

## **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

दिनांक: 24<sup>th</sup> June 2023

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

1. कार्यकारी निदेशक, पु.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., एफ ३-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –४०००९३ Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093

4. कार्यकारी निदेशक, ऊ. प्. 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 23.06.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक २३-जून-२०२३ 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 23<sup>rd</sup> June 2023, is available at the NLDC website.

धन्यवाद.

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



Date of Reporting: 24-Jun-2023

Report for previous day

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	76072	58647	45785	26333	2984	209821
Peak Shortage (MW)	0	25	0	147	28	200
Energy Met (MU)	1719	1436	1101	577	57	4889
Hydro Gen (MU)	395	40	42	103	30	610
Wind Gen (MU)	46	118	178	-	-	342
Solar Gen (MU)*	140.06	46.94	95.22	2.36	1.01	286
Energy Shortage (MU)	0.73	0.68	0.00	1.72	1.20	4.33
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	77341	63432	51560	27647	3131	215938
Time Of Maximum Demand Met	22:55	14:58	11:54	23:15	19:18	14:59

B. Frequency Profile (%)
Region
All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05

Region	States	Max.Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU
	Puniab	15237	0	339.8	201.8	-1.2	98	0.00
	Haryana	11500	0	249.6	185.0	-5.0	0	0.15
	Rajasthan	13819	0	303.1	77.2	-4.9	257	0.00
	Delhi	6933	0	143.3	129.8	-2.6	116	0.00
NR	UP	25564	0	528.3	257.2	-1.4	239	0.00
	Uttarakhand	2436	0	53.4	25.8	-2.0	54	0.02
	HP	1591	0	33.7	-4.5	-0.3	130	0.11
	J&K(UT) & Ladakh(UT)	2589	50	55.8	27.3	2.9	245	0.45
	Chandigarh	366	0	7.5	7.8	-0.4	59	0.00
	Railways NR ISTS	191	0	4.2	3.3	0.8	48	0.00
	Chhattisgarh	4446	116	99.7	53.0	-1.6	470	0.26
	Gujarat	19097	0	416.3	185.7	-1.6	761	0.00
	MP	10551	0	231.1	112.7	-3.5	641	0.00
WR	Maharashtra	27008	0	613.4	231.1	-2.1	616	0.09
	Goa	647	0	14.4	14.2	-0.4	104	0.33
	DNHDDPDCL	1307	0	30.5	30.8	-0.3	50	0.00
	AMNSIL	817	0	17.7	7.1	0.4	314	0.00
	BALCO	523	0	12.4	12.4	0.0	9	0.00
	Andhra Pradesh	9704	0	211.6	56.7	-1.0	610	0.00
	Telangana	9897	0	198.1	88.9	-0.4	634	0.00
SR	Karnataka	12511	0	241.7	71.3	-1.8	813	0.00
	Kerala	4029	0	82.1	66.7	1.1	363	0.00
	Tamil Nadu	16465	0	356.9	151.3	-5.5	449	0.00
	Puducherry	449	0	10.2	9.9	-0.5	42	0.00
	Bihar	6749	0	136.0	132.0	-2.4	373	1.28
	DVC	3569	0	78.3	-49.7	0.4	338	0.00
	Jharkhand	1798	147	36.7	29.1	-0.9	308	0.44
ER	Odisha	5415	0	110.3	42.3	-2.2	472	0.00
	West Bengal	10247	0	214.2	78.9	-1.7	318	0.00
	Sikkim	91	0	1.5	1.5	0.0	23	0.00
	Railways_ER ISTS	15	0	0.0	0.3	-0.2	4	0.00
	Arunachal Pradesh	143	0	2.7	2.4	0.1	64	0.00
	Assam	2010	0	36.9	29.5	0.9	200	0.00
	Manipur	180	0	2.4	2.4	0.0	17	0.00
NER	Meghalaya	315	13	4.8	1.4	-0.2	75	1.20
	Mizoram	109	0	1.8	1.6	-0.2	8	0.00
	Nagaland	151	0	2.7	2.4	-0.1	16	0.00
	Tripura	298	0	5.6	5.9	0.0	86	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Godda -> Bangladesh -17.9 -804.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	339.3	-231.5	49.4	-146.7	-10.5	0.0
Actual(MU)	303.2	-236.0	62.9	-130.2	-8.8	-8.9
O/D/U/D(MU)	-36.1	-4.4	13.5	16.6	1.6	-8.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	485	7490	4998	1810	455	15238	41
State Sector	4215	11094	4858	1610	240	22017	59
Total	4700	18584	9856	3420	695	37254	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	811	1480	645	659	14	3609	69
Lignite	30	17	58	0	0	104	2
Hydro	395	40	42	103	30	610	12
Nuclear	29	45	51	0	0	125	2
Gas, Naptha & Diesel	46	53	7	0	28	134	3
RES (Wind, Solar, Biomass & Others)	191	166	296	3	1	657	13
Total	1502	1801	1099	765	73	5239	100
Share of RES in total generation (%)	12.75	9.21	26.93	0.38	1.39	12.57	1
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.96	13.92	35.40	14.14	42.56	26.64	

