

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 15th Oct 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

Τo,

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 14.10.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-अक्टूबर-2021 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 14th October 2021, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 15-Oct-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	52446	53025	37701	21071	2929	167172
Peak Shortage (MW)	2501	638	0	93	0	3232
Energy Met (MU)	1185	1231	901	465	57	3838
Hydro Gen (MU)	199	51	154	92	22	519
Wind Gen (MU)	2	41	60		-	103
Solar Gen (MU)*	65.30	42.56	92.42	4.53	0.31	205
Energy Shortage (MU)	21.31	4.08	0.76	3.82	0.00	29.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54123	54185	42000	21559	3026	170335
Time Of Maximum Demand Met (From NLDC SCADA)	18:54	18:54	10:04	00:00	18:08	18:50

B. Frequency r	Tome (78)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.029	0.00	0.56	3.74	4.29	78.85	16.86

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	, ,	(MU)	(-/	, ,	(MU)
	Punjab	8331	0	179.0	98.4	-1.1	193	5.08
	Haryana	7859	0	156.8	106.0	-0.1	298	8.50
	Rajasthan	11809	0	241.6	84.3	1.4	322	3.87
	Delhi	4160	0	89.0	72.8	-2.1	72	0.00
NR	UP	20115	0	393.1	183.5	-2.1	520	0.00
	Uttarakhand	1924	0	40.6	21.9	0.9	163	0.41
	HP	1568	0	32.5	14.3	-0.8	142	0.00
	J&K(UT) & Ladakh(UT)	2609	200	48.4	37.3	-0.8	454	3.45
	Chandigarh	216	0	4.3	4.6	-0.4	7	0.00
	Chhattisgarh	4255	0	101.4	58.3	1.5	289	0.00
	Gujarat	16289	69	363.9	199.4	2.9	594	4.08
	MP	10487	0	234.7	143.6	-3.0	496	0.00
WR	Maharashtra	21095	0	470.9	140.2	0.5	477	0.00
	Goa	595	0	13.7	12.2	0.8	69	0.00
	DD	325	0	7.4	7.0	0.4	56	0.00
	DNH	860	0	20.1	19.6	0.5	109	0.00
	AMNSIL	839	0	18.6	8.8	0.5	286	0.00
	Andhra Pradesh	9339	0	191.0	92.6	4.0	804	0.76
	Telangana	10182	0	204.9	44.6	-2.0	546	0.00
SR	Karnataka	8286	0	162.8	14.9	-2.1	604	0.00
	Kerala	3404	0	69.7	37.1	-0.7	161	0.00
	Tamil Nadu	11896	0	265.3	96.0	-2.0	547	0.00
	Puducherry	309	0	6.8	7.4	-0.6	39	0.00
	Bihar	5863	0	117.7	113.0	-1.7	349	1.15
	DVC	2930	0	66.8	-32.8	1.7	265	0.57
	Jharkhand	1469	93	29.1	23.8	-3.0	109	2.10
ER	Odisha	4998	0	105.3	30.4	-2.0	346	0.00
=	West Bengal	7680	0	144.8	12.0	-1.4	388	0.00
	Sikkim	75	Ö	1.2	1.5	-0.3	21	0.00
	Arunachal Pradesh	125	Ö	2.3	2.2	-0.1	13	0.00
	Assam	1885	Ö	37.3	30.7	-1.0	85	0.00
	Manipur	202	0	2.6	2.8	-0.2	47	0.00
NER	Meghalaya	296	0	5.3	3.1	-0.1	38	0.00
- 12-22	Mizoram	109	0	1.7	1.2	-0.2	10	0.00
	Nagaland	140	0	2.3	2.0	0.0	36	0.00
	Tripura	316	0	5.8	4.9	-0.1	100	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	22.7	7.6	-20.0
Day Peak (MW)	1191.0	517.0	-850.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	259.8	-79.0	-58.2	-126.0	3.4	0.0
Actual(MU)	241.3	-69.3	-58.6	-119.4	0.1	-5.9
O/D/U/D(MU)	-18.5	9.7	-0.4	6.6	-3.4	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4187	16012	8272	1610	465	30546	45
State Sector	8545	17909	7970	3535	11	37970	55
Total	12732	33921	16242	5145	476	68516	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	591	1109	512	499	10	2720	70
Lignite	21	8	35	0	0	64	2
Hydro	199	51	154	92	22	519	13
Nuclear	30	33	69	0	0	132	3
Gas, Naptha & Diesel	35	34	17	0	30	115	3
RES (Wind, Solar, Biomass & Others)	80	84	182	5	0	352	9
Total	957	1319	970	595	63	3902	100
Share of RES in total generation (%)	8.40	6.39	18.82	0.76	0.50	9.02	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	32.39	12.76	41.85	16.22	35.63	25.70	I

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.073

Diversity factor = Sum of regional or state maximum demands / All India maximum demand
*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: 15-Oct-2021

Table Tabl							Date of Reporting:	15-Oct-2021
	Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	
1	10					F		
