

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंटोलर 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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 25th July 2023

Τo,

- 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 24.07.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-जुलाई-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 24rd July 2023, is available at the NLDC website.

धन्यवाद.

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



Date of Reporting: 25-Jul-2023

205996

14:54

3385

18:52

Report for previous day

(From NLDC SCADA) Time Of Maximum Demand Met

A. Power Supply Position at All India and Regional level

NR WR ER NER TOTAL SR Demand Met during Evening Peak hrs(MW) (at 74793 55077 42620 27674 3309 203473 20:00 hrs; from RLDCs) Peak Shortage (MW) 752 587 1402 0 0 63 Energy Met (MU) 1702 1266 987 63 4647 629 Hydro Gen (MU) 406 69 94 137 31 736 Wind Gen (MU) 129 401 9 263 Solar Gen (MU)* 111.11 43.84 66.47 2.55 0.91 225 Energy Shortage (MU) 5.28 10.83 5.05 0.00 0.00 0.50 Maximum Demand Met During the Day (MW)

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	0.031	0.00	0.38	2.63	3.01	79.25	17.74

57312

19:49

47918

09:24

29428

23:41

76426

14:53

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	13626	0	293.6	167.2	0.0	267	0.00
	Haryana	12075	0	253.9	193.3	-0.4	180	0.00
	Rajasthan	13358	0	286.6	113.3	-0.7	239	1.04
	Delhi	7101	0	146.4	133.5	-1.6	181	0.00
NR	UP	27822	0	577.5	287.4	0.4	251	2.24
	Uttarakhand	2232	0	47.9	24.7	0.3	167	0.64
	HP	1617	0	33.6	-1.4	1.2	141	0.00
	J&K(UT) & Ladakh(UT)	2493	180	52.5	24.4	1.9	272	1.13
	Chandigarh	363	0	7.1	7.4	-0.3	35	0.00
	Railways_NR ISTS	180	0	3.4	3.5	-0.1	35	0.00
	Chhattisgarh	4803	0	105.4	52.8	-0.6	211	0.00
	Gujarat	15830	0	352.6	157.2	-3.5	814	0.00
	MP	11684	0	256.2	140.2	-1.9	337	0.00
WR	Maharashtra	22002	0	478.5	164.6	-3.4	592	0.00
	Goa	566	0	11.7	11.9	-0.6	52	0.00
	DNHDDPDCL	1276	0	29.4	29.4	0.0	37	0.00
	AMNSIL	924	0	20.2	10.7	-0.2	269	0.00
	BALCO	518	0	12.4	12.5	-0.1	29	0.00
	Andhra Pradesh	9013	0	190.0	35.6	3.3	870	0.00
	Telangana	10227	0	200.7	86.6	0.9	595	0.00
SR	Karnataka	9291	0	177.9	8.2	-0.8	1196	0.00
	Kerala	3353	0	70.7	49.1	0.8	281	0.00
	Tamil Nadu	16108	0	337.9	131.8	-5.1	594	0.00
	Puducherry	407	0	9.4	9.1	-0.5	18	0.00
	Bihar	7115	599	154.1	146.5	-0.7	297	3.88
	DVC	3491	0	76.8	-40.8	-0.5	286	0.00
	Jharkhand	1738	138	37.5	33.9	0.0	228	1.40
$\mathbf{E}\mathbf{R}$	Odisha	6688	0	135.5	44.8	-1.0	347	0.00
	West Bengal	10328	0	223.6	105.0	-1.2	351	0.00
	Sikkim	91	0	1.3	1.2	0.0	37	0.00
	Railways_ER ISTS	13	0	0.1	0.1	0.1	6	0.00
_	Arunachal Pradesh	148	0	2.7	2.4	-0.1	43	0.00
	Assam	2195	0	41.1	33.8	-0.3	136	0.00
	Manipur	198	0	2.6	2.6	0.0	24	0.00
NER	Meghalaya	344	0	5.4	0.2	-0.1	51	0.50
	Mizoram	119	0	1.7	1.6	-0.2	11	0.00
	Nagaland	162	0	2.9	2.6	0.1	5	0.00
	Tripura	345	0	6.4	6.0	0.5	51	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	41.2	5.4	-25.3	-17.9
Day Peak (MW)	1964.0	281.0	-1092.0	-784.6

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

E. Import Export by Regions (in 1976) - Import (196)	Export(-vc), OD()/ CD(-)				
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	381.3	-266.1	-22.6	-87.8	-4.7	0.0
Actual(MU)	378.9	-267.6	-35.9	-82.3	-3.5	-10.4
O/D/IJ/D(MI)	2.2	-1.4	13.4	5.5	1.2	-10.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3076	10746	6088	2360	326	22596	40
State Sector	6110	15701	9123	2640	175	33748	60
Total	9186	26446	15211	5000	501	56344	100

