

## 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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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दिनांक: **6**<sup>th</sup> June 2023

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
- 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 05.06.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-जून-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  $5^{TH}$  June 2023, is available at the NLDC website.

धन्यवाद.

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



## Report for previous day

A. Power Supply Position at All India and Regional level

Date of Reporting: 06-Jun-2023

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	61147	61419	48358	26969	3393	201286
Peak Shortage (MW)	160	0	0	136	76	372
Energy Met (MU)	1352	1423	1167	616	65	4622
Hydro Gen (MU)	225	39	61	63	8	397
Wind Gen (MU)	11	140	172	-	-	324
Solar Gen (MU)*	129.86	66.73	128.05	2.91	1.26	329
Energy Shortage (MU)	2.39	0.51	0.00	1.60	2.17	6.67
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62895	67041	56144	28776	3488	213982
Time Of Maximum Demand Met	22:53	15:20	14:58	23:23	19:27	15:20

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 0.047 0.00 3.63 35.31 0.03 3.60 61.06

**C.** Power Supply Position in States

Tower Supply I		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	8210	0	178.9	72.6	0.4	242	0.00
	Haryana	9033	0	177.6	127.6	-1.2	243	0.00
	Rajasthan	12207	0	253.2	56.5	-2.5	253	0.00
	Delhi	5493	0	110.0	105.4	-1.7	65	0.00
NR	UP	24182	0	494.5	226.0	-1.8	272	0.22
	Uttarakhand	2182	0	47.4	26.9	-0.3	170	0.12
	HP	1460	0	29.1	4.2	0.7	167	0.00
	J&K(UT) & Ladakh(UT)	2308	190	51.7	27.5	1.1	265	2.05
	Chandigarh	276	0	5.5	5.5	0.0	53	0.00
	Railways_NR ISTS	190	0	4.0	3.2	0.8	47	0.00
	Chhattisgarh	4578	0	104.6	50.9	1.6	374	0.00
	Gujarat	21018	0	430.8	200.6	-0.9	1108	0.00
	MP	11481	0	251.7	136.9	-2.4	491	0.00
WR	Maharashtra	26446	0	559.5	215.3	0.2	1019	0.51
	Goa	764	0	16.0	15.5	0.1	116	0.00
	DNHDDPDCL	1262	0	28.9	29.1	-0.2	30	0.00
	AMNSIL	850	0	18.8	9.8	0.2	282	0.00
	BALCO	517	0	12.4	12.5	-0.1	1	0.00
	Andhra Pradesh	11709	0	235.0	63.9	-1.1	818	0.00
	Telangana	9833	0	193.3	82.1	0.7	578	0.00
SR	Karnataka	12994	0	257.9	75.6	0.1	762	0.00
	Kerala	4413	0	92.1	66.2	0.8	389	0.00
	Tamil Nadu	18084	0	378.2	166.6	-5.2	294	0.00
	Puducherry	468	0	10.0	10.0	-0.6	37	0.00
	Bihar	6839	0	144.2	135.6	-1.1	197	0.27
	DVC	3503	0	75.7	-48.0	1.2	255	0.00
	Jharkhand	1779	0	36.6	34.1	-2.2	308	1.33
ER	Odisha	6543	0	124.5	51.5	-1.9	447	0.00
	West Bengal	11431	0	232.4	125.5	-3.2	203	0.00
	Sikkim	98	0	2.0	1.3	0.7	36	0.00
	Railways_ER ISTS	13	0	0.2	0.3	0.0	0	0.00
	Arunachal Pradesh	172	0	2.9	2.4	0.5	73	0.00
	Assam	2281	0	43.2	36.3	0.8	457	0.37
	Manipur	176	0	2.6	2.6	0.1	22	0.00
NER	Meghalaya	322	54	4.7	3.4	0.1	85	1.80
	Mizoram	112	0	1.8	1.8	-0.3	10	0.00
	Nagaland	163	0	2.8	2.9	-0.1	27	0.00
	Tripura	356	0	6.6	6.4	0.8	122	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	5.8	-7.1	-25.3	-17.9
Day Peak (MW)	438.8	-554.8	-1093.0	-821.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.4	-255.0	72.2	-55.1	20.4	0.0
Actual(MU)	199.2	-249.5	80.8	-59.4	23.2	-5.6
O/D/LI/D(MLI)	-18.2	5.6	9.5	-43	2.8	-5.6

