5	0.2	37	0.00
	Chhattisgarh	4500	0	102.5	45.2	-0.9	209	0.00
	Gujarat	18991	0	403.3	175.7	0.0	737	0.00
	MP	12203	0	258.6	142.3	-3.9	333	0.00
WR	Maharashtra	22902	0	482.8	184.8	-8.2	500	0.00
	Goa	656	0	13.0	12.6	-0.3	147	0.00
	DNHDDPDCL	1274	0	29.4	29.9	-0.5	70	0.00
	AMNSIL	817	0	17.7	8.5	0.1	309	0.00
	BALCO	520	0	12.4	12.5	-0.1	518	0.00
	Andhra Pradesh	9589	0	208.7	81.3	-3.4	586	0.00
	Telangana	12367	0	230.0	104.7	-2.9	418	0.00
$\mathbf{SR}$	Karnataka	12147	0	225.5	63.2	-0.4	1016	0.00
	Kerala	3668	0	74.2	57.3	0.5	251	0.00
	Tamil Nadu	16130	0	344.0	159.6	-0.3	1007	0.00
	Puducherry	457	0	10.5	9.7	0.0	62	0.00
	Bihar	6706	402	114.4	114.6	-5.6	545	1.80
	DVC	3348	0	73.3	-41.7	-0.3	254	0.00
	Jharkhand	1544	0	30.0	23.8	-2.7	129	0.00
$\mathbf{E}\mathbf{R}$	Odisha	5487	0	119.9	55.1	-2.7	301	0.00
	West Bengal	8287	0	179.6	60.5	-3.4	235	0.00
	Sikkim	81	0	1.3	1.3	0.0	28	0.00
	Railways_ER ISTS	14	0	0.2	0.2	0.0	0	0.00
	Arunachal Pradesh	165	0	3.1	2.5	0.3	64	0.00
	Assam	2114	80	45.6	37.5	2.1	316	0.86
	Manipur	193	0	2.7	2.6	0.1	39	0.00
NER	Meghalaya	319	0	5.7	1.3	-0.1	59	0.23
	Mizoram	117	0	1.8	1.4	-0.4	15	0.00
	Nagaland	165	0	3.0	2.7	-0.1	11	0.00
	Tripura	328	0	6.0	5.9	0.1	62	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	23.3	12.9	-24.8	-29.0
Day Peak (MW)	1056.0	564.0	-1093.0	-1428.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	321.5	-241.6	55.2	-140.2	5.2	0.0
Actual(MU)	327.8	-250.4	62.4	-150.1	9.2	-1.0
O/D/U/D(MU)	6.3	-8.8	7.3	-9.9	4.0	-1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3749	12374	4678	1530	505	22835	47
State Sector	5441	10908	6182	3010	240	25780	53
Total	9189	23281	10860	4540	745	48615	100

G. Sourcewise generation (Gross) (MU)

G. Sourcewise generation (Gross) (MO)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	808	1401	648	629	15	3501	72
Lignite	33	15	36	0	0	84	2
Hydro	234	75	59	100	25	495	10
Nuclear	30	53	71	0	0	155	3
Gas, Naptha & Diesel	15	30	6	0	25	75	2
RES (Wind, Solar, Biomass & Others)	148	117	285	7	1	558	11
Total	1268	1692	1106	737	66	4868	100
Share of RES in total generation (%)	11.70	6.91	25.78	0.93	1.63	11.47	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.53	14.52	37.58	14.57	40.16	24.80	

H.	All	India	De	mand	Diver	sity ]	Factor
7	-	_	•		1		•

H. All India Demand Diversity Factor						
Based on Regional Max Demands	1.040					
Based on State Max Demands	1.073					

I. All India Peak	Demand	and	shortage	at Solar	and I	Non-Solar Hour
		7	- 117			

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	201554	11:45	134
Non-Solar hr	199408	19:00	206

 $Diversity\ factor = Sum\ of\ regional\ or\ state\ maximum\ demands\ /\ All\ India\ maximum\ demand$ 

<sup>\*\*</sup>Note: All generation MU figures are gross
\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

