

## 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: **7**<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 06.06.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 6<sup>th</sup> June 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: 07-Jun-2023

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at	58524	63198	47664	27445	3458	200289
20:00 hrs; from RLDCs)	30324	03196	47004	27443	3430	200289
Peak Shortage (MW)	127	0	0	0	54	181
Energy Met (MU)	1364	1475	1182	626	68	4715
Hydro Gen (MU)	225	51	65	70	8	418
Wind Gen (MU)	31	150	168	-	-	349
Solar Gen (MU)*	120.33	66.40	122.67	2.98	1.08	313
Energy Shortage (MU)	2,42	1.76	0.00	1.70	1.84	7.72
Maximum Demand Met During the Day (MW)	63638	67777	56642	29020	3504	217259
(From NLDC SCADA)	03038	0////	50042	29020	3304	21/259
Time Of Maximum Demand Met	22:35	14:47	14:58	23:53	19:02	14:46

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	0.054	0.00	1.41	3.83	5.24	63.58	31.18

C. Power Supply Position in States

		Max.Demand	Shortage during	<b>Energy Met</b>	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	0.77	Schedule	0.171)	(3.477)	Shortage (MU
		day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(MW)	
	Punjab	8385	0	177.3	74.2	-1.2	248	0.00
	Haryana	8839	0	179.8	122.4	-8.5	10	0.00
	Rajasthan	13167	0	251.0	51.4	-7.4	282	0.00
	Delhi	5511	0	113.7	107.9	-2.2	161	0.01
NR	UP	25239	0	503.9	224.3	0.0	1193	0.00
	Uttarakhand	2272	0	47.9	27.2	0.1	252	0.08
	HP	1444	0	29.5	4.6	0.0	92	0.00
	J&K(UT) & Ladakh(UT)	2321	127	51.5	26.4	1.3	527	2.33
	Chandigarh	248	0	5.3	5.7	-0.5	16	0.00
	Railways_NR ISTS	176	0	3.9	3.3	0.6	45	0.00
	Chhattisgarh	4789	0	105.9	59.6	0.1	549	0.34
	Gujarat	21052	0	440.5	200.0	-3.2	754	0.00
	MP	11329	0	256.0	142.9	-7.8	412	0.00
WR	Maharashtra	27838	570	597.6	218.2	3.1	1037	1.42
	Goa	731	0	16.2	15.7	0.0	92	0.00
	DNHDDPDCL	1279	0	29.8	30.0	-0.2	43	0.00
	AMNSIL	758	0	17.1	10.5	-0.2	279	0.00
	BALCO	517	0	12.3	12.5	-0.2	2	0.00
	Andhra Pradesh	12388	0	244.4	62.5	0.5	840	0.00
	Telangana	9987	0	203.4	92.0	2.3	867	0.00
SR	Karnataka	13516	0	262.0	76.9	2.6	651	0.00
	Kerala	4517	0	91.3	63.0	1.8	388	0.00
	Tamil Nadu	17553	0	371.5	163.8	-4.5	572	0.00
	Puducherry	478	0	9.6	9.5	-0.6	45	0.00
	Bihar	6654	0	145.1	134.2	0.2	330	0.72
	DVC	3427	0	76.2	-47.9	-0.2	296	0.00
	Jharkhand	1822	0	36.4	35.5	-3.7	402	0.99
$\mathbf{E}\mathbf{R}$	Odisha	6545	0	129.3	49.5	0.7	1155	0.00
	West Bengal	11057	0	237.6	123.1	-2.2	487	0.00
	Sikkim	87	0	1.5	1.2	0.3	41	0.00
	Railways_ER ISTS	11	0	0.0	0.3	-0.3	7	0.00
	Arunachal Pradesh	171	0	2.9	2.4	0.5	96	0.00
	Assam	2327	0	46.3	39.9	0.1	210	0.35
	Manipur	157	0	2.3	2.4	-0.1	34	0.00
NER	Meghalaya	315	54	4.4	2.9	0.2	182	1.49
	Mizoram	100	0	1.8	1.7	-0.2	9	0.00
	Nagaland	168	0	3.0	2.8	-0.1	26	0.00
	Tripura	357	0	7.0	7.1	0.8	147	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	4.0	-7.4	-25.3	-17.9
Day Peak (MW)	468.3	-630.8	-1104.0	-650.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	210.9	-244.1	69.8	-62.1	25.4	0.0
Actual(MU)	176.5	-253.2	99.9	-57.8	27.6	-7.0
O/D/U/D(MU)	-34.5	-9.1	30.1	4.3	2.2	-7.0