H. All India Demand Diversity Factor Based on Regional Max Demands Based on State Max Demands 1.033 1.059

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

 Max Demand Met(MW)
 Time

 Solar hr
 215938
 14:59

 Non-Solar hr
 212944
 22:50
 Shortage(MW) Solar hr Non-Solar hr 116

Diversity factor = Sum of regional or state maximum demands / All India maximum demand
\*\*Note: All generation MU figures are gross
\*\*Godda (Jahrkhand) - Sangaldesh 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: 24-Jun-2023

	Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	24-Jun-2023 NET (MU)
1		Ü		No. or Circuit	Max import (MW)	Max Export (MW)	import (MC)	Export (MC)	NET (MC)
				2	0	1000	0.0	18.4	-18.4
1			PUSAULI B/B	-		97			-2.3
1			SASARAM-FATEHPUR						
1			GAYA-BALIA	1					
1	7	400 kV	PUSAULI -ALLAHABAD	1		82		0.7	
1		400 kV	MUZAFFARPUR-GORAKHPUR						
1			NAUBATPUR-BALIA						
1		400 kV	BIHARSHARIFF-BALIA						
1		400 KV 400 KV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2 2					
1.0   1.0	14	220 kV	SAHUPURI-KARAMNASA	1	0	150	0.0		-2,2
1   1514   SAMESHANAN CANADATUR   1   6   61   65   65   65   65   65				1					
Depart   T.   F.   Wild Will	17	132 kV	KARMANASA-SAHUPURI	1	0	64	0.0		0.0
Import   I	18	132 kV	KARMANASA-CHANDAULI	1	0				
1   1542   MARKETOLOSHIALAMAN   2   2   2   145   46   46   445   45   45   45   45	Impor	rt/Export of ER (V	Vith WR)			ER-M	0.5	103.7	-105.2
Total   Tota	1	765 kV	JHARSUGUDA-DHARAMJAIGARH						
Description of the Control of the									
1	4	400 kV	JHARSUGUDA-RAIGARH		0	409	0.0	5.3	-5.3
1									
				•		0		0.0	
HINDE   HATOMERICAN NAME   3   9   431   92   74   7-4						ER-WR	34.9	10.6	24.2
				1 2		442	0.0	7.4	7.4
1   100	2	HVDC	TALCHER-KOLAR BIPOLE	2				32.8	-32.8
Description of the property	3		ANGUL-SRIKAKULAM						
The property of ER (Wish NER)			BALIMELA-UPPER-SILERRU	1					
BORDER SHOWER SHEWARD SHEADON   2   131   502   145   532   -34   534   545									
1		rt/Export of ER (V	With NER)		***	200		22	20
Description   1999									
Import Face   NEW   NEW   NEW						106	0.0	0.6	-0.6
BINDER   B	ļ	-t/E	(WALND)			ER-NER	0.4	3.9	-3.5
Description   West   With NR    Compared	Impor		(With NR)	,	0	702	0.0	13.1	-13.1
		111100	DAY VATH CHARIALFAURA		J				
2   NYDE   VINDIACIDAL BB	Impor								
3   HYDC   MUNDRA-GORINDREABER   2   598   0   0.5   5.3   5.9			CHAMPA-KURUKSHETRA	2					
A   756 W   COWALDOPLACIEA   2   293   2588   0.3   33.1   3.37   3.57   3.58				2					
B			GWALIOR-AGRA		293				
7   758 KI   GWALDROMAI									
9   7654X	7	765 kV	GWALIOR-ORAI	ī	580	0	9.7	0.0	9.7
10   7654X   YEDDYACRIAL-YARANNS    2   9   3852   0.0   65.9   55.0   55.0			SATNA-ORAI	1					
11   4809				2					
13   400 kV   VINDIYACINAL-RIRAND   1   901   0   21.5   0.0   21.5	11	400 kV	ZERDA-KANKROLI	1		108	3.0		2.7
14				1					
16   229 kV   SHRANPERAMORAK	14	400 kV	RAPP-SHUJALPUR		445	531	3.1	3.3	-0.2
1									
1   132 kV   RAGIGIA-LALITUR	17		MEHGAON-AURAIYA						1.2
1324 W RAJGHACLALITPUR		220 kV	MALANPUR-AURAIYA	1					
WR-NR   60,8   266.6   -205.8		132 kV	RAIGHAT-LALITPUR	1				0.0	
1   BIVDC   BHADRAWATI BB   -   0   305   0.0   7.2   7.2				2				0.0	0.0
2   BIVDC   RAIGARR-PUGALUR   2   0   \$503   0.0   26.8   -26.8   -26.8   3   765 kV   SOLARIPERACIFUR   2   1929   1713   16.9   3.7   13.2   4   765 kV   SOLARIPERACIFUR   2   1929   1713   16.9   3.7   13.2   4   765 kV   SOLARIPERACIFUR   2   192   2689   0.1   26.1   -26				2			60.8		