G. Sourcewise generation (Gross) (MU)

G. Bourcewise generation (Gross) (MC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	793	1330	514	634	13	3284	66
Lignite	25	9	53	0	0	88	2
Hydro	406	69	94	137	31	736	15
Nuclear	29	49	61	0	0	139	3
Gas, Naptha & Diesel	33	16	7	0	29	85	2
RES (Wind, Solar, Biomass & Others)	127	174	359	4	1	665	13
Total	1414	1647	1088	775	73	4997	100
Share of RES in total generation (%)	9.01	10.56	33.02	0.47	1.24	13.31]
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.79	17.67	47.24	18.19	43.27	30.83	

H.	All	India	Demand	Diversity	Factor
D.		D	134	D	.1

11. All filula Demand Diversity Factor	
Based on Regional Max Demands	1.041
Based on State Max Demands	1.067

I. All India Peak	Demand a	nd shortag	ge at Solar a	and N	Non-Solar Hour
	,		(3 FTTT)		

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	205996	14:54	331
Non-Solar hr	205079	19:59	803

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

^{**}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

^{*}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: 25-Jul-2023

Sl No Import			T	1			Date of Reporting:	25-Jul-2023
Import	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	t/Export of ER (L With NR)						
1	HVDC	ALIPURDUAR-AGRA	2	0	500	0.0	13.4	-13.4
2	HVDC	PUSAULI B/B		0	108	0.0	2.7	-2.7
3	765 kV	GAYA-VARANASI	2	180	846	0.0	6.4	-6.4
4	765 kV	SASARAM-FATEHPUR	1	74	314	0.0	3.7	-3.7
5		GAYA-BALIA	1	0	709	0.0	7.3 1.4	-7.3
7		PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	113 89	0.0	1.4	-1.4 -1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	809	0.0	14.0	-14.0
9		PATNA-BALIA	2	0	498	0.0	8.9	-8.9
10	400 kV	NAUBATPUR-BALIA	2	0	508	0.0	8.4	-8.4
11	400 kV	BIHARSHARIFF-BALIA	2	61	258	0.0	3.7	-3.7
12	400 kV	MOTIHARI-GORAKHPUR	2	0	589	0.0	10.7	-10.7
13	400 kV 220 kV	BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	2	125 11	265	0.0	2.4 1.5	-2.4
14 15	132 kV	NAGAR UNTARI-RIHAND	1	0	125 0	0.0	0.0	-1.5 0.0
16	132 kV	GARWAH-RIHAND	i	30	0	0.8	0.0	0.8
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
			•		ER-NR	0.8	85.9	-85.1
Import	t/Export of ER (\	With WR)						
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	910	549	5.3	0.0	5.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1462	322	22.7	0.0	22.7
3	765 kV 400 kV	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	2 4	27 75	283 315	0.0	1.9 2.3	-1.9 -2.3
5	400 kV	RANCHI-SIPAT	2	324	139	6.1	0.0	6.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	134	0.0	2.7	-2.7
7		BUDHIPADAR-KORBA	2	90	0	0.7	0.0	0.7
		,			ER-WR	34.8	6.9	27.9
Import	t/Export of ER (With SR)			•			
1	HVDC	JEYPORE-GAZUWAKA B/B	2	391	0	9.7	0.0	9.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1635	0.0	28.6	-28.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2633	0.0	32.8	-32.8
4	400 kV	TALCHER-I/C	2	781	301	5.2	0.0	5.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0 ED CD	0.0	0.0	0.0
T	//E	WAL MED			ER-SR	9.7	61.5	-51.7
import	t/Export of ER (\)			45	404	0.0	2.2	2.2
1	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	37 72	281 359	0.0	3.2 3.8	-3.2 -3.8
3	400 KV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	0	93	0.0	1.3	-3.8 -1.3
3	22U R Y	UNDURAGALARATI	<u> </u>	U	ER-NER	0.0	8.2	-8.2
Import	t/Export of NER	(With NR)			EK-MEK	V.U	0.2	-0.4
1		BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.8	-12.8
1	HVDC	DISWANATH CHARIALI-AGRA	2	V	NER-NR	0.0	12.8	-12.8
Immont	t/Export of WR (With ND			HER-IN	0.0	12.0	-12.0
1mport	HVDC	CHAMPA-KURUKSHETRA	2	0	5046	0.0	96.0	-96.0
2	HVDC	VINDHYACHAL B/B	-	0	486	0.0	12.0	-12.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	974	0.0	4.7	-4.7
4	765 kV	GWALIOR-AGRA	2	0	2568	0.0	42.1	-42.1
5	765 kV	GWALIOR-PHAGI	2	0	1729	0.0	28.9	-28.9
6	765 kV	JABALPUR-ORAI	2	0	1184	0.0	36.2	-36.2
7		GWALIOR-ORAI	1	844	0	15.0	0.0	15.0
8	765 kV	SATNA-ORAI	1	0	1131	0.0	22.1	-22.1
9 10	765 kV 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI	2 2	654	1360 3371	2.3	13.0 60.1	-10.7 -60.1
11	400 kV	ZERDA-KANKROLI	1	125	215	0.4	2.3	-00.1
12	400 kV	ZERDA -BHINMAL	1	348	322	1.4	2.9	-1.5
13	400 kV	VINDHYACHAL -RIHAND	1	956	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	99	756	0.1	8.9	-8.8
15		BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2
17	220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1	0	0	0.0	0.0	0.0
18					•	0.0	ΛΛ	
	220 kV		1 1	0	0	0.0	0.0	0.0
19	132 kV	GWALIOR-SAWAI MADHOPUR	1 2	0	0	0.0	0.0 0.0 0.0	0.0
			1 2		0	0.0	0.0 0.0	0.0 0.0
19 20	132 kV 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	-	0	0	0.0	0.0	0.0
19 20	132 kV 132 kV t/Export of WR (GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	-	0	0 0 WR-NR	0.0 0.0 41.0	0.0 0.0	0.0 0.0 -290.3
19 20	132 kV 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	2	0	0	0.0	0.0 0.0 331.3	0.0 0.0
19 20 Import	132 kV 132 kV t/Export of WR (HVDC HVDC 765 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2 2 2 2	993 0 2463	0 0 WR-NR 0 1504 948	0.0 0.0 41.0 24.0 0.0 25.1	0.0 0.0 331.3 0.0 15.7 0.9	0.0 0.0 -290,3 24.0 -15.7 24.2
19 20 Import 1 2 3 4	132 kV 132 kV t/Export of WR (HVDC 765 kV 765 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2 2 2 2 2	993 0 2463 861	0 0 WR-NR 0 1504 948 2400	0.0 0.0 41.0 24.0 0.0 25.1 2.7	0.0 0.0 331.3 0.0 15.7 0.9 16.9	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3