F. Generation Outage(MW)

or otherwise outsign (in the property)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	1445	6170	5518	470	830	14433	38
State Sector	5060	11718	4038	2158	266	23239	62
Total	6505	17888	9556	2628	1096	37672	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	797	1493	680	696	16	3682	72
Lignite	22	20	50	0	0	91	2
Hydro	225	51	65	70	8	418	8
Nuclear	30	32	46	0	0	107	2
Gas, Naptha & Diesel	40	44	7	0	23	114	2
RES (Wind, Solar, Biomass & Others)	178	218	310	3	1	711	14
Total	1291	1858	1157	769	48	5122	100
Share of RES in total generation (%)	13.81	11.72	26.81	0.43	2.27	13.87	]
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.49	16.20	36.38	9.51	18.52	24.13	

H. All India Demand Diversity Factor	H. All In	dia Demai	nd Diversity	Factor
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11. 111 India Demand Diversity Factor	
Based on Regional Max Demands	1.015
Based on State Max Demands	1.047

I. All India Peak	Demand and shortage at Solar and 1	Non-Solar Hour
	Max Domand Mat(MW)	Time

	Max Demand Met(MW)	Time	Shortage(MW)		
Solar hr	217259	14:46	435		
Non-Solar hr	210865	22:36	619		

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

<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: 07-Jun-2023

No.   Control   No.   Control   No.   Control   No.	1	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1	Import			1		• (/)	• /	- ' '	
1	1	HVDC	ALIPURDUAR-AGRA						
	3	765 kV	GAYA-VARANASI	2	519	26	5.8	0.0	5.8
1				•					
B	6	400 kV	PUSAULI-VARANASI	1	0	106	0.0	1.6	-1.6
1									
10   10   10   10   10   10   10   10			PATNA-BALIA						-6.9
10	11	400 kV	BIHARSHARIFF-BALIA	2	219	90	0.9	0.0	0.9
1									
15   15   17   15   15   15   15   15	14	220 kV	SAHUPURI-KARAMNASA	1	1	178	0.0	2.9	-2.9
15   133   134   134   134   134   134   135   136									
Impure   Sept	17	132 kV	KARMANASA-SAHUPURI	-	0		0.0		0.0
	18	132 KV	KARMANASA-CHANDAULI	1	U				
1	Import				T				
MINONE CONTRACTORMACKAMIN	2								
BOOK   RANGESTRATE   2   24   4   5.0   10   10   10			JHARSUGUDA-DURG						-5.2
Part	5	400 kV	RANCHI-SIPAT		374	0	5.6	0.0	5.6
INDIPATE   TOTAL   T									
				-					
1   100   TALCHISACIA SERVICE   2   14   191   40   24   40   14   14   14   14   14   14   1				2	Ι ο	541	0.0	12.4	12.4
BORN   TACHERAC   2   \$66	2	HVDC	TALCHER-KOLAR BIPOLE	2	14	1491	0.0	24.9	-24.9
S.   2014   BAURIA-PEPERBLERE   1   9   0   0   0   0   0   0   0   0   0									
						0	0.0	0.0	0.0
BOAL BROADER BOUNDAMINON   2   0   246   40   45   40	Import	t/Export of ER ()	With NER)			ER-SR	0.0	83.7	-83.7
2   2014   ALPERDURASALAKATI   2   0   12   22   22	1	400 kV	BINAGURI-BONGAIGAON						
Import/Export of NR (With NR)									
BINDER   BINDER   1	,			· -					
Import/Export of WR (WIR) NR)					204		0.1		0.1
	1	нурс	DISWANATH CHARIALI-AGRA		380				
HYPIC   VINDIACHALER	Import			1	T .				-0.4
B   HYDE	2								
Set No.   Consideration   Co			MUNDRA-MOHINDERGARH				0.0		-7.4
7		765 kV	GWALIOR-PHAGI					11.3	
1									
10	8	765 kV	SATNA-ORAI	1	0	1065	0.0	21.1	-21.1
1   4994   ZERDA-KNINGOLI									
1   400 kV   VINDITYACHIA-RITRAND   1   964   0   21.7   9.0   21.7	11	400 kV	ZERDA-KANKROLI		209	0	3.3		3.3
1									
16   2204	1.4			1	904	0	21.7	0.0	21.7
18   229 kV   MALANFURAURANYA   1   77   0   0.9   0.0   0.0   0.9     19   132 kV   GWALINGENSWUM MINIPUR   1   0   0   0   0.0   0.0   0.0   0.0     132 kV   GWALINGENSWUM MINIPUR   1   0   0   0   0.0   0.0   0.0   0.0     132 kV   GWALINGENSWUM MINIPUR   1   0   0   0.0   0.0   0.0   0.0     132 kV   GWALINGENSWUM MINIPUR   1   0   0   0.0   0.0   0.0     15 kW   18		100 111	RAPP-SHUJALPUR	2	286	299	2.3	0.8	1.5
132 kV   WALIORASAWAI MADHOPUR	15 16	220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	2 1	286 0 0	299 0 30	2.3 0.0 0.0	0.8 0.0 2.2	1.5 0.0 -2.2
Import/Export of WR (With SR)	15 16 17	220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2 1 1 1	286 0 0 104	299 0 30 0	2.3 0.0 0.0 1.5	0.8 0.0 2.2 0.0	1.5 0.0 -2.2 1.5
Import   Export of WR (With SR)	15 16 17 18 19	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	2 1 1 1 1 1	286 0 0 104 77 0	299 0 30 0 0	2.3 0.0 0.0 1.5 0.9	0.8 0.0 2.2 0.0 0.0 0.0	1.5 0.0 -2.2 1.5 0.9 0.0