1	1 HVDC	ALIPURDUAR-AGRA	2					
1								
			1	296 55				
1	5 765 kV	GAYA-BALIA	î				9.1	
			1					
9			1 2					
10			4				9.4	
10	10 400 kV	BIHARSHARIFF-BALIA	2	101	161	0.0		-0.9
10			2					
10 124 124 125			1					
15 123			i					
12 12 12 12 12 12 12 12	15 132 kV	GARWAH-RIHAND	11			0.5		0.5
1			1					
	1/ 1 132 KV	KARMANASA-CHANDAULI		U	ER-NR			
3	Import/Export of ER	(With WR)						
3	1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1163	0.0	13.8	
1	2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	779	501	5.8		5.8
S	3 765 kV	JHARSUGUDA-DURG	2	153	274	0.0		-0.6
1 20	4 400 kV	JHARSUGUDA-RAIGARH	4	0	501	0.0	7.1	-7.1
2 204V RUBHPARRENORRA 2 40 131 60 1.5 1.5	5 400 kV	RANCHI-SIPAT	2	191	166	1.4	0.0	1.4
The properties of TER WIRE NEW 7.2 26.2 19.0	6 220 kV	BUDHIPADAR-RAIGARH	1	0	180	0.0	3.4	-3.4
	7 220 kV	BUDHIPADAR-KORBA	2	40				
1 HYDE JAYPOE-CAZIVAGA MB 2 288	v .//	AVIA CD.		•	ER-WR	7.2	26.2	-19.0
1			1 2	200			0.0	62
1								
1 400 AV TALCIPER-CE 2 1096	3 765 kV	ANGUL-SRIKAKULAM	2	0			41.2	
ImportExport of ER (Win NYE)	4 400 kV	TALCHER-I/C	2	1096	0	12.1		12.1
	5 220 kV	BALIMELA-UPPER-SILERRU	11	12	0 ED CD			
1 690 AY RINAGERRENONALGRON 2 0 312 0.0 5.1 5.1	Import/Export of ER	(With NER)			ER-3K	0.4	01.3	-33.3
1	1 400 kV	BINAGURI-BONGAIGAON	2					
ImportExport of NER (WID) NR)	2 400 kV	ALIPURDUAR-BONGAIGAON	2			0.0		-3.0
ImportExport of NER (With NE)	3 220 kV	IALIPURDUAR-SALAKATI	. 2	. 0	102 FR-NED			
HVDC RISWANATHICHARIALIAGRA 2 0 704 0.0 10.7 -10.7	Import/Export of NE	R (With NR)			EK-NEK	U.U	7.0	-9.8
			2	0				
Hyde Champarder Champarde	Y ./F		•		NER-NR	0.0	10.7	-10.7
A			,	0	3530	0.0	63.8	-63.8
1			-			9.7		
S			2				8.7	
6 765 EV JABALPUR-ORAI 2 0 890 0.0 33.1							25.4	
7								
S			1					
10	8 765 kV		1				22.1	
11 490 KV ZERDA-KANKROLI								
12			2					
13								
S 220 kV BHANFURA-RANPUR			1				0.0	6.4
16 220 kV	12 400 kV 13 400 kV	ZERDA -BHINMAL	1 1	425 976	0	6.4	0.0	
17 220 kV WHIGHAON-AURANYA	12 400 kV 13 400 kV 14 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 2	425 976 36	0 0 321	6.4 21.8 0.0	0.0 4.6	21.8 -4.6
18 220 kV MALANPUR-AURAIYA	12 400 kV 13 400 kV 14 400 kV 15 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 1 2 1	425 976 36 52	0 0 321 62	6.4 21.8 0.0 0.1	0.0 4.6 0.4	21.8 -4.6 -0.3
19	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 1 2 1 1	425 976 36 52 0	0 0 321 62 30	6.4 21.8 0.0 0.1 0.6	0.0 4.6 0.4 0.1	21.8 -4.6 -0.3 0.6
WR-NR 87.6 255.2 -167.5	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAYVA MALANPUR-AURAIYA	1 1 2 1 1 1	425 976 36 52 0 127 90	0 0 321 62 30 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1	0.0 4.6 0.4 0.1 0.0 0.0	21.8 -4.6 -0.3 0.6 1.3 2.1
Import Export of WR (With SR)	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR	1 1 2 1 1 1 1	425 976 36 52 0 127 90	0 0 321 62 30 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0
1 HYDC BHADRAWATER - 994 0 24.0 0.0 24.0 2 HYDC RAIGARI-PUGALUR 2 2149 0 36.0 0.0 36.0 3 765 kV SOLAPUR-RAICHUR 2 1763 671 13.1 0.0 13.1 4 765 kV WARDHANIZAMBAD 2 0 1759 0.0 22.9 -22.9 5 400 kV KOLHAPUR-KUDGI 2 1588 0 27.6 0.0 2.2 2.29 -22.9 6 220 kV KOLHAPUR-CHIKODI 2 0 0 0.0 0.0 0.0 0.0 7 220 kV KOLHAPUR-CHIKODI 1 0 0 0 0.0 0.0 0.0 0.0 8 220 kV XELDEM-AMBEWADI 1 0 78 1.6 0.0 1.6 0.0 1.6	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR	1 1 2 1 1 1 1 1 2	425 976 36 52 0 127 90	0 0 321 62 30 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0
3 765 kV SOLAPUR-RAICHUR 2 1763 671 13.1 0.0 13.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 2 1 1 1 1 1 1 2	425 976 36 52 0 127 90	0 0 321 62 30 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0