F. Generation Outage(MW)

11 Contention Carage (111 )							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	1445	7272	6118	270	830	15935	37
State Sector	5910	14155	4369	2570	316	27319	63
Total	7355	21426	10487	2840	1146	43254	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	791	1478	670	691	16	3646	73
Lignite	19	19	54	0	0	91	2
Hydro	225	39	61	63	8	397	8
Nuclear	30	32	46	0	0	107	2
Gas, Naptha & Diesel	20	26	6	0	23	75	1
RES (Wind, Solar, Biomass & Others)	150	208	320	3	1	683	14
Total	1234	1802	1157	758	49	5000	100
Share of RES in total generation (%)	12.15	11.55	27.67	0.46	2.58	13.66	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.81	15.49	36.91	8.79	19.75	23.75	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.045

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	213982	15:20	405
Non-Solar hr	207492	22:53	951

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 \*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-Jun-2023

19   Var								06-Jun-2023
Total	Si No Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Total	Import/Export of ER (	With NR)		1				
1	1 HVDC	ALIPURDUAR-AGRA	2					
S.   S.								
Total			1					
The content of the			i					
			•					
The Content of Part								
10	9 400 kV	PATNA-BALIA		0	471	0.0	7.6	-7.6
10   10   10   10   10   10   10   10								
15								
15   20								
18   1911   1912   1912   19   19   19   1	14 220 kV	SAHUPURI-KARAMNASA	1		180	0.0		
10   10   10   10   10   10   10   10			1					
18   15   15   15   15   15   15   15			1					
Import   Fig.   William   William			1		0	0.0		0.0
Page					ER-NR	8.9	45.6	-36.7
SOLV				1010	40	100	1 00	100
1								
BOOK   BANKSHAME   2   244   9   40   40   10   14								
	4 400 kV	JHARSUGUDA-RAIGARH		34	372	0.0		-4.3
Description   Property   Proper								
Import   Separal of ER With SEL								
Import Page   Text   With State	7 220 R V	BUDINI ADAK-KOKBA		200				
2   MACHE MACHINEMACAS REPORT   2   8   1952   40   32   32   32   32   32   32   32   3	Import/Export of ER (	With SR)						
1   PART								
S   STANK   BALBURA APPERABLE REPORT   1   0   0   0   0   0   0   0   0   0								
					0	0.0	0.0	0.0
1					ER-SR	0.0	89.7	-89.7
Bean								
2   2014   MATERIOR ROBANSATI   2   9   134   01   13   1.10								
Indication   The Property of NRT (With NRT)   The Property of NR								
INDITECT   STOKE   WISH NR	D ZZUKY		·	•				
BYPE   BROWANTH CHERRICAGEA   2   384   0   8.9								
ImportExport of WR (With NR)	1 HVDC	BISWANATH CHARIALI-AGRA	2	384				
RYNC   CHAMPA-KIRENSITTEM   2   6   521   500   521   531	¥ ./=	(WIII ND)			NER-NR	8.9	0.0	8.9
HYPE   VINDIACIDAL BIB   1				1 0	2512	0.0	70.1	50.1
A   TYPE   MINORA-MORINSPERCHARI   2   0   300   0.0   7.4   7.4   7.4   7.4   7.5								
S								
0   755   V   JARAPTEROBAT   2   0   1029   0.0   3.48   3.48   3.48   7.7   7.56   X   (XVALINGEM)   1   1.594   0   10.0   1								
7. SEAV   CAMALOR CORDA    1								
765   N. SATA-AGRAIT			1					
10	8 765 kV	SATNA-ORAI	i	0	1082			
1   4994   ZEDA-KANKROLI	9 765 kV							
12   400 AV   ZPEDA BRINNMAL			2		3120			
1   400   1   1   956	11 400 1-37			226	60	2.0	0.1	2.0
15   220 kV   BHAYPER-MORK			1					
1   220   V	12 400 kV 13 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	i	470 956	77 0	4.8 21.7	0.1 0.0	4.8 21.7
1   75   230 kV   MIANPER KARMAYN   1   75   23   0.4   0.1   0.3	12 400 kV 13 400 kV 14 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	i	470 956 270	77 0 327	4.8 21.7 1.3	0.1 0.0 2.2	4.8 21.7 -0.9
132 EV   RAJCHAT-LAJITPUR   2   0   0   0   0   0   0   0   0   0	12 400 kV 13 400 kV 14 400 kV 15 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 2 1	470 956 270 0	77 0 327 0	4.8 21.7 1.3 0.0	0.1 0.0 2.2 0.0	4.8 21.7 -0.9 0.0
132 kV   RAGIGIA-LALITUR   2   0   0   0.0   0.0   0.0   0.0	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 2 1	470 956 270 0	77 0 327 0 30	4.8 21.7 1.3 0.0 0.0	0.1 0.0 2.2 0.0 2.2	4.8 21.7 -0.9 0.0 -2.2
Import/Export of WR (With SR)	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 2 1	470 956 270 0 0 75 49	77 0 327 0 30 23 33	4.8 21.7 1.3 0.0 0.0 0.4 0.2	0.1 0.0 2.2 0.0 2.2 0.1 0.2	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0
Import   Export of WR (With SR)	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 2 1 1 1 1 1	470 956 270 0 0 75 49	77 0 327 0 30 23 33 0	4.8 21.7 1.3 0.0 0.0 0.4 0.2	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0
A	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 2 1 1 1 1 1	470 956 270 0 0 75 49	77 0 327 0 30 23 33 0 0	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0