19 20 Import 1 2 3 4 5	132 kV 132 kV t/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2 2 2	993 0 2463 861 1650	0 0 WR-NR 0 1504 948 2400 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3
19 20 Import 1 2 3 4 5 6	132 kV 132 kV t/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2 2	993 0 2463 861 1650	0 0 WR-NR 0 1504 948 2400 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 1/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2	993 0 2463 861 1650 0	0 0 WR-NR 0 1504 948 2400 0 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0
19 20 Import 1 2 3 4 5 6	132 kV 132 kV t/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2 2	993 0 2463 861 1650	0 0 WR-NR 0 1504 948 2400 0 0 0 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 1/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 2 1 1	993 0 2463 861 1650 0 0	0 0 WR-NR 0 1504 948 2400 0 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 1/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2	993 0 2463 861 1650 0 0	0 0 WR-NR 0 1504 948 2400 0 0 0 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve)
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 1/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR 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 1 TERNATIONAL EXC	993 0 2463 861 1650 0 0	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	993 0 2463 861 1650 0 0	0 0 WR-NR 0 1504 948 2400 0 0 0 0	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 0.0	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve)
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	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	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	993 0 2463 861 1650 0 0 0 CHANGES	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU)
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR 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 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT	993 0 2463 861 1650 0 0 0 CHANGES	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	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	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU)
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	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	2 2 2 2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW)	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU)
19 20 Import 1 2 3 4 5 6 7	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV I) i.e. BINAGURI EP 6*170MW)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR Max (MW)	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW)	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43
19 20 Import 1 2 3 4 5 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA)	0 0 993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU [1,2,4 (& 400kV)] i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW)	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW)	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43
19 20 Import 1 2 3 4 5 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA) i	993 0 2463 861 1650 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR Max (MW)	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW)	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43
19 20 Import 1 2 3 4 5 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA)	993 0 2463 861 1650 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW)	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW)	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43
19 20 Import 1 2 3 4 5 6 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI MALBASE - B	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV)] i.e. BINAGURI [EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 34MW)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR Max (MW) 598	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53
19 20 Import 1 2 3 4 5 6 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA) i	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV)] i.e. BINAGURI [EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 34MW)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW)	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW)	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW)	0.0 0.0 -290,3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI MALBASE - B	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV)] i.e. BINAGURI [EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 34MW)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR Max (MW) 598	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53
19 20 Import 1 2 3 4 5 6 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI MALBASE - B	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV t) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV (e.e. BIRPARA RECEIPT 34MW) KATI	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR Max (MW) 598	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV t) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV (e.e. BIRPARA RECEIPT 34MW) KATI	0 0 WR-NR 0 1504 948 2400 0 0 0 0 90 WR-SR Max (MW) 598	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV t) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV (e.e. BIRPARA RECEIPT 34MW) KATI	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV t) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV (e.e. BIRPARA RECEIPT 34MW) KATI	0 0 WR-NR 0 1504 948 2400 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62