3   765 kV   MAPUR-RAICHUR   2   1929   1713   16.9   3.7   13.2			With SR)	2		WR-NR		266.6	-205.8
S   400 kV   KOLHAPUR-KUDGI   2   1556   0   28.5   0.0   28.5	-	HVDC	With SR) BHADRAWATI B/B	-		WR-NR	0.0	7.2	-205.8 -7.2
Color   Colo		HVDC HVDC 765 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2 2	0 1929	WR-NR  305 3503 1713	0.0 0.0 16.9	266.6 7.2 26.8 3.7	-205.8 -7.2 -26.8 13.2
STATE   STAT	4	HVDC HVDC 765 kV 765 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2 2 2	0 1929 102	WR-NR  305 3503 1713 2689	0.0 0.0 16.9 0.1	266.6  7.2  26.8  3.7  26.1	-205.8 -7.2 -26.8 13.2 -26.1
INTERNATIONAL EXCHANGES	4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI	2 2 2 2 2	0 1929 102 1556 0	WR-NR  305 3503 1713 2689 0 0	0.0 0.0 16.9 0.1 28.5 0.0	266.6  7.2  26.8  3.7  26.1  0.0  0.0	-205.8 -7.2 -26.8 13.2 -26.1 28.5 0.0
INTERNATIONAL EXCHANGES	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 1	0 1929 102 1556 0	WR-NR  305 3503 1713 2689 0 0	0.0 0.0 16.9 0.1 28.5 0.0	266.6  7.2  26.8  3.7  26.1  0.0  0.0	-205.8  -7.2 -26.8 13.2 -26.1 28.5 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange   Max (MW)   Energy Exchange	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 1	0 1929 102 1556 0	WR-NR  305 3503 1713 2689 0 0 109	0.0 0.0 16.9 0.1 28.5 0.0 0.0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0	-205.8  -7.2 -26.8 13.2 -26.1 28.5 0.0 1.0
State   Region   A60kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e.	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 1	0 1929 102 1556 0 2 1	WR-NR  305 3503 1713 2689 0 0 109	0.0 0.0 16.9 0.1 28.5 0.0 0.0	266.6  7.2  26.8  3.7  26.1  0.0  0.0  0.0  63.9	-205.8  -7.2 -26.8 13.2 -26.1 28.5 0.0 0.0 1.0 -17.4
ER	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATTER BHADRAWATTER RAÑCARIF-PUGALUR SOLATUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-HIKODI PONDAAMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1	0 1929 102 1556 0 2 1	WR-NR  305 3503 1713 2689 0 0 0 WR-SR	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5	266.6  7.2  26.8  3.7  26.1  0.0  0.0  0.0  63.9  Import(	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -+ve)/Export(-ve) Energy Exchange
HEP 4*180MW    A   A   A   B   A   B   A   B   B	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATTER BHADRAWATTER RAÑCARIF-PUGALUR SOLATUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-HIKODI PONDAAMBEWADI XELDEM-AMBEWADI		0 1929 102 1556 0 2 1 1	WR-NR  305 3503 1713 2689 0 0 0 WR-SR	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5	266.6  7.2  26.8  3.7  26.1  0.0  0.0  0.0  63.9  Import(	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -+ve)/Export(-ve) Energy Exchange
BHUTAN   ER   MALBASE - BINAGURI BENAGURI   752   475   628   15.06	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	- 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line:	0 1929 102 1556 0 2 1 1 CHANGES Name	WR-NR  305 3503 1713 2689 0 0 0 WR-SR	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -1.7.4 -+ve)/Export(-ve) Energy Exchange (MII)
RECEIPT (from TALA PIRP AP 6 170 mW)   220 w CHAILASE   116   120 w CHAILASE   116   120 w CHAILASE   116	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	- 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line: 400kV MANGDECHHU- ALPURDUAR RECEIP!	0 1929 102 1556 0 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 Le.	WR-NR  305 3503 1713 2689 0 0 0 WR-SR	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -1.7.4 -+ve)/Export(-ve) Energy Exchange (MII)
