

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

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दिनांक: **16**<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

2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016

3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093

4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 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 15.06.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15<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: 16-Jun-2023

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	66734	57386	50524	27348	2491	204483
Peak Shortage (MW)	154	557	0	733	13	1457
Energy Met (MU)	1525	1383	1236	601	44	4790
Hydro Gen (MU)	347	34	65	101	27	572
Wind Gen (MU)	49	190	176	-	-	416
Solar Gen (MU)*	119.81	56.05	132.53	2.99	0.52	312
Energy Shortage (MU)	4.16	3.91	1.30	9.40	0.44	19.21
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70190	61415	57788	28671	2517	210901
Time Of Maximum Demand Met	22:40	00:00	15:30	23:36	19:32	15:32

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	0.125	3.03	4.47	11.28	18.78	60.31	20.91

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	8757	0	177.8	83.4	-4.3	134	0.00
	Haryana	10484	0	222.8	162.0	-0.6	245	0.85
	Rajasthan	15444	0	315.4	100.7	-2.4	404	1.49
	Delhi	6799	0	138.5	125.9	-3.1	135	0.00
NR	UP	26491	0	523.2	254.3	-3.1	357	1.28
	Uttarakhand	2446	0	53.7	25.8	-0.4	71	0.08
	HP	1485	0	31.3	-3.2	-0.2	174	0.03
	J&K(UT) & Ladakh(UT)	2393	154	52.2	25.8	0.5	169	0.43
	Chandigarh	277	0	5.9	6.3	-0.4	13	0.00
	Railways_NR ISTS	186	0	4.0	3.3	0.8	80	0.00
	Chhattisgarh	4954	0	111.9	51.7	-0.9	323	0.00
	Gujarat	14929	0	321.3	115.8	-0.5	1254	0.00
	MP	11827	0	261.5	143.3	-4.1	1220	0.00
WR	Maharashtra	26926	0	613.4	203.1	2.0	1062	3.91
	Goa	711	0	15.3	14.3	0.5	145	0.00
	DNHDDPDCL	1269	0	29.6	29.8	-0.2	43	0.00
	AMNSIL	815	0	17.8	7.9	0.1	220	0.00
	BALCO	522	0	12.4	12.4	0.0	518	0.00
	Andhra Pradesh	12656	0	257.9	85.9	1.9	1012	0.00
	Telangana	10942	0	219.3	90.2	-0.4	487	0.00
SR	Karnataka	13841	0	271.7	81.9	6.9	1297	1.30
	Kerala	4145	0	81.7	55.6	2.1	465	0.00
	Tamil Nadu	18014	0	394.7	182.6	-1.0	544	0.00
	Puducherry	483	0	11.0	10.1	0.2	72	0.00
	Bihar	6278	597	123.5	115.1	-2.5	519	7.38
	DVC	3728	0	79.6	-37.0	0.1	347	0.00
	Jharkhand	1844	0	38.1	33.4	-1.6	410	1.71
ER	Odisha	6210	0	120.1	54.7	-0.6	422	0.32
	West Bengal	11454	0	238.5	105.7	-2.0	627	0.00
	Sikkim	96	0	1.4	1.4	0.0	33	0.00
	Railways_ER ISTS	13	0	0.0	0.2	-0.2	4	0.00
	Arunachal Pradesh	152	0	2.5	2.8	-0.7	40	0.00
	Assam	1533	0	27.1	21.2	-0.5	192	0.00
	Manipur	158	0	2.2	2.4	-0.2	30	0.00
NER	Meghalaya	319	13	4.2	0.7	-0.3	66	0.44
	Mizoram	98	0	1.7	1.7	-0.2	9	0.00
	Nagaland	143	0	2.5	2.3	-0.1	5	0.00
	Tripura	298	0	4.1	5.2	-0.6	66	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	19.2	5.2	-25.4	-17.8
Day Peak (MW)	1730.8	240.4	-1090.0	-779.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	265.1	-291.3	104.3	-64.7	-13.4	0.0
Actual(MU)	222.1	-284.4	141.6	-69.1	-15.8	-5.5
O/D/U/D(MU)	-42.9	6.9	37.3	-4.3	-2.5	-5.5