3   765 kV   WADDIA-RAGICIUR   2   2014   781   14.9   1.0   11.9	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA RANPUR BHANPURA MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2 1 1 1 1 1	470 956 270 0 0 75 49	77 0 327 0 30 23 33 0 0	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0
1	12	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 2 1 1 1 1 1 1 2	470 956 270 0 0 75 49 0	77 0 327 0 30 23 33 0 0 WR-NR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 69.1	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0 248.1	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0 -178.9
S	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 2 1 1 1 1 1 1 2	470 956 270 0 0 75 49 0 0	77 0 327 0 327 0 30 223 33 0 0 WR-NR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0 248.1	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 -178.9
7   220 kV   PONDA-AMBEWADI	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURARANPUR BHANPURAMORAK MEHGAON-AURAIYA MALANPURAURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 2 1 1 1 1 1 1 2	470 956 270 0 0 75 49 0 0	77 0 327 0 30 23 30 23 33 0 WR-NR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 69.1	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0 248.1	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0 -178,9
S   220 kV   XELDEM-AMBEWADI   1   0   129   2.5   0.0   2.5	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	470 956 270 0 0 75 49 0 0 0 0 2014 0 1573	77 0 327 0 327 0 30 223 33 0 0 WR-NR 307 2505 781 1993 0	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 0.0 14.9 0.0 0.0 14.9 0.0 28.3	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0 248.1 7.2 37.5 1.0 26.0 0.0	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 -178.9 -7.2 -37.5 13.9 -26.0 28.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Export(-ve)	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA RANPUR BHANPURA RANPUR BHANPURA RANPUR BHANPURA RANPUR MEHGAON-AURAIYA MALANPUR AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	470 956 270 0 0 75 49 0 0 0 0 0 1573 0	77 0 327 0 327 0 0 30 23 33 0 0 WR-NR 307 2505 781 1993 0 0	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0 2.48.1  7.2 37.5 1.0 26.0 0.0 0.0	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0 -178.9 -7.2 -37.5 13.9 -26.0 28.3 0.0
INTERNATIONAL EXCHANGES	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR 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	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	470 956 270 0 0 75 49 0 0 0 0 2014 0 1573 0 0	77 0 327 0 327 0 30 23 33 0 WR-NR  307 2505 781 1993 0 0 0	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 69.1	0.1 0.0 2.2 0.0 2.2 0.1 0.2 0.0 0.0 2.48.1  7.2 37.5 1.0 26.0 0.0 0.0	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0 -178.9 -7.2 -37.5 13.9 -26.0 28.3 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MII)	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR 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	1 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	470 956 270 0 0 75 49 0 0 0 0 2014 0 1573 0 0	77 0 327 0 327 0 30 23 33 33 0 0 WR-NR 307 2505 781 1993 0 0 0 129	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 0.0 2.5	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 28.3 0.0 0.0 0.0 0.0
Max	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRA WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1	470 956 270 0 0 75 49 0 0 0 0 0 1573 0 0 1573 0 0 0	77 0 327 0 327 0 30 23 33 33 0 0 WR-NR 307 2505 781 1993 0 0 0 129	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 0.0 2.5	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 2.48.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 28.3 0.0 0.0 0.0 0.0 2.5 -26.0
ER	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA 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 XELDEM-AMBEWADI IN	1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX	470 956 270 0 0 0 75 49 0 0 0 0 1573 0 0 1573 0 0 0 CHANGES	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 1.1 1.1 1.1 1.1 1.1 1	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 28.3 0.0 0.0 0.0 -2.5 -26.0 (+ve)/Export(-ve)
HEF 4*28/0MW    400k T ALA BINAGURI 1,2.4 (& 400kV     400k T ALA BINAGURI 1,2.4 (& 400kV     400k T ALA BINAGURI 1.2.4 (& 400kV     400k T ALA BINAGURI 1.4	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA 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 XELDEM-AMBEWADI IN	1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	470 956 270 0 0 0 75 49 0 0 0 0 0 1573 0 0 0 CHANGES	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 1.1 1.1 1.1 1.1 1.1 1	4.8 21.7 -0.9 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 28.3 0.0 0.0 2.5 -26.0 +ve)/Export(-ve) Energy Exchange