BHUTAN   ER   MALBASE - BIRPARA) i.e. BIRPARA RECEIPT   80   26   48   1.16     NER   132kV GELEPHU-SALAKATI   -20   0   -9   -0.22     NER   132kV MOTANGA-RANGIA   -48   -16   -33   -0.78     NR   132kV MAHENDRANAGAR-TANAKPUR(NHPC)   0   0   0   0   -1.15     NEPAL   ER   NEPAL IMPORT (FROM BIHAR)   -49   0   -11   -0.27     ER   400kV DHALKEBAR-MUZAFFARPUR 1&2   399   188   263   6.32     ER   BHERAMARA B/B HVDC (B'DESH)   -931   -794   -906   -21.74     BANGLADESH   ER   (Isolated from Indian Grid)   400kV GODDA_TPS-RAHANPUR (B'DESH) D/C   -804   -687   -748   -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 1 1 1 1  TERNATIONAL EXC Line: 400kV MANGDER CEUPHEP 4*180MW) 400kV TALABINAGURI	0 1929 102 1556 0 2 1 1 CHANGES Name ALIPURDUAR 1,2&3 Le. (from MANGBECHU 11,2,4 (& 400kV	WR-NR  305 3893 1713 2689 0 0 109 WR-SR  Max (MW)  573	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5 Min (MW)	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 4.0 0.0  Import( Avg (MW)  444	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -1.0  -17.4  -+ve)/Export(-ve)  Energy Exchange  (MII)  10.65
NER   132kV GELEPHU-SALAKATI   -20   0   -9   -0.22	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line: 400kV MANGDER CEUP) HEP 4*180MVN 400kV TALA-BINAGURI MALBASE F- BINAGURI MALBASE F- BINAGURI	0 1929 102 102 1556 0 1 2 1 1 CHANGES Name ALIPURDUAR 1,2&3 Le. (from MANGES LIU 11,2,4 (& 400kV) 1,6 EBNAGURI 11,2,4 (& 400kV)	WR-NR  305 3893 1713 2689 0 0 109 WR-SR  Max (MW)  573	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5 Min (MW)	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 4.0 0.0  Import( Avg (MW)  444	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -1.0  -17.4  -+ve)/Export(-ve)  Energy Exchange  (MII)  10.65
NER   132kV GELEPHU-SALAKATI   -20   0   -9   -0.22	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI 400kV TALA-BINAGUR RECEIPT (from TALA H RECEIPT (from TALA)	0 1929 102 102 1556 0 0 1 1  CHANGES  Name ALIPURDUAR 1,2&3 Le. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MV) RA 1&2 (& 220kV	WR-NR  305 3503 3503 1713 2689 0 0 109 WR-SR  Max (MW) 573	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5 Min (MW)	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 63.9  Import( Avg (MW)  444	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -1.0 -17.4
NER 132kV MOTANGA-RANGIA -48 -16 -33 -0.78  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) 0 0 0 0 .1.15  NEPAL ER NEPAL IMPORT (FROM BIHAR) -49 0 -11 -0.27  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) -931 -794 -906 -21.74  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -804 -687 -748 -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1929 1929 102 1556 0 1 1 1 CHANGES Name ALIPURDUAR 1.2&3 i.e. (from MANGDECHU 1.1.2.4 (& 490kV) R.1 & 1.2 (& 220kV) & 1.2 & 220kV   2.e. & BIRPARA RECEIPT	WR-NR  305 3503 3503 1713 2689 0 0 109 WR-SR  Max (MW) 573	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5 Min (MW)	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 63.9  Import( Avg (MW)  444	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -1.0 -17.4
NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) 0 0 0 0 -1.15  NEPAL ER NEPAL IMPORT (FROM BIHAR) .49 0 .11 .0.27  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) .931 .794 .906 .21.74  BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C .804 .687 .748 .17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOLHAPURR-RUDGI KOLHAPURC-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER ER ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGBECHHU- ALPURDUAR RECEIPT (FROM TALA H 220kV CHUKHA-BIRNA MALBASE - BIRNAGUR MALBASE - BIRNAGUR MALBASE - BIRNAGUR (FROM TALA H 200kV CHUKHA-BIRNA) (FROM CHUKHA-BIRNA) (FROM CHUKHA-BIRNA)	0 1929 1929 102 1556 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 Le. ( (from MANGDECHU 1,2,4 (& 400kV 1) Le, BINAGURI EP 6+170AUV RA 1&2 (& 220kV Le, BIRPARA RECEIPT 4MW)	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5 Min (MW)	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 4.0 53.9  Import( Avg (MW)  444  628	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06
NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) 0 0 0 0 -1.15  NEPAL ER NEPAL IMPORT (FROM BIHAR) .49 0 .11 -0.27  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) .931 .794 .906 .21.74  BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C .804 .687 .748 .17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOLHAPURR-RUDGI KOLHAPURC-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER ER ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGBECHHU- ALPURDUAR RECEIPT (FROM TALA H 220kV CHUKHA-BIRNA MALBASE - BIRNAGUR MALBASE - BIRNAGUR MALBASE - BIRNAGUR (FROM TALA H 200kV CHUKHA-BIRNA) (FROM CHUKHA-BIRNA) (FROM CHUKHA-BIRNA)	0 1929 1929 102 1556 0 1 1 CHANGES Name ALIPURDUAR 1,2&3 Le. ( (from MANGDECHU 1,2,4 (& 400kV 1) Le, BINAGURI EP 6+170AUV RA 1&2 (& 220kV Le, BIRPARA RECEIPT 4MW)	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752	0.0 0.0 16.9 0.1 28.5 0.0 0.0 1.0 46.5 Min (MW)	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 4.0 53.9  Import( Avg (MW)  444  628	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06
NEPAL ER NEPAL IMPORT (FROM BHAR) .49 0 .11 .0.27  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) .931 .794 .906 .21.74  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C .804 .687 .748 .17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line: 400k MANGDECHHU:	0 1929 1929 102 1556 0 0 1 1  CHANGES  Name ALIPURDUAR 1,2,8,3 Le. (from MANGDECHU 11,2,4 (& 400kV 0) te. BINAGURI EP 6+170MW) KATI  KATI	WR-NR  305 3503 1713 2689 0 0 0 109 WR-SR  Max (MW)  573  752  80	0.0 0.0 0.0 16.9 0.1 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628	-205.8  -7.2 -26.8 -13.2 -26.1 -13.2 -26.1 -28.5 -0.0 -1.0 -17.4  +ve)/Export(-ve) Energy Exchange (MII) -10.65  -15.06  -1.16 -0.22
NEPAL ER NEPAL IMPORT (FROM BHAR) .49 0 .11 .0.27  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) .931 .794 .906 .21.74  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C .804 .687 .748 .17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line: 400k MANGDECHHU:	0 1929 1929 102 1556 0 0 1 1  CHANGES  Name ALIPURDUAR 1,2,8,3 Le. (from MANGDECHU 11,2,4 (& 400kV 0) te. BINAGURI EP 6+170MW) KATI  KATI	WR-NR  305 3503 1713 2689 0 0 0 109 WR-SR  Max (MW)  573  752  80	0.0 0.0 0.0 16.9 0.1 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628	-205.8  -7.2 -26.8 -13.2 -26.1 -13.2 -26.1 -28.5 -0.0 -1.0 -17.4  +ve)/Export(-ve) Energy Exchange (MII) -10.65  -15.06  -1.16 -0.22