F. Generation Outage(MW)

TV Generalization Guidage (11277)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	1245	10954	5908	2315	455	20876	46
State Sector	5100	13206	4801	1650	230	24986	54
Total	6344	24159	10709	3965	685	45862	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	782	1433	664	636	15	3530	68
Lignite	23	17	54	0	0	94	2
Hydro	347	34	65	101	27	572	11
Nuclear	29	31	50	0	0	110	2
Gas, Naptha & Diesel	29	24	5	0	26	84	2
RES (Wind, Solar, Biomass & Others)	175	247	337	3	1	762	15
Total	1384	1787	1174	740	68	5153	100
Share of RES in total generation (%)	12.61	12.02	28.70	0.45	0.77	14.84	1
Share of KES in total generation (%)	12.61	13.83	28.70	0.45	0.77	14.84	1
Share of Non-fossil fuel (Hydro,Nuclear and RES)	39.74	17.46	38.44	14.30	40.46	28.11	
in total generation(%)	37.14	17.40	30.44	14.50	40.40	20.11	

in total generation(%)

11. 741 mula Demand Diversity Factor	
Based on Regional Max Demands	1.045
Based on State Max Demands	1.086

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	210901	15:32	136
Non-Solar hr	210828	22:43	3474

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

<sup>\*\*</sup>Note: All generation MU figures are gross
\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)
Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