A	15 16 17 18 19	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	2 1 1 1 1 1	286 0 0 104 77 0	299 0 30 0 0 0	2.3 0.0 0.0 1.5 0.9 0.0 0.0	0.8 0.0 2.2 0.0 0.0 0.0	1.5 0.0 -2.2 1.5 0.9 0.0
3   765 kV   WARDHANIZMAMBAD   2   1539   1316   9.7   3.7   6.0	15 16 17 18 19 20	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	2 1 1 1 1 1	286 0 0 104 77 0	299 0 30 0 0 0 0 WR-NR	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6	0.8 0.0 2.2 0.0 0.0 0.0 0.0 230.3	1.5 0.0 -2.2 1.5 0.9 0.0 -159.7
S	15 16 17 18 19 20 Import	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR (	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B	2 1 1 1 1 1 1 2	286 0 0 104 77 0 0	299 0 30 0 0 0 WR-NR	2.3 0.0 0.0 1.5 0.9 0.0 70.6	0.8 0.0 2.2 0.0 0.0 0.0 0.0 230.3	1.5 0.0 -2.2 1.5 0.9 0.0 -159.7
Column	15 16 17 18 19 20 Import 1 2 3	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14/Export of WR ( HVDC HVDC 765 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 1 1 1 1 1 1 2 2	286 0 0 104 77 0 0 370 0 1539	299 0 30 0 0 0 WR-NR 314 4009 1316	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6	0.8 0.0 2.2 0.0 0.0 0.0 230.3 5.2 42.6 3.7	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7 -3.3 -42.6 6.0
S   220 kV   NELDEM-AMBEWADI   1   1   133   2.6   0.0   2.6     WR-SR   38.9   85.9   47.0     S   State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange     Max (MW)   Min (MW)   Min (MW)   Avg (MW)   Energy Exchange     Max (MW)   Max (MW)   Min (MW)   Min (MW)   Avg (MW)   Energy Exchange     Max (MW)   Max (MW)   Max (MW)   Min (MW)   M	15 16 17 18 19 20 Import 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR ( HVDC HVDC 765 kV 400 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 1 1 1 2 2	286 0 0 104 77 0 0 0 370 0 1539 0 1415	299 0 30 0 0 0 0 WR-NR 314 4009 1316 2398 0	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6 1.9 0.0 9.7 0.0	0.8 0.0 2.2 0.0 0.0 0.0 0.0 230.3 5.2 42.6 3.7 34.4 0.0	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7 -3.3 -42.6 6.0 -34.4 24.8
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MU)	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 16 HVDC 1765 kV 1765 kV 1706 kV 1706 kV	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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	286 0 0 104 77 0 0 370 0 1539 0 1415	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6 1.9 0.0 9.7 0.0 24.8 0.0	0.8 0.0 2.2 0.0 0.0 0.0 230.3 5.2 42.6 3.7 34.4 0.0	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7 -3.3 -42.6 6.0 -34.4 24.8 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MII)	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR ( HVDC HVDC HVDC 565 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADBAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1	286 0 0 104 77 0 0 370 0 1539 0 1415 0	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6 1.9 0.0 9.7 0.0 24.8 0.0 0.0 24.8	0.8 0.0 2.2 0.0 0.0 0.0 0.0 230.3 5.2 42.6 3.7 34.4 0.0 0.0 0.0	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7 -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0
A00kV MANGDECHHU-ALIPURDUAR 1,2&3 1.e.	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR ( HVDC HVDC HVDC 565 kV 400 kV 220 kV	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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1	286 0 0 104 77 0 0 370 0 1539 0 1415 0 0	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6 1.9 0.0 9.7 0.0 24.8 0.0 0.0 24.8	0.8 0.0 2.2 0.0 0.0 0.0 230.3 5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7 -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0
ER	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 4/Export of WR ( HVDC HVDC HVDC HVDC HVDC HVDC SkV 765 kV 400 kV 220 kV 220 kV	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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	286 0 0 104 77 0 0 370 0 1539 0 1415 0 0	299 0 30 0 0 0 WR-NR 314 4009 1316 2398 0 0 0 WR-SR	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6 1.9 0.0 9.7 0.0 24.8 0.0 0.0 24.8 38.9	0.8 0.0 2.2 0.0 0.0 0.0 230.3 5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7 -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0