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) -931 .794 -906 -21.74  BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -804 -687 .748 -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOH HAPUR-RUDGI KOH HAPUR-RUDGI KOH HAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER NER	2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT (INDIA) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN (IFOM CHUKHA-BIRPA 132kV GELEPHU-SALAI 132kV MOTANGA-RANC	0 1929 1929 102 102 1556 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 4.0 53.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06  1.16  -0.22
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 399 188 263 6.32  ER BHERAMARA B/B HVDC (B'DESH) -931 .794 -906 -21.74  BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -804 -687 .748 -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOH HAPUR-RUDGI KOH HAPUR-RUDGI KOH HAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER NER	2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT (INDIA) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN (IFOM CHUKHA-BIRPA 132kV GELEPHU-SALAI 132kV MOTANGA-RANC	0 1929 1929 102 102 1556 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 4.0 53.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06  1.16  -0.22
ER BHERAMARA B/B HVDC (B'DESH) -931 -794 -906 -21.74  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -804 -687 -748 -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOH HAPUR-RUDGI KOH HAPUR-RUDGI KOH HAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER NER	2 2 2 2 2 2 1 1 1  TERNATIONAL EXC Line: 400kV MANGDECHHU- 400kV MANGDECHHU- 400kV MANGDECHHU- 400kV ALA BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	0 1929 1929 102 10556 0 0 2 1 1  CHANGES  Name ALIPURDUAR 1.2&3 Le. F (from MANGDECHU 11.2.4 (& 400K') 0) ie. BINAGURI EP 6*170MW) KARTARAR RECEIPT 4MW)  KATI GIA  GIA  GIA  GIA  GIA  GIA  GIA  G	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06  1.16  -0.22
ER BHERAMARA B/B HVDC (B'DESH) -931 -794 -906 -21.74  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -804 -687 -748 -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B/B RAIGARII-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER	2 2 2 2 2 2 1 1 1  TERNATIONAL EXC Line: 400kV MANGDECHHU- 400kV MANGDECHHU- 400kV MANGDECHHU- 400kV ALA BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	0 1929 1929 102 10556 0 0 2 1 1  CHANGES  Name ALIPURDUAR 1.2&3 Le. F (from MANGDECHU 11.2.4 (& 400K') 0) ie. BINAGURI EP 6*170MW) KARTARAR RECEIPT 4MW)  KATI GIA  GIA  GIA  GIA  GIA  GIA  GIA  G	WR-NR  305 3503 1713 2689 0 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48	0.0 0.0 0.0 16.9 0.1 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325  475 26 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -+ve)/Export(-ve) Energy Exchange (MII) -10.65 -1.16 -0.22 -0.78
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -804  -687  -748  -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B/B RAIGARII-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER	2 2 2 2 2 2 1 1 1  TERNATIONAL EXC Line: 400kV MANGDECHHU- 400kV MANGDECHHU- 400kV MANGDECHHU- 400kV ALA BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) 132kV GELEPHU-SALAI 132kV GELEPHU-SALAI 132kV MOTANGA-RANG	0 1929 1929 102 10556 0 0 2 1 1  CHANGES  Name ALIPURDUAR 1.2&3 Le. F (from MANGDECHU 11.2.4 (& 400K') 0) ie. BINAGURI EP 6*170MW) KARTARAR RECEIPT 4MW)  KATI GIA  GIA  GIA  GIA  GIA  GIA  GIA  G	WR-NR  305 3503 1713 2689 0 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48	0.0 0.0 0.0 16.9 0.1 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325  475 26 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -+ve)/Export(-ve) Energy Exchange (MII) -10.65 -1.16 -0.22 -0.78