BHUTAN   ER   MALBASE - BINAGURI   149   73   114   2.73	12	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  IN Region	1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 0 CHANGES Name	77 0 327 0 327 0 30 23 33 0 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 -2.5 -26.0 (+ve)/Export(-ve) Energy Exchange
BHUTAN   ER	12	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  IN Region	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 0 CHANGES Name	77 0 327 0 327 0 30 23 33 0 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 -2.5 -26.0 (+ve)/Export(-ve) Energy Exchange
BHUTAN ER MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (-130   -59   -87   -2.09 (-100	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 1573 0 0 1573 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. T (from MANGDECHU	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 -2.5 -26.0 (+ve)/Export(-ve) Energy Exchange
BHUTAN ER MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (-130   -59   -87   -2.09 (-100	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 1573 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU 11,2,4 (& 400kV 11) i.e. BINAGURI	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06
NER   132kV GELEPHU-SALAKATI   15   0   5   0.13	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 1573 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU 11,2,4 (& 400kV 11) i.e. BINAGURI	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06
NER 132kV MOTANGA-RANGIA 55 29 42 1.01  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) .70 0 .55 .1.31  NEPAL ER NEPAL IMPORT (FROM BIHAR) .157 .17 .41 .0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 .328 0 .201 .4.82  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) .928 .816 .901 .21.63  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C .821 .667 .746 .17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06
NER 132kV MOTANGA-RANGIA 55 29 42 1.01  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) .70 0 .55 .1.31  NEPAL ER NEPAL IMPORT (FROM BIHAR) .157 .17 .41 .0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 .328 0 .201 .4.82  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) .928 .816 .901 .21.63  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C .821 .667 .746 .17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 1573 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06
NEPAL ER NEPAL IMPORT (FROM BIHAR) -157 -17 -41 -0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  ER 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06
NEPAL ER NEPAL IMPORT (FROM BIHAR) -157 -17 -41 -0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  ER 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06
NEPAL ER NEPAL IMPORT (FROM BIHAR) -157 -17 -41 -0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR Max (MW) 258	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09
NEPAL ER NEPAL IMPORT (FROM BIHAR) -157 -17 -41 -0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR Max (MW) 258	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09
NEPAL ER NEPAL IMPORT (FROM BIHAR) -157 -17 -41 -0.97  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR Max (MW) 258	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 14.9 0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA 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	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -328 0 -201 -4.82  ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA 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	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MII) 4.06  2.73  -2.09
ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73  -59	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MII) 4.06  2.73  -2.09  0.13
ER BHERAMARA B/B HVDC (B'DESH) -928 -816 -901 -21.63  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 23 33 33 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73  -59	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MII) 4.06  2.73  -2.09  0.13
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 323 33 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130 15 -157	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73 -59 0 0 -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MII) 4.06  2.73  -2.09  0.13  1.01 -1.31
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 323 33 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130 15 -157	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73 -59 0 0 -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MII) 4.06  2.73  -2.09  0.13  1.01 -1.31