HEP # \$180MW    A   400kV TALA BINAGURI 1,2,4 (& 400kV   219   87   128   3,06   200kV TALA BINAGURI   219   87   128   3,06   200kV CHUKHA-BINAGURI   219   87   128   3,06   200kV CHUKHA-BIRDARA RECEIPT (from TALA HEP 6*170MW)   250kV CHUKHA-BIRDARA RECEIPT (from CHUKHA-BIRDARA) i.e. BIRPARA RECEIPT (from CHUKHA-BIRDARA FIRADARA FIRA	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 4/Export of WR ( HVDC HVDC HVDC HVDC HVDC HVDC SkV 765 kV 400 kV 220 kV 220 kV	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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	286 0 0 104 177 0 0 370 0 1539 0 1415 0 0 1 1 CHANGES	299 0 30 0 0 0 WR-NR 314 4009 1316 2398 0 0 0 WR-SR	2.3 0.0 0.0 1.5 0.9 0.0 0.0 70.6 1.9 0.0 9.7 0.0 24.8 0.0 0.0 24.8 38.9	0.8 0.0 2.2 0.0 0.0 0.0 230.3 5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange
BHUTAN   ER   MALBASE - BINAGUUR   219   87   128   3.06     RECEIPT (from TALA HEP \$179MW)   220kV CHUKHA-BIRPARA 1&2 (& 220kV     MALBASE - BIRPARA 1&2 (& 220kV     MALBASE - BIRPARA 1&2 (& 220kV     MALBASE - BIRPARA 1&2 (& 220kV     NER   132kV GELEPHU-SALAKATI   -22   -1   -13   -0.30     NER   132kV MOTANGA-RANGIA   -55   -35   -46   -1.11     NR   132kV MOTANGA-RANGIA   -55   -35   -46   -1.11     NR   132kV MAHENDRANAGAR-TANAKPUR(NHPC)   -74   0   -61   -1.46     NEPAL   ER   NEPAL IMPORT (FROM BIHAR)   -227   -11   -63   -1.50     ER   400kV DHALKEBAR-MUZAFFARPUR 1&2   -330   -59   -183   -4.40     BANGLADESH   ER   (Isolated from Indian Grid)   400kV GODDA_TPS-RAHANPUR (B'DESH) D/C   -650   -450   -650   -17.93	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 4/Export of WR ( HVDC HVDC HVDC HVDC HVDC HVDC SkV 765 kV 400 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT	286 0 0 104 77 0 0 0 370 0 1539 0 1415 0 1415 CHANGES Name	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9	0.8 0.0 2.2 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange
BHUTAN  ER MALBASE- BIRPARA I&C & 220kV  MALBASE- BIRPARA I&C & 220kV  NER 132kV GELEPHU-SALAKATI -153 28 -85 -2.05  NER 132kV MOTANGA-RANGIA -22 -1 -13 -13 -0.30  NER 132kV MOTANGA-RANGIA -55 -35 -46 -1.11  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) -74 0 -61 -1.46  NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50  ER 400kV DHALKEBAR-MUZAFFARPUR I&2 -330 -59 -183 -4.40  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 4/Export of WR ( HVDC HVDC HVDC HVDC HVDC HVDC SkV 765 kV 400 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGAR RECEIP1 HEP 4*180MW)	286 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9	0.8 0.0 2.2 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange
BHUTAN ER MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (153 28 -85 -2.05 (170 CHUKHA HEP 4*84MW))  NER 132kV GELEPHU-SALAKATI -22 -1 -13 -0.30   NER 132kV MOTANGA-RANGIA -55 -35 -46 -1.11   NR 132kV MOTANGA-RANGIA -55 -35 -46 -1.11   NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) -74 0 -61 -1.46   NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50   ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40   BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68   ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 4/Export of WR ( HVDC HVDC HVDC HVDC HVDC HVDC SkV 765 kV 400 kV 220 kV 220 kV	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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	286 0 0 104 77 0 0 0 1539 0 1415 0 0 1415 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MII) 4.37
NER   132kV GELEPHU-SALAKATI   -22	15 16 17 18 19 20 Import 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 4/Export of WR ( HVDC HVDC HVDC HVDC HVDC HVDC SkV 765 kV 400 kV 220 kV 220 kV	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	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H	286 0 0 104 77 0 0 0 370 0 1539 0 1415 0 1415 0 0 1 (CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU (1,2,4 (& 400kV) 1 i.e. BINAGURI EP 6*170MW)	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MII) 4.37