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

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 16-Jun-2023

No   Varie	Sl No				1	T I		Date of Reporting:	16-Jun-2023
The Control of Contr		Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	Impor								
1	1	HVDC	ALIPURDUAR-AGRA						
The Content of the									
1									
	5	765 kV	GAYA-BALIA	-	0	542	0.0	7.4	-7.4
BOOK   MACKAT PARTICON CONTINUES   2				1					
MANY   AND ADMAN				-					
10   10   10   10   10   10   10   10			PATNA-BALIA					8.7	
1									
10   10   10   10   10   10   10   10									
1									
18   1311   13	14	220 kV	SAHUPURI-KARAMNASA		0	207	0.0	3.5	
15   15   15   15   15   15   15   15				•					
				•					
The Proper   The Proper   The Proper   The Proper   The Property   The Property				•					
						ER-NR		65.6	
SOUND   SOUND MANUFACTION   2   1400	Impor								
0.000									
Second	5	400 kV	RANCHI-SIPAT			191		0.0	
Part									
Imagener   Imagener	7	220 kV	BUDHIPADAR-KORBA	2	133				
	Immor	ut/Ermout of ED (V	With CD			EK-WK	31.4	11.0	20.4
1   1000	_			2	300	n	7.6	0.0	76
Service   Marches   1						998		24.1	
	3	765 kV	ANGUL-SRIKAKULAM	2	0		0.0		-59.8
The part   Section   Part				2					
Imageneral Pageneral Pag	5	220 kV	DALIMELA-UPPER-SILERRU	1	0				
	Impo	rt/Export of FD (1	Vith NER)			EK-5K	/.0	03.7	-/0.4
Bay   ALFERICAS MONTANEAN   2   680   6   83   02   83				2	495	n	6.6	0.0	6.6
Import   NEW   With NO   1						0	1.9	0.0	1.9
				·	· —————	ER-NER	17.2	0.0	17.2
The color of the									
ImportExport of WR (With NR)	1	HVDC	BISWANATH CHARIALI-AGRA	2	235				
B NYPE   CHAPPACKERSINETEA   2   0   4905   0.0   0.5   0.5   0.25   0.25	_					NER-NR	3.3	2.1	1.2
BYPIC   VINDIACHALED   -   448				1	1				
3   Style   Mindra Andrew Definition   2   9   1984   0.0   3.1.6   3.1.0				_					
1   785   V									
1									
78   78   WALFORDER   1   692   9   162   09   162	5	765 kV	GWALIOR-PHAGI		700	1274	2.0	12.9	-10.8
1				2					
7.56   MANSKASTHA-CHITOGOGRIF   2				1					
10				•					
11   400   W   ZEDLA KNEROLI			VINDHYACHAL-VARANASI						
3	11	400 kV	ZERDA-KANKROLI	1	209	72	2.1	0.1	2.0
14   400 kV   RAPS-SILLALEFUR   2   466   368   2.8   1.8   0.9	12		ZERDA -BHINMAL			45	6.0		6.0
S   2204V   BIANFURA,RANTEK			_ :	1				1.0	
1					400				0.9
17   229 kV   MILANGE MALANE	15			1					***
132 kV		220 kV	BHANPURA-RANPUR	1 1	0	0	0.0	0.0	0.0
132 kV   RAGIGITALITPUR   C   0   0   0   0   0   0   0   0   0	16	220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1	0 0 104	0 30	0.0	0.0 2.7 0.0	0.0
The color of VR (Vith SR)	16 17 18	220 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1	0 0 104 76	0 30 0	0.0 0.0 1.2 0.7	0.0 2.7 0.0 0.0	0.0 -2.7 1.2 0.7
ImportExport of WR (With SR)	16 17 18 19	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1	0 0 104 76	0 30 0 0	0.0 0.0 1.2 0.7 0.0	0.0 2.7 0.0 0.0 0.0	0.0 -2.7 1.2 0.7 0.0
HYDC   BHADRAWATIEB	16 17 18 19	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1	0 0 104 76	0 30 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0	0.0 -2.7 1.2 0.7 0.0 0.0
A	16 17 18 19 20	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1	0 0 104 76	0 30 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0	0.0 -2.7 1.2 0.7 0.0 0.0
1	16 17 18 19 20	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 1	0 0 104 76 0	0 30 0 0 0 0 0 WR-NR	0.0 0.0 1.2 0.7 0.0 0.0 63.0	0.0 2.7 0.0 0.0 0.0 0.0 230.4	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4
S   400 kV   KOHAPUR-KUROT   2   1440   0   24.8   0.0   24.8	16 17 18 19 20 Impor	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B	1 1 1 1 2	0 0 104 76 0 0	0 30 0 0 0 0 0 WR-NR	0.0 0.0 1.2 0.7 0.0 0.0 63.0	0.0 2.7 0.0 0.0 0.0 0.0 230.4	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4
Column	16 17 18 19 20 Impor 1 2 3	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 154 kV 155 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 1 1 1 2 2	0 0 104 76 0 0	0 30 0 0 0 0 WR-NR 0 6024 1916	0.0 0.0 1.2 0.7 0.0 0.0 63.0	0.0 2.7 0.0 0.0 0.0 0.0 230.4	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3
7   220 KV   PONDA-AMBEWADH   1   0   124   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   0.0   2.4   2.4   2.5   2	16 17 18 19 20 Impor 1 2 3 4	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 155 kV 155 kV 165 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 1 2 2	0 0 104 76 0 0 993 0 850	0 30 0 0 0 0 WR-NR 0 6024 1916 3038	0.0 0.0 1.2 0.7 0.0 0.0 63.0	0.0 2.7 0.0 0.0 0.0 0.0 230.4	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3
NEPAL   SELDEM-AMBEWADI   1   0   124   2.4   0.0   2.4   0.0   2.4   0.0   0.6	16 17 18 19 20 Impor 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14VDC HVDC HVDC 765 kV 400 kV	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	1 1 1 2 2 2 2 2 2 2 2	0 0 104 76 0 0 993 0 850 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8	0.0 2.7 0.0 0.0 0.0 0.0 230.4 0.0 75.9 10.9 49.3 0.0	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3 24.8
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MU)	16 17 18 19 20 Impor 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC HVDC HVDC 765 kV 400 kV 220 kV	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	1 1 1 2 2 2 2 2 2 2 2 2 2	0 0 104 76 0 0 0 993 0 850 0 1440	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8	0.0 2.7 0.0 0.0 0.0 0.0 230.4 0.0 75.9 10.9 49.3 0.0	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3 24.8 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MID)	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC HVDC 765 kV 765 kV 400 kV 220 kV	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	1 1 1 2 2 2 2 2 2 2 2 2 2	993 0 850 0 1440 0 2	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0 230.4 0.0 75.9 10.9 49.3 0.0 0.0	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MID)	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC HVDC 765 kV 765 kV 400 kV 220 kV	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	1 1 1 2 2 2 2 2 2 2 2 2 2	993 0 850 0 1440 0 2	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4
BHUTAN   ER   400kV MANGDECHU   579   154   355   8.52	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 155 kV 155 kV 165 kV 16	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 2 2 2 2 2 2 2 2 2 1 1	993 0 850 0 1440 0 2 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0 230.4 0.0 75.9 10.9 49.3 0.0 0.0 0.0	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8
BHUTAN   ER	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	1	0 0 104 76 0 0 0 993 0 850 0 1440 0 2 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 24.8 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4 10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve)