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -804  -687  -748  -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOH HAPUR-RUDGI KOH HAPUR-RUDGI KOH HAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region ER ER ER  ER NER NER NER	2 2 2 2 2 1 1 TERNATIONAL EXC Line 300kV MANGDECHHU- ALIPURDUAR RECEIPT (INDA MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN (IFOM CHUKHA-BIRPA 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 1929 102 102 1556 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0 -16	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06  1.16  -0.22  -0.78  -1.15
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C  -804  -687  -748  -17.95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARII-PUGALUR SOLATURRAGUTUR WARDHA-NIZAMABAD KOH HAPUR-RUDGI KOH HAPUR-RUDGI KOH HAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER  NER  NER	2 2 2 2 2 1 1 TERNATIONAL EXC Line 300kV MANGDECHHU- ALIPURDUAR RECEIPT (INDA MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN (IFOM CHUKHA-BIRPA 132kV GELEPHU-SALA) 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 1929 102 102 1556 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0 -16	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -10  -17.4  -+ve)/Export(-ve)  Energy Exchange (MII)  10.65  15.06  1.16  -0.22  -0.78  -1.15
BANGLADESH (Isolated from Indian Grid) 400KV GODDA_1175-KAHANYUK (B DESH) D/C 4-804 4-88/ -/46 -1//95	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B-B RAIGARII-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER	2 2 2 2 2 2 1 1 1 1  IERNATIONAL EXC  Line: 400kV MANGDECHINE 400kV MANGDECHINE 400kV MANGDECHINE 400kV TILA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN 400kV TILKHA-BIRPA 132kV GELEPHU-SALA: 132kV MOTANGA-RANG 132kV MOTANGA-RANG 400kV DHALKEBAR-MU	0 1929 102 105 105 0 2 1 1  CHANGES  Name ALIPURDUAR 1.2&3 Le. F (from MANGDECHU II.24 (& 400KV ) 1 LE BINAGURI EF 0°170AW, & AR 182 (& 270KV )  KASTI GIA  GAR-TANAKPUR(NHPC) 1 BIHAR)  I BIHAR)  UZAFFARPUR 1&2	WR-NR  305 3503 3503 1713 2689 0 0 0 109 WR-SR  Max (MW)  573  752  80  -20  -48  0  -49	0.0 0.0 0.0 16.9 0.1 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325  475 26 0 -16 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33  0  -11	-205.8  -7.2 -26.8 -13.2 -26.1 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -+ve)/Export(-ve) Energy Exchange (MII)  10.65  15.06  1.16  -0.22  -0.78  -1.15
(Isolated from Indian Grid)	4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B-B RAIGARII-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER	2 2 2 2 2 2 1 1 1 1  IERNATIONAL EXC  Line: 400kV MANGDECHINE 400kV MANGDECHINE 400kV MANGDECHINE 400kV TILA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN 400kV TILKHA-BIRPA 132kV GELEPHU-SALA: 132kV MOTANGA-RANG 132kV MOTANGA-RANG 400kV DHALKEBAR-MU	0 1929 102 105 105 0 2 1 1  CHANGES  Name ALIPURDUAR 1.2&3 Le. F (from MANGDECHU II.24 (& 400KV ) 1 LE BINAGURI EF 0°170AW, & AR 182 (& 270KV )  KASTI GIA  GAR-TANAKPUR(NHPC) 1 BIHAR)  I BIHAR)  UZAFFARPUR 1&2	WR-NR  305 3503 3503 1713 2689 0 0 0 109 WR-SR  Max (MW)  573  752  80  -20  -48  0  -49	0.0 0.0 0.0 16.9 0.1 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325  475 26 0 -16 0	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9  -33  0  -11	-205.8  -7.2 -26.8 -13.2 -26.1 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -+ve)/Export(-ve) Energy Exchange (MII)  10.65  15.06  1.16  -0.22  -0.78  -1.15