 $<sup>*</sup>Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$ 

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 01-Oct-2023

							Date of Reporting:	01-Oct-2023
Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (V	With NR)					1	
1 2	HVDC HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	1303 144	0.0	30.6 2.6	-30.6 -2.6
3	765 kV	GAYA-VARANASI	2	555	748	0.0	4.8	-2.6 -4.8
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	123 0	530 731	0.0	4.3 11.4	-4.3 -11.4
6	400 kV	PUSAULI-VARANASI	1	32	147	0.0	1.4	-1.4
7	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	31	99 644	0.0	1.0 9.1	-1.0 -9.1
9	400 kV	PATNA-BALIA	2	48	422	0.0	6.1	-6.1
10 11	400 kV 400 kV	NAUBATPUR-BALIA BIHARSHARIFF-BALIA	2 2	99 149	442 244	0.0	5.7 2.2	-5.7 -2.2
12	400 kV	MOTIHARI-GORAKHPUR	2	47	363	0.0	4.9	-4.9
13 14	400 kV 220 kV	BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	1	224	268 112	0.0	2.0	-2.0 -1.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16 17	132 kV 132 kV	GARWAH-RIHAND KARMANASA-SAHUPURI	1	30	0	0.5 0.0	0.0	0.5 0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0 ED ND	0.0	0.0	0.0
Impo	rt/Export of ER (V	With WR)			ER-NR	0.5	87.6	-87.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	380	1063	0.0	11.7	-11.7
3	765 kV 765 kV	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2 2	1270 0	351 432	11.0 0.0	0.0 5.5	11.0 -5.5
4	400 kV	JHARSUGUDA-RAIGARH	4	343	196	0.7	0.0	0.7
6	400 kV 220 kV	RANCHI-SIPAT BUDHIPADAR-RAIGARH	1	293	152 136	2.8	0.0 1.4	2.8 -1.4
7		BUDHIPADAR-KORBA	2	116	6	1.2	0.0	1.2
Impo	rt/Export of ER (V	With SR)			ER-WR	15.7	18.5	-2.8
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	444	0.0	7.6	-7.6
3	HVDC 765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2 2	0	1987 2399	0.0	43.8 33.9	-43.8 -33.9
4	400 kV	TALCHER-I/C	2	353	952	0.0	0.9	-0.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0 ER-SR	0.0	0.0 85.2	0.0 -85.2
Impo	rt/Export of ER (V	With NER)			ER-SK	U.U	05.4	-03.4
1	400 kV	BINAGURI-BONGAIGAON	2	0	580	0.0	10.5	-10.5
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	0	513 123	0.0	6.7	-6.7 -1.9
					ER-NER	0.0	19.1	-19.1
Impo	rt/Export of NER HVDC	(With NR) BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.0	-12.0
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503 NER-NR	0.0	12.0	-12.0 -12.0
_	rt/Export of WR (						•	
2	HVDC HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0 438	5535 0	0.0 7.0	71.6 0.0	-71.6 7.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	787	0.0	19.4	-19.4
5	765 kV 765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2 2	0 364	2198 1600	0.0 0.8	25.9 19.7	-25.9 -18.9
6	765 kV	JABALPUR-ORAI	2	0	1143	0.0	16.7	-16.7
8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	596	0 1107	5.0	0.0 21.6	5.0 -21.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1281	655	0.0	30.4	-30.4
10 11	765 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	2	0	3517	0.0	27.6	-27.6
1.1	400 kV	ZERDA-KANKKULI	1	242	128	1.9	0.4	1.5
12	400 kV	ZERDA -BHINMAL	1	564	246	10.9	0.0	1.5 10.9
12 13 14	400 kV 400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2		246 0 497	10.9 10.9 0.0	0.0 0.0 32.2	1.5 10.9 10.9 -32.2
12 13 14 15	400 kV 400 kV 400 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 1 2 1	564 962 337 0	246 0 497 92	10.9 10.9 0.0 0.0	0.0 0.0 32.2 1.7	1.5 10.9 10.9 -32.2 -1.7
12 13 14 15 16 17	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1	564 962 337 0 0	246 0 497 92 30 0	10.9 10.9 0.0 0.0 0.0 1.5	0.0 0.0 32.2 1.7 2.4 0.0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5
12 13 14 15 16 17 18	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 2 1 1 1 1	564 962 337 0 0 114 81	246 0 497 92 30 0	10.9 10.9 0.0 0.0 0.0 1.5 0.9	0.0 0.0 32.2 1.7 2.4 0.0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5
12 13 14 15 16 17	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 2 1 1 1	564 962 337 0 0	246 0 497 92 30 0 2	10.9 10.9 0.0 0.0 0.0 1.5 0.9 0.0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0
12 13 14 15 16 17 18 19 20	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AUKAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 2 1 1 1 1 1	564 962 337 0 0 114 81	246 0 497 92 30 0	10.9 10.9 0.0 0.0 0.0 1.5 0.9	0.0 0.0 32.2 1.7 2.4 0.0 0.0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9
12 13 14 15 16 17 18 19 20	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 2 1 1 1 1 1	564 962 337 0 0 114 81	246 0 497 92 30 0 2 0 WR-NR	10.9 10.9 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8
12 13 14 15 16 17 18 19 20 Import	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AUKAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 1 2 1 1 1 1 1 1 2	564 962 337 0 0 114 81 0 0	246 0 497 92 30 0 2 0 WR-NR 328 1501	10.9 10.9 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 269.5	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8
12 13 14 15 16 17 18 19 20	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B	1 1 2 1 1 1 1 1 1 2	564 962 337 0 0 114 81 0 0	246 0 497 92 30 0 2 0 WR-NR	10.9 10.9 0.0 0.0 0.0 1.5 0.9 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 269.5	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 KV 155 kV 165 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 2 1 1 1 1 1 1 2	564 962 337 0 0 114 81 0 0 0 1375 0 1607	246 0 497 92 30 0 2 0 WR-NR 328 1501 1817 2542	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 269.5	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8