19 20 Import 1 2 3 4 5 6 6 7 8 Import 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV I) RA 1&2 (& 220kV I) RA 1&3 (& 220kV I) RA 1&3 (& 320kV I) RA 1&4 (& 320kV I) RA 1&5 (& 320kV I) RA 1&5 (& 320kV I) RA 1&6 (& 320kV I) RA 1&7 (& 320kV I) RA 1&8 (& 320kV I) RA	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR 1046 192 27	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU (1,2,4 (& 400kV) 1) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 34MW) KATI GIA	0 0 WR-NR 0 1504 948 2400 0 0 0 0 90 WR-SR Max (MW) 598 1046 192 27 51	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU (1,2,4 (& 400kV) 1) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 34MW) KATI GIA	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR 1046 192 27	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU (1,2,4 (& 400kV) 1) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 34MW) KATI GIA	0 0 WR-NR 0 1504 948 2400 0 0 0 0 90 WR-SR Max (MW) 598 1046 192 27 51	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW) 598 1046 192 27 51 -70	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	0 0 WR-NR 0 1504 948 2400 0 0 0 0 90 WR-SR Max (MW) 598 1046 192 27 51	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151	0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER NER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW) 598 1046 192 27 51 -70 0 351	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW) 598 1046 192 27 51 -70	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03
19 20 Import 1 2 3 4 5 5 6 7 8 1	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	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 NER NER NER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW) 598 1046 192 27 51 -70 0 351	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43
19 20 Import 1 2 3 4 5 5 6 7 8 8	132 kV 132 kV 132 kV #VExport of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN State	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 NER NER NER ER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 11,2,4 (& 400kV 10 i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046 192 27 51 -70 0 351	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0 0 224	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43 0 268	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43 -21.87
19	132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 11,2,4 (& 400kV 10 i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR Max (MW) 598 1046 192 27 51 -70 0 351	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43
19	132 kV 132 kV 132 kV #VExport of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER ER ER ER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	993 0 2463 861 1650 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 11,2,4 (& 400kV 10 i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046 192 27 51 -70 0 351	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0 0 224	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43 0 268	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43
19	132 kV 132 kV 132 kV #VExport of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER ER ER ER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	993 0 2463 861 1650 0 0 0 CHANGES Name 0 ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 11,2,4 (& 400kV 10 i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046 192 27 51 -70 0 351	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0 0 224	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43 0 268	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43 -21.87
19 20 Import 1 2 3 4 5 5 6 7 8 8	132 kV 132 kV 132 kV #VExport of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER ER ER ER ER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD	993 0 2463 861 1650 0 0 0 CHANGES Name 0 ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 11,2,4 (& 400kV 10 i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046 192 27 51 -70 0 351 -932	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0 0 224 -818	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43 0 268 -911	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43 -21.87
19 20 Import 1 2 3 4 5 5 6 7 8	132 kV 132 kV 132 kV #VExport of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER ER ER ER ER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD	993 0 2463 861 1650 0 0 0 CHANGES Name 0 ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 11,2,4 (& 400kV 10 i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW) KATI GIA GAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 0 WR-NR 0 1504 948 2400 0 0 0 0 0 WR-SR WR-SR Max (MW) 598 1046 192 27 51 -70 0 351 -932	0.0 0.0 41.0 24.0 0.0 25.1 2.7 31.3 0.0 0.0 1.6 84.6 Min (MW) 390 976 108 13 34 0 0 224 -818	0.0 0.0 331.3 0.0 15.7 0.9 16.9 0.0 0.0 0.0 33.5 Import(Avg (MW) 518 980 151 19 49 -43 0 268 -911	0.0 0.0 0.0 -290.3 24.0 -15.7 24.2 -14.3 31.3 0.0 0.0 1.6 51.1 +ve)/Export(-ve) Energy Exchange (MU) 12.43 23.53 3.62 0.45 1.17 -1.03 0.00 6.43 -21.87