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 323 33 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130 15 -157	4.8 21.7 1.3 0.0 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73 -59 0 0 -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 22.3 0.0 0.0 0.0 2.5 -26.0 (+ve)/Export(-ve) Energy Exchange (MII) 4.06  2.73  -2.09  0.13  1.01 -1.31
BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -821 -667 -746 -17.90	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1573 0 0 0 1573 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV II) i.e. BINAGURI HEP 6*170MW) IRA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) IKATI GGIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	77 0 327 0 327 0 30 328 33 33 0 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR Max (MW) 258 149 -130 15 55 -70 -157	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73  -59  0  -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5  42 -55 -41	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 22.8 0.0 0.0 0.0 2.5 -26.0  (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09  0.13  1.01 -1.31 -0.97
(Isolated from Indian Grid)	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA 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	1   2   1   1   1   1   1   1   1   1	470 956 270 0 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1573 0 0 0 1573 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV II) i.e. BINAGURI HEP 6*170MW) IRA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) IKATI GGIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	77 0 327 0 327 0 30 328 33 33 0 0 WR-NR 307 2505 781 1993 0 0 0 129 WR-SR Max (MW) 258 149 -130 15 55 -70 -157	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73  -59  0  -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5  42 -55 -41	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 22.8 0.0 0.0 0.0 2.5 -26.0  (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09  0.13  1.01 -1.31 -0.97
NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -165 0 -153 -3.66	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA MALANPUR-AURAIYA 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	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 323 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130 15 -70 -157 -328	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 22.5 45.7  Min (MW)  77  73  -59  0  -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55 -41 -201	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 22.8 0.0 0.0 0.0 2.5 -26.0  -26.0  Energy Exchange (MU) 4.06  2.73  -2.09  0.13  1.01 -1.31 -0.97 -4.82 -21.63
NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -165 0 -153 -3.66	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  TN  Region  ER  ER  NER  NER  NER  ER  ER  ER  ER	1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 323 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130 15 -70 -157 -328	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 22.5 45.7  Min (MW)  77  73  -59  0  -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55 -41 -201	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 2.5 -26.0  (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09  0.13  1.01 -1.31 -0.97 -4.82
	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  TN  Region  ER  ER  NER  NER  NER  ER  ER  ER  ER	1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 323 33 0 0 WR-NR  307 2505 781 1993 0 0 0 129 WR-SR  Max (MW)  258  149 -130 15 -70 -157 -328	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 22.5 45.7  Min (MW)  77  73  -59  0  -17	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55 -41 -201	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 2.5 -26.0  (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09  0.13  1.01 -1.31 -0.97 -4.82
	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA 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  ER	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 956 270 0 0 0 75 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	77 0 327 0 327 0 30 328 -928 -821	4.8 21.7 1.3 0.0 0.0 0.4 0.2 0.0 0.0 0.0 0.0 69.1  0.0 28.3 0.0 0.0 2.5 45.7  Min (MW)  77  73  -59  0 -17  0 -816	0.1 0.0 2.2 0.0 0.1 0.2 0.1 0.2 0.1 0.2 0.0 0.0 0.0 0.0 248.1  7.2 37.5 1.0 26.0 0.0 0.0 0.0 0.0 71.7  Import( Avg (MW)  169  114 -87  5 42 -55 -41 -201 -901	4.8 21.7 -0.9 0.0 0.0 -2.2 0.3 0.0 0.0 0.0 -178.9  -7.2 -37.5 13.9 -26.0 228.3 0.0 0.0 2.5 -26.0  (+ve)/Export(-ve) Energy Exchange (MU) 4.06  2.73  -2.09  0.13  1.01 -1.31 -0.97 -4.82 -21.63