12 13 14 15 16 17 18 19 20 Import 1 2 3 4	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 kV 155 kV 765 kV 400 kV 220 kV	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	1 1 2 2 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 2	564 962 337 0 0 114 81 0 0 0 1375 0	246 0 497 92 30 0 2 0 0 WR-NR 328 1501 1817 2542	10.9 10.9 0.0 0.0 0.0 1.5 0.9 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 269.5 7.2 32.6 3.7 18.6	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 kV 155 kV 765 kV 400 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SRIMMAN SINGER SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRIMMAN SINGER SAWAI MADHOPUR RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 2 1 1 1 1 1 1 2 2	564 962 337 0 0 114 81 0 0 0 1375 0 1607	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 269.5	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 0.0 2.2
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 17/Export of WR ( HVDC HVDC TOS kV 765 kV 400 kV 220 kV	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 XELDEM-AMBEWADI	1 1 2 1 1 1 1 1 1 2 2	564 962 337 0 0 114 81 0 0 1375 0 1607 0 0 0	246 0 497 92 30 0 2 0 WR-NR 328 1501 1817 2542 0 0 0	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 0.0 2.2 -21.9
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 150 KV 165 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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 IN	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	564 962 337 0 0 114 81 0 0 1375 0 1607 0 0 0 CHANGES	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 18.6 18.6 18.6 18.6 18.6 18.6 18.6 18.6	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  (+ve)/Export(-ve)
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 17/Export of WR ( HVDC HVDC TOS kV 765 kV 400 kV 220 kV	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 XELDEM-AMBEWADI	1 1 2 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 1114 81 0 0 1375 0 1607 0 0 0 CHANGES	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 38.8	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 0.0 2.2 -21.9
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 150 KV 165 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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  IN Region	1 1 2 1 1 1 1 1 1 1 1 1 1 2	564 962 3337 0 0 114 81 0 0 154 0 0 1607 0 0 0 1607 0 0 0 0 CHANGES	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 4.0 Variable of the second of th	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 0.0 2.2 -21.9
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 150 KV 165 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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 IN	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 114 81 0 0 1375 0 1607 0 0 1AMGES Name  ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 18.6 18.6 18.6 18.6 18.6 18.6 18.6 18.6	1.5 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 150 KV 165 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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  IN Region  ER	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 3337 0 0 114 81 0 0 114 81 0 0 1607 0 1607 0 0 0 CHANGES Name  ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 4.0 Variable of the second of th	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 150 KV 165 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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  IN Region	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 114 81 0 0 1375 0 1607 0 0 1607 0 0 17,2,4 (& 400kV I) 1,e, BINAGURI EP 6°170MW)	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 4.0 Variable of the second of th	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 0.0 2.2 -21.9
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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  IN Region  ER	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 1114 81 0 0 0 1375 0 1607 0 0 1375 0 0 0 0 1407 0 0 0 0 1524 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 4.0 0.0 0.0 0.0 0.0 0.0	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9 +ve)/Export(-ve) Energy Exchange (MU) 6.44
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 150 KV 165 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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  IN Region  ER	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 3337 0 0 114 81 0 114 81 0 0 154 0 0 1607 0 0 1607 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6°170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 4.0 Variable of the second of th	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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 XELDEM-AMBEWADI IN Region  ER  ER	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 114 81 0 0 114 81 0 0 1375 0 1607 0 0 0 1375 0 1607 0 1607 1607 0 1607 0 1607 0 0 1807 0 1808 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW)	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 62.1  Import( Avg (MW)  268	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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  IN Region  ER	1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 1375 0 1607 0 0 0 1375 0 1607 0 1607 1607 0 1607 0 1607 0 0 1807 0 1808 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW)	246 0 497 92 30 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 4.0 0.0 0.0 0.0 0.0 0.0	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9 +ve)/Export(-ve) Energy Exchange (MU) 6.44