4 765 kV WARDHA-NIZAMABAD 2 0 1750 0.0 22.9 22.9 22.9 5 400 kV KOLHAPUR-KUDGI 2 1588 0 27.6 0.0 27.6 6 220 kV KOLHAPUR-CHIKODI 2 0 0 0.0 0.0 0.0 0.0 7 220 kV FORDA-AMBEWADI 1 0 78 1.6 0.0 0.0 0.0 8 220 kV XELDEM-AMBEWADI 1 0 78 1.6 0.0 1.6	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV 19 132 kV 19 142 kV 19 143 kV 19 145 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAL MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	2 1 1 1 1 1 2	425 976 36 52 0 127 90 0	0 0 321 62 30 0 0 0 WR-NR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 255.2	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0 -167.5
S	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	2 1 1 1 1 1 2	425 976 36 52 0 127 90 0 0	0 0 321 62 30 0 0 0 WR-NR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 255.2	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0 -167.5 24.0 36.0
Color	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV 20 132 kV 20 HVDC 2 HVDC 2 HVDC 3 765 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 1 1 1 1 1 2 2	976 36 52 0 127 90 0 0 0 994 2149 1763	0 0 321 62 30 0 0 0 WR-NR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 31.3	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 255.2	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -167.5 -24.0 -36.0 -13.1
STATE STAT	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 1 1 2 2	425 976 36 52 0 127 90 0 0 994 2149 1763 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 255.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.8 -4.6 -0.3 -0.6 1.3 2.1 0.0 0.0 -167.5 24.0 36.0 13.1 -22.9
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MII)	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-AICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 1 1 2 2 2 2 2 2	925 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0	0 0 321 62 30 0 0 0 WR-NR 0 0 0 1750 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6 24.0 36.0 27.6 27.6 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0 -167.5 24.0 36.0 13.1 -22.9 27.6 0.0
International exchanges	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV 7 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 2 2 2 2 2 2 2 1	976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 255.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0 -167.5 24.0 36.0 13.1 -22.9 27.6 0.0 0.0
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MII)	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV 7 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 2 2 2 2 2 2 2 1	976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0	0 0 321 62 30 0 0 0 0 WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 255.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.8 -4.6 -0.3 0.6 1.3 2.1 0.0 0.0 -167.5 24.0 36.0 13.1 -22.9 27.6 0.0 0.0
March Marc	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV 7 220 kV	ZERDA - BHINMAL VINDHYACHAI - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1	976 36 36 52 0 127 90 0 0 994 2149 1763 0 0 1588 0 0 0	0 0 321 62 30 0 0 0 0 WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 0.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.3 -1.6 -0.0 -1.67.5 -1.67.5 -1.67.5 -1.67.5 -1.67.5 -1.67.5 -1.67.5 -1.67.5
BHUTAN ER	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN	2 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 TERNATIONAL EX	976 36 52 976 36 127 90 0 0 994 2149 1763 0 1588 0 0 0 CHANGES	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 0 WR-SR	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -0.0 -1.6 -79.3 +ve)/Export(-ve)
MANGDECHU HEP 4*180MW)	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 0 WR-SR	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.1 -0.0 -1.67.5 -1.3 -1.1 -1.2 -1.9 -1.67.5 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1