NER 132kV MOTANGA-RANGIA -55 -35 -46 -1.11  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) -74 0 -61 -1.46  NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SAWAI MADHOPUR RAJGHAT-LALITPUR  With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EXO Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALB PA MALBASE - BIRARA) i MALBASE - BIRARA) i	286 0 0 104 77 0 0 0 105 0 370 0 1539 0 1415 0 1 1  CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 1,2,4 (& 400kV t) i.e. BINAGURI EP 6*170MW) RA 1 82 (& 220kV .e. BIRPARA RECEIPT	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 133 WR-SR  Max (MW)  279	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37
NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SAWAI MADHOPUR RAJGHAT-LALITPUR  With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EXO Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALB PA MALBASE - BIRARA) i MALBASE - BIRARA) i	286 0 0 104 77 0 0 0 105 0 370 0 1539 0 1415 0 1 1  CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 1,2,4 (& 400kV t) i.e. BINAGURI EP 6*170MW) RA 1 82 (& 220kV .e. BIRPARA RECEIPT	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 133 WR-SR  Max (MW)  279	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37
NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	286 0 0 104 77 0 0 0 104 77 0 0 0 0 1539 0 1415 0 1415 1 1 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 .e. BIRPARA RECEIPT 14MW)	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 133 WR-SR  Max (MW)  279  219	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06
NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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  ER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI (From TALA H 220kV CHUKHA-BIRPA) MALBASE - BIRPARA) (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	286 0 0 104 77 0 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV) 1) i.e. BINAGURI EP 6*170 WV) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 14MW) KATI	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 133 WR-SR  Max (MW)  279  219  -153	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128 -85	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05
NEPAL ER NEPAL IMPORT (FROM BIHAR) -227 -11 -63 -1.50  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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  ER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI (From TALA H 220kV CHUKHA-BIRPA) MALBASE - BIRPARA) (from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	286 0 0 104 77 0 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV) 1) i.e. BINAGURI EP 6*170 WV) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 14MW) KATI	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 133 WR-SR  Max (MW)  279  219  -153	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128 -85	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI (from CHUKHA-BIRPA) MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALAI	286 0 0 104 77 0 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 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 .e. BIRPARA RECEIPT 4MW) KATI	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279  219 -153 -22	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77 87 28 -1	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128 -85	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -330 -59 -183 -4.40  ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 20 kV 20 kV 20 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-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	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI (from CHUKHA-BIRPA) MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALAI	286 0 0 104 77 0 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 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 .e. BIRPARA RECEIPT 4MW) KATI	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279  219 -153 -22	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77 87 28 -1	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128 -85	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05
ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  #WDC HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV  State	RAPP-SHUJALPUR BHANPURA-RANPUR 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  XELDEM-AMBEWADI  IN  Region  ER  ER  NER  NER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI MALBASE - BIRAGAI 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	286 0 0 104 77 0 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 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 .e. BIRPARA RECEIPT 4MW) KATI GIA	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279  219  -153  -22  -55	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77 87 28 -1 -35	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37 3.06  -2.05 -0.30 -1.11
ER BHERAMARA B/B HVDC (B'DESH) -930 -802 -903 -21.68  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  #WDC HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV  State	RAPP-SHUJALPUR BHANPURA-RANPUR 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  XELDEM-AMBEWADI  IN  Region  ER  ER  NER  NER	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI MALBASE - BIRAGAI 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	286 0 0 104 77 0 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 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 .e. BIRPARA RECEIPT 4MW) KATI GIA	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279  219  -153  -22  -55	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77 87 28 -1 -35	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37 3.06  -2.05 -0.30 -1.11
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -650  -450  -650  -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  #WDC HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV  State	RAPP-SHUJALPUR BHANPURA-RANPUR 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	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	286 0 0 104 77 0 104 77 0 0 0 15370 0 1539 0 1415 0 1415 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. 6 (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV 0.e. BIRPARA RECEIPT 14MW) KATI GIA CAR-TANAKPUR(NHPC) I BIHAR)	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279  219  -153  -22  -55  -74	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05 -0.30 -1.11 -1.46 -1.50
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -650  -450  -650  -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  #WDC HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV  State	RAPP-SHUJALPUR BHANPURA-RANPUR 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	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	286 0 0 104 77 0 104 77 0 0 0 15370 0 1539 0 1415 0 1415 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. 6 (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV 0.e. BIRPARA RECEIPT 14MW) KATI GIA CAR-TANAKPUR(NHPC) I BIHAR)	299 0 30 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279  219  -153  -22  -55  -74	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05 -0.30 -1.11 -1.46 -1.50
BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -650 -450 -650 -17.93	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  #WDC HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV  State	RAPP-SHUJALPUR BHANPURA-RANPUR 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  NER  ER	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRARA) i (from CHUKHA-BIRPA) MALBASE - BIRPARA) i 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG NEPAL IMPORT (FROM	286 0 0 104 77 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 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 .e. BIRPARA RECEIPT 4MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR)	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279 219 -153 -22 -55 -74 -227	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61  -63	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05  -0.30 -1.11 -1.46 -1.50