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	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 XELDEM-AMBEWADI IN Region  ER  ER  ER	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 114 81 0 0 114 81 0 0 1375 0 1607 0 0 0 1375 0 1607 0 1607 17,2,4 (& 400kV I) 1,e, BINAGURI EP 6*170MW) RA 1&2 (& 220kV Le, BIRPARA RECEIPT 84MW) KATI	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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 XELDEM-AMBEWADI IN Region  ER  ER	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	564 962 337 0 0 0 114 81 0 0 114 81 0 0 1375 0 1607 0 0 0 1375 0 1607 0 1607 17,2,4 (& 400kV I) 1,e, BINAGURI EP 6*170MW) RA 1&2 (& 220kV Le, BIRPARA RECEIPT 84MW) KATI	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR	10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 62.1  Import( Avg (MW)  268	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 1114 81 0 0 114 81 0 0 1375 0 1607 0 0 0 1375 0 1607 0 0 112,4 (2 400kV 1) 1i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	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 XELDEM-AMBEWADI IN Region  ER  ER  ER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 1375 0 1607 0 0 0 1375 0 1607 0 1607 17,2,4 (& 400kV I) 1,e, BINAGURI EP 6*170MW) RA 1&2 (& 220kV Le, BIRPARA RECEIPT 84MW) KATI	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 1114 81 0 0 114 81 0 0 10 1375 0 1607 0 0 0 1375 0 1607 0 11,2,4 (& 400 kV 11,2,4 (kV 11,2,4 (	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3 0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 135 kV 140 C 155 kV 165 kV 1765 kV	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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 1114 81 0 0 114 81 0 0 10 1375 0 1607 0 0 0 1375 0 1607 0 11,2,4 (& 400 kV 11,2,4 (kV 11,2,4 (	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 0 1375 0 1607 0 0 0 1375 0 1607 0 0 1109 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA GAR-TANAKPUR(NHPC)	246 0 497 92 30 0 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 0 1375 0 1607 0 0 0 1375 0 1607 0 0 1109 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA GAR-TANAKPUR(NHPC)	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3 0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER  NER  NER  ER	1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 0 1375 0 1607 0 0 0 1375 0 0 1607 0 11007 0 11007 0 11007 0 11007 0 11	246 0 497 92 30 0 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26  0	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35  1.03  0.62
12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER  NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 0 1375 0 1607 0 0 0 1375 0 0 1607 0 11007 0 11007 0 11007 0 11007 0 11	246 0 497 92 30 0 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35
12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5 5 6 7 8	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WHIN SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN  Region  ER  ER  NER  ER  ER  ER  ER	1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 10 1375 0 1607 0 0 0 1375 0 1607 0 0 118 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU II,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	246 0 497 92 30 0 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0  0  0  448	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26  0	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35  1.03  0.62  -21.46
12 13 14 15 16 17 18 19 20 1 2 3 4 5 5 6 7 8	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR 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-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER  ER  ER	1	564 962 337 0 0 0 114 81 0 0 114 81 0 0 10 1375 0 1607 0 0 0 1375 0 1607 0 0 118 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 1607 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU II,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	246 0 497 92 30 0 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26  0  511	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35  1.03  0.62
12 13 14 15 16 17 18 19 20 1 2 3 4 5 5 6 7 8	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI  IN  Region  ER  ER  NER  NER  NER  ER  ER  ER  ER	1	564 962 337 0 0 0 1114 81 0 0 10 114 81 0 0 10 1375 0 1607 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	246 0 497 92 30 0 2 0 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64 0 628 -928	10.9 10.9 10.9 0.0 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0  0  0  448  -785	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26  0  511	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35  1.03  0.62  -28.97
12 13 14 15 16 17 18 19 20 1 12 2 3 4 5 5 6 7 8	400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WHIN SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN  Region  ER  ER  NER  ER  ER  ER  ER	1	564 962 337 0 0 0 1114 81 0 0 10 114 81 0 0 10 1375 0 1607 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	246 0 497 92 30 0 0 2 0 WR-NR  328 1501 1817 2542 0 0 0 118 WR-SR  Max (MW)  282 689 55 19 61 -64	10.9 10.9 10.9 0.0 0.0 0.0 0.0 1.5 0.9 0.0 0.0 38.8  0.0 0.0 12.5 0.0 25.5 0.0 0.0 2.2 40.2  Min (MW)  234  604  -3  0  0  0  448	0.0 0.0 32.2 1.7 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 269.5  7.2 32.6 3.7 18.6 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0 0.0 62.1  Import( Avg (MW)  268  615  28  15  43  26  0  511 -894 -1207	1.5 10.9 10.9 10.9 -32.2 -1.7 -2.4 1.5 0.9 0.0 0.0 -230.8  -7.2 -32.6 8.8 -18.6 25.5 0.0 0.0 2.2 -21.9  +ve)/Export(-ve) Energy Exchange (MU) 6.44  14.77  0.68  0.35  1.03  0.62  -21.46