BHUTAN ER	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-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 1 1 1 1 1 1 1 1 1 1 1 1	425 976 336 52 0 127 90 0 0 0 994 2149 1763 0 1588 0 0	0 0 321 62 30 0 0 0 0 WR-NR 0 0 671 1750 0 0 0 0 WR-SR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6 24.0 36.0 13.1 0.0 0.0 1.6 1.0 1.6 102.2	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.3 -1.1 -0.0 -1.67.5 24.0 -36.0 -1.67.5 27.6 -0.0 -0.0 -1.6 -79.3 -(WI) -(WI)
ER	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-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 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 4006V MANCGEMEN 1,283 i.e. ALIPURBU	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0 0	0 0 321 62 30 0 0 0 0 WR-NR 0 0 671 1750 0 0 0 0 WR-SR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6 24.0 36.0 13.1 0.0 0.0 1.6 1.0 1.6 102.2	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.3 -1.1 -0.0 -1.67.5 24.0 -36.0 -1.67.5 27.6 -0.0 -0.0 -1.6 -79.3 -(MII)
BHUTAN ER MALBASE - BIPRARA 1&2 (& 220kV MALBASE - BIPRARA 158 158 0	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-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 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 4008V MANGALPURBU 4008V ALBURGHBU 4008V JALBURGHBU 4008V JALBURGHBURGHBURGHBURGHBURGHBURGHBURGHBURGH	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0 0 0	0 0 321 62 30 0 0 0 0 WR-NR 0 0 671 1750 0 0 0 0 WR-SR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6 24.0 36.0 13.1 0.0 0.0 1.6 1.0 1.6 102.2	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.3 -1.1 -0.0 -1.67.5 24.0 -36.0 -1.67.5 27.6 -0.0 -0.0 -1.6 -79.3 -(MII)
BHUTAN ER MALBASE - BIRPARA 158 0 131 3.2	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI Region Region	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 0 0 2149 2149 1763 0 0 0 0 0 0 0 0 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 WR-SR	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.1 -0.0 -0.0 -167.5 -167.5 -167.5 -24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -1.6 -7.9.3 +ve)/Export(-ve) Energy Exchange (MII) -7.4
NER	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI Region Region	2 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 WR-SR	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.1 -0.0 -0.0 -167.5 -167.5 -167.5 -24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -1.6 -7.9.3 +ve)/Export(-ve) Energy Exchange (MII) -7.4
NER 132kV MOTANGA-RANGIA 45 0 36 0.9	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 2 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR CWith SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	425 976 36 52 0 127 90 0 0 0 0 0 0 2149 2149 1763 0 0 1763 0 0 0 0 0 0 0 0 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 0 0 WR-SR WR-SR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 10.1 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -0.0 -1.6 -79.3 +ve)/Export(-ve) Energy Exchange (MIT) -7.4
NER 132kV MOTANGA-RANGIA 45 0 36 0.9	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 2 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR CWith SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1	425 976 36 36 52 0 127 90 0 0 994 2149 1763 1763 0 0 0 0 0 0 0 0 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 0 0 WR-SR WR-SR	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 10.1 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -0.0 -1.6 -79.3 +ve)/Export(-ve) Energy Exchange (MIT) -7.4
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) -44 0 -3 -0.1 NEPAL ER NEPAL IMPORT (FROM BIHAR) 204 45 118 2.8 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 2 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV 8 220 kV	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA AMALANPUR-AURAHYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	425 976 36 36 52 0 127 90 0 0 994 2149 1763 1763 0 0 0 0 0 0 0 0 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 0 WR-SR WR-SR	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 10.2 Min (MW) 0 436	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 -167