HEP 4 180MW)	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	1	0 0 104 76 0 0 0 993 0 850 0 1440 0 2 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 24.8 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange
BHUTAN  ER MALBASE - BINAGURI L. BINAGURI RECEIPT (from TALA HEP 6*170MW)  2200 V HIVEHA - BINAGURI RECEIPT (from TALA HEP 6*170MW)  2200 V HIVEHA - BINAGURI RECEIPT (from TALA HEP 6*170MW)  2200 V HIVEHA - BINAGURI RECEIPT (from TALA HEP 6*170MW)  2200 V HIVEHA - BINAGURI RECEIPT (from TALA HEP 6*170MW)  NER 132kV GELEPHU-SALAKATI -15 0 -2 -0.05  NER 132kV GELEPHU-SALAKATI -15 0 -2 -0.05  NER 132kV MOTANGA-RANGIA -31 -4 -17 -0.41  NR 132kV MOTANGA-RANGIA -31 -4 -17 -0.41  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) -72 0 -51 -1.23  NEPAL ER NEPAL IMPORT (FROM BIHAR) -21 0 -12 -0.29  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 333 -33 -279 6.69  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	0 0 104 76 0 0 0 993 0 850 0 1440 0 2 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII)
BHUTAN   ER   MALBASE - BINGPARA 182 (& 220kV   123   114   -23   -0.55	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	0 0 104 76 0 0 0 993 0 850 0 1440 0 2 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII)
BHUTAN   ER	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	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)	0 0 104 76 0 0 0 850 0 1440 0 2 0 CHANGES Name	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII)
BHUTAN   ER   MALBASE - BIRPARA ) i.e. BIRPARA PECEIPT   123   -114   -23   -0.55	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	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	1 1 1 2 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	0 0 104 76 0 0 0 0 993 0 850 0 1440 0 2 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MU) 8.52
NER   132kV GELEPHU-SALAKATI   -15   0   -2   -0.05	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV 165 kV 165 kV 220 kV 220 kV	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	1 1 1 2 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 RECEIPT (from TALA H	0 0 104 76 0 0 0 0 993 0 850 0 1440 0 2 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU (1,2,4 (& 400kV)) i.e. BINAGURI EP 6*170MW)	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MU) 8.52
NER   132kV GELEPHU-SALAKATI   -15   0   -2   -0.05	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	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	1	0 0 104 76 0 0 0 109 393 0 850 0 1440 0 2 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGBECHU [1,2,4 (& 400kV)] i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV	0 30 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52
NER   132kV MOTANGA-RANGIA   -31   -4   -17   -0.41	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	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	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52
NER   132kV MOTANGA-RANGIA   -31   -4   -17   -0.41	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	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	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52
NR   132kV MAHENDRANAGAR-TANAKPUR(NHPC)   .72   0   .51   .1.23	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70
NR   132kV MAHENDRANAGAR-TANAKPUR(NHPC)   .72   0   .51   .1.23	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70
NEPAL ER NEPAL IMPORT (FROM BIHAR) -21 0 -12 -0.29  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 333 -33 279 6.69  ER BHERAMARA B/B HVDC (B'DESH) -928 -749 -896 -21.50  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 ER	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 850 0 1440 0 2 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV I.e. BIRPARA RECEIPT 4MW) KATI	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR  Max (MW) 579 1046	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55
NEPAL ER NEPAL IMPORT (FROM BIHAR) -21 0 -12 -0.29  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 333 -33 279 6.69  ER BHERAMARA B/B HVDC (B'DESH) -928 -749 -896 -21.50  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 ER	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 850 0 1440 0 2 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV I.e. BIRPARA RECEIPT 4MW) KATI	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR  Max (MW) 579 1046	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55
NEPAL ER NEPAL IMPORT (FROM BIHAR) -21 0 -12 -0.29  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 333 -33 279 6.69  ER BHERAMARA B/B HVDC (B'DESH) -928 -749 -896 -21.50  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 ER	1	0 0 104 76 0 0 0 0 0 0 0 0 0 0 0 0 0 850 0 1440 0 2 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV I.e. BIRPARA RECEIPT 4MW) KATI	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR  Max (MW) 579 1046	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 333 -33 279 6.69  ER BHERAMARA B/B HVDC (B'DESH) -928 -749 -896 -21.50  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 ER NER	TERNATIONAL EXO  2 2 2 2 2 2 2 2 1 1 1  TERNATIONAL EXO  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-SALA)	0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 1440 0 2 0 1440 0 12 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1,2,4 (& 400k	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR Max (MW) 579 1046	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203 -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 333 -33 279 6.69  ER BHERAMARA B/B HVDC (B'DESH) -928 -749 -896 -21.50  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 ER NER	TERNATIONAL EXO  2 2 2 2 2 2 2 2 1 1 1  TERNATIONAL EXO  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-SALA)	0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 1440 0 2 0 1440 0 12 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1,2,4 (& 400k	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR Max (MW) 579 1046	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203 -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55
BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) .928 .749 .896 .21.50	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	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 IN Region ER ER  NER NER	2 2 2 2 2 2 2 2 2 2 1 1 1  TERNATIONAL EXC    10	0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 8850 0 1440 0 2 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1,2,4 (& 400kV 1	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR  Max (MW) 579 1046 123 -15 -31	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41
BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) .928 .749 .896 .21.50	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	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 IN Region ER ER  NER NER	2 2 2 2 2 2 2 2 2 2 1 1 1  TERNATIONAL EXC    10	0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 8850 0 1440 0 2 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1,2,4 (& 400kV 1	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR  Max (MW) 579 1046 123 -15 -31	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41
BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) .928 .749 .896 .21.50	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	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 IN Region ER ER  NER NER	2 2 2 2 2 2 2 2 2 2 1 1 1  TERNATIONAL EXC    10	0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 8850 0 1440 0 2 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1,2,4 (& 400kV 1	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 124 WR-SR  Max (MW) 579 1046 123 -15 -31	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -779  -687  -744  -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	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 IN Region ER ER  NER NER NER		0 0 104 76 0 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 0 CHANGES Name CHANGES Name 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	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 124 WR-SR  Max (MW)  579 1046 123 -15 -31 -72	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114  0  -4	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -779  -687  -744  -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	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 IN Region ER ER  NER NER NER		0 0 104 76 0 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 0 CHANGES Name CHANGES Name 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	0 30 0 0 0 0 0 WR-NR 0 6024 1916 3038 0 0 0 124 WR-SR  Max (MW)  579 1046 123 -15 -31 -72	0.0 0.0 1.2 0.7 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114  0  -4	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23
BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA 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  NER  NER  ER  ER		0 0 104 76 0 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 0 CHANGES Name 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)	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154 203 -114 0 -4 0 -4 0 -33	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MU) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29
BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -779 -687 -744 -17.85	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA 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  NER  NER  ER  ER		0 0 104 76 0 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 0 CHANGES Name 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)	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154 203 -114 0 -4 0 -4 0 -33	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29
(Isolated from Indian Grid)	16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV  14VDC HVDC 765 kV 400 kV 220 kV 220 kV State	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI  IN Region  ER  ER  NER  NER  NER  ER  ER  ER		0 0 104 76 0 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 0 CHANGES Name 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)	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 63.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154 203 -114 0 -4 0 -4 0 -33	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8 +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29
NER         132kV COMILLA-SURAJMANI NAGAR 1&2         162         0         -163         -3.92	16 17 18 19 20 Import 1 2 3 4 5 6 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV  14VDC HVDC HVDC 765 kV 400 kV 220 kV 220 kV  220 kV  240 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI  IN Region ER ER  ER  NER  NER  ER  ER  ER  ER		0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 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. BERPARA RECEIPT 14MW) KATI GIA CAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 0.0 63.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114  0  -4  0  0  -33	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51 -12 279 -896	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29 6.69
NER         132kV COMILLA-SURAJMANI NAGAR 1&2         162         0         -163         -3,92	16 17 18 19 20 Import 1 2 3 4 5 6 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV  14VDC HVDC HVDC 765 kV 400 kV 220 kV 220 kV  220 kV  240 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI  IN Region ER ER  ER  NER  NER  ER  ER  ER  ER		0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 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. BERPARA RECEIPT 14MW) KATI GIA CAR-TANAKPUR(NHPC) 1 BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 0.0 63.0 63.0 10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114  0  -4  0  0  -33	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23 -2 -17 -51 -12 279 -896	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29 6.69
	16 17 18 19 20 Import 1 2 3 4 5 6 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State  BHUTAN	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER  ER  ER  ER  ER  ER  E		0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 2 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 34MW) KATI GIA CAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114  0  -4  0  0  -33  -749	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23  -2  -17  -51  -12  279  -896	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29 6.69 -21.50
	16 17 18 19 20 Import 1 2 3 4 5 6 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14 Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State  BHUTAN	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER  ER  ER  ER  ER  ER  E		0 0 104 76 0 0 0 104 76 0 0 0 0 850 0 850 0 1440 0 2 2 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 34MW) KATI GIA CAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 0.7 0.0 0.0 0.0 63.0  10.4 0.0 1.6 0.0 24.8 0.0 0.0 2.4 39.2  Min (MW)  154  203  -114  0  -4  0  0  -33  -749	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 230.4  0.0 75.9 10.9 49.3 0.0 0.0 0.0 136.0  Import( Avg (MW)  355  488  -23  -2  -17  -51  -12  279  -896	0.0 -2.7 1.2 0.7 0.0 0.0 -167.4  10.4 -75.9 -9.3 -49.3 24.8 0.0 0.0 2.4 -96.8  +ve)/Export(-ve) Energy Exchange (MII) 8.52  11.70 -0.55 -0.05 -0.41 -1.23 -0.29 6.69 -21.50