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 01-Oct-2023

ort From India (in MU)

Export From In	idia (in MU)										
			STOA								
	(ISGS/LTA/MTOA)		COLLECTIVE								
Country	PPA	BILATERAL		IDAM			RTM				
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX			
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Nepal	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11		
Bangladesh	21.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.49		
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total Export	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.60		

Import by India(in MU)

		STOA							
	(ISGS/LTA/MTOA) PPA	COLLECTIVE							
Country		BILATERAL	IDAM			RTM			TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	22.11	1.72	0.00	0.00	0.00	0.00	0.00	0.00	23.83
Nepal	0.00	2.63	9.92	0.00	0.00	0.00	0.00	0.00	12.55
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	22.11	4.35	9.92	0.00	0.00	0.00	0.00	0.00	36.38

Net from India(in MI) -ve : Export / +ve : Import

Net from India(in MU) -ve : Export / +ve : Import									rt	
		STOA								
	(ISGS/LTA/MTOA)	BILATERAL	COLLECTIVE							
Country	PPA		IDAM			RTM			TOTAL	
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	22.11	1.72	0.00	0.00	0.00	0.00	0.00	0.00	23.83	
Nepal	-0.11	2.63	9.92	0.00	0.00	0.00	0.00	0.00	12.44	
Bangladesh	-21.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.49	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Net	0.51	4.35	9.92	0.00	0.00	0.00	0.00	0.00	14.78	