NER 132kV COMILLA-SURAJMANI NAGAR 1&2 172 0 -158 -3.80	4 5 6 7 8	HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B-B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER  ER  ER  NER  NER  NER  NER  ER  ER	TERNATIONAL EXC  2 2 2 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT (INDEX 400KV TALA BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN (ITOM CHUKHA-BIRPA 132kV GELEPHU-SALAI 132kV MOTANGA-RAN 132kV MOTANGA-RAN 132kV MOTANGA-RAN NEPAL IMPORT (FROM 400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1929 1929 102. 1556 0 0 1 1  CHANGES  Name ALIPURDUAR 1,2&3 Le. (from NANGBECHU 11,24 (& 400kV 0) ie. BINAGURI EF 6*170MW) KATI GIA  GAR-TANAKPUR(NHPC) I BIHAR)  GIA  CHANGES  CHANG	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48 0 -49 399	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0 -16 0 188	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9 -33  0 -11 -263	-205.8  -7.2 -26.8 -13.2 -26.1 -13.2 -26.1 -28.5 -0.0 -0.0 -1.0 -17.4 -17.4 -ve)/Export(-ve) -energy Exchange (MI) -10.65 -15.06 -1.16 -0.22 -0.78 -1.15 -0.27 -6.32 -21.74
1/2 9 -130 -5,80	4 5 6 7 8	HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI B-B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER  ER  ER  NER  NER  NER  NER  ER  ER	TERNATIONAL EXC  2 2 2 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT (INDEX 400KV TALA BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGRAN (ITOM CHUKHA-BIRPA 132kV GELEPHU-SALAI 132kV MOTANGA-RAN 132kV MOTANGA-RAN 132kV MOTANGA-RAN NEPAL IMPORT (FROM 400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1929 1929 102. 1556 0 0 1 1  CHANGES  Name ALIPURDUAR 1,2&3 Le. (from NANGBECHU 11,24 (& 400kV 0) ie. BINAGURI EF 6*170MW) KATI GIA  GAR-TANAKPUR(NHPC) I BIHAR)  GIA  CHANGES  CHANG	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48 0 -49 399	0.0 0.0 0.0 16.9 16.9 0.1 28.5 0.0 0.0 1.0 46.5  Min (MW) 325 475 26 0 -16 0 188	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import( Avg (MW)  444  628  48  -9 -33  0 -11 -263	-205.8  -7.2  -26.8  -13.2  -26.1  -28.5  -0.0  -17.4  -17.4  -17.4  -17.4  -18.6  -19
	4 5 6 7 8	HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI BB RAIGARIF-PUGALUR SOLATUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI IN Region  ER  ER  ER  ER  ER  ER  ER  ER  ER  E	2 2 2 2 2 1 1 1 1  TERNATIONAL EXC Line: 400kV MANGBECHIN 400kV MANGBECHIN 400kV MANGBECHIN MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRAGUR MALBASE - BIRAGUR 132kV GHUKHA-BIRPA 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MI BHERAMARA B/B HVD 400kV GODDA_TPS-RAI	0 1929 102 105 105 0 2 1 1  CHANGES  Name ALIPURDIAR 1,2&3 Le. (from MANGDECHU 11,24 (& 400K) 0) Le BINAGURI EF 0+170MW) RA 1AZ (& 220K) Le. BIRPARA RECEIPT 4MW)  GAR-TANAKPUR(NHPC) 1 BIHAR)  CZAFFARPUR 1&2 CZAFFARPUR 1&2 CZAFFARPUR 1&2 CZAFFARPUR 1&2 CZ (B'DESH)	WR-NR  305 3593 1713 2689 0 0 109 WR-SR  Max (MW)  573 752 80 -20 -48 0 -49 399 -931	0.0 0.0 1.0 1.0 1.0 1.0 1.1 28.5 0.0 0.0 1.0 1.0 46.5  Min (MW)  325  475  26  0  -16  0  188  -794	266.6  7.2 26.8 3.7 26.1 0.0 0.0 0.0 0.0 63.9  Import  Avg (MW)  444  628  48  -9  -33  0  -11  263  -906	-205.8  -7.2 -26.8 -13.2 -26.1 -28.5 -0.0 -0.0 -10.1 -17.4 -+ve)/Export(-ve) Energy Exchange (MI) -10.65 -1.16 -0.22 -0.78 -1.15 -0.27 -6.32 -21.74 -17.95