	15 16 17 18 19 20 Import 1 2 3 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  #WDC HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV  State	RAPP-SHUJALPUR BHANPURA-RANPUR 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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  NER  NER  NER  ER  ER	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRARA) i (from CHUKHA-BIRPA) MALBASE - BIRPARA) i 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG NEPAL IMPORT (FROM	286 0 0 104 77 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 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 .e. BIRPARA RECEIPT 4MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR)	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW)  279 219 -153 -22 -55 -74 -227	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61  -63	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05  -0.30 -1.11 -1.46 -1.50
NER         132kV COMILLA-SURAJMANI NAGAR 1&2         -174         0         -149         -3.58	15 16 17 18 19 20 Import 1 2 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV  HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA 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 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA) MALBASE - BIRPARA) i 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG NEPAL IMPORT (FROM	286 0 0 104 77 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. ('from MANGDECHU (1,2,4 (& 400kV) ) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 4MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW) 279 219 -153 -22 -55 -74 -227 -330	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35 0 -11 -59	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61  -63  -183	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MU) 4.37  3.06  -2.05  -0.30 -1.11 -1.46 -1.50 -4.40 -21.68
	15 16 17 18 19 20 Import 1 2 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV  HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA 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 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA) MALBASE - BIRPARA) i 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG NEPAL IMPORT (FROM	286 0 0 104 77 0 0 104 77 0 0 0 1539 0 1415 0 1415 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. ('from MANGDECHU (1,2,4 (& 400kV) ) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 4MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	299 0 30 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW) 279 219 -153 -22 -55 -74 -227 -330	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35 0 -11 -59	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61  -63  -183	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MUI) 4.37 3.06  -2.05 -0.30 -1.11 -1.46 -1.50 -4.40
	15 16 17 18 19 20 Import 1 2 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV  HVDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	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  IN Region ER ER  ER  NER  NER  NER  ER  ER  ER  E	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	286 0 0 104 77 0 0 0 15370 0 1539 0 1415 0 0 1415 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGBECHU 1,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV e. BIRPARA RECEIPT 4MW) KATI GIA FARTANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	299 0 30 0 0 0 0 0 0 WR-NR  314 4009 1316 2398 0 0 0 133 WR-SR  Max (MW) 279 219 -153 -22 -55 -74 -227 -330 -930	2.3 0.0 0.0 0.0 1.5 0.9 0.0 0.0 70.6  1.9 0.0 9.7 0.0 24.8 0.0 0.0 2.6 38.9  Min (MW)  77  87  28  -1 -35  0 -11 -59 -802	0.8 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 230.3  5.2 42.6 3.7 34.4 0.0 0.0 0.0 0.0 85.9  Import( Avg (MW)  182  128  -85  -13  -46  -61  -63  -183  -903	1.5 0.0 -2.2 1.5 0.9 0.0 0.0 0.0 -159.7  -3.3 -42.6 6.0 -34.4 24.8 0.0 0.0 2.6 -47.0  +ve)/Export(-ve) Energy Exchange (MII) 4.37  3.06  -2.05 -0.30 -1.11 -1.46 -1.50 -4.40 -21.68