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) -44 0 -3 -0.1 NEPAL ER NEPAL IMPORT (FROM BIHAR) 204 45 118 2.8 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA AMALANPUR-AURAHYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	425 976 36 36 52 0 127 90 0 0 994 2149 1763 1763 0 0 0 0 0 0 0 0 0 0	0 0 321 62 30 0 0 0 WR-NR 0 0 671 1750 0 0 0 WR-SR WR-SR	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 10.2 Min (MW) 0 436	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 -167
NR TANAKPUR(NHPC) -44 0 -3 -0.1 NEPAL ER NEPAL IMPORT (FROM BIHAR) 204 45 118 2.8 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI SELDEM-AMBEWADI ER ER ER ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	425 976 36 52 976 36 52 0 127 90 0 0 0 177 90 0 0 187 994 1763 0 1763 0 0 1588 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) 181 [1,24 (8 490K) R) i.e. BINACURI MEP (6*170MW) PARA 1 & 2 (8 220K) A) LE BINACURI MEP (6*170MW) PARA 1 & 2 (8 220K) A) LE BIRPARA KIA HEP 4*84MW) LAKATI	0 0 0 321 62 30 0 0 0 0 WR-NR 0 0 0 671 1750 0 0 0 78 WR-SR Max (MW) 499 466 158	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -0.0 -1.6 -79.3 +ve)/Export(-ve) Energy Exchange (MII) -7.4 11.0 3.2
NR TANAKPUR(NHPC) -44 0 -3 -0.1 NEPAL ER NEPAL IMPORT (FROM BIHAR) 204 45 118 2.8 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI SELDEM-AMBEWADI ER ER ER ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	425 976 36 52 976 36 52 0 127 90 0 0 0 177 90 0 0 187 994 1763 0 1763 0 0 1588 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) 181 [1,24 (8 490K) R) i.e. BINACURI MEP (6*170MW) PARA 1 & 2 (8 220K) A) LE BINACURI MEP (6*170MW) PARA 1 & 2 (8 220K) A) LE BIRPARA KIA HEP 4*84MW) LAKATI	0 0 0 321 62 30 0 0 0 0 WR-NR 0 0 0 671 1750 0 0 0 78 WR-SR Max (MW) 499 466 158	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -0.0 -1.6 -79.3 +ve)/Export(-ve) Energy Exchange (MII) -7.4 11.0 3.2 0.3
NEPAL ER NEPAL IMPORT (FROM BIHAR) 204 45 118 2.8 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI SELDEM-AMBEWADI ER ER ER ER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 0 321 62 30 0 0 0 0 WR-NR 0 0 0 671 1750 0 0 0 78 WR-SR Max (MW) 499 466 158	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -0.0 -1.6 -79.3 +ve)/Export(-ve) Energy Exchange (MII) -7.4 11.0 3.2 0.3
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAI - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-BUCH ROHANDIAMBEWADI REGION ER ER ER NRR NRR	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 321 62 340 0 0 0 WR-NR 0 0 0 WR-NR 0 0 671 1750 0 0 78 WR-SR Max (MW) 499 466	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 1.6 1.0 1.6 1.6 1.7 436 0 8	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.1 -0.0 -0.0 -167.5 -1.67.5
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 357 13 203 4.9 ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAI - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-BUCH ROHANDIAMBEWADI REGION ER ER ER NRR NRR	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 321 62 340 0 0 0 WR-NR 0 0 0 WR-NR 0 0 671 1750 0 0 78 WR-SR Max (MW) 499 466	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 1.6 1.0 1.6 1.6 1.7 436 0 8	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.1 -0.0 -0.0 -167.5 -1.67.5
ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZ-AMABAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 0 994 2149 1763 0 1763 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 23.6 0 13.1 0.0 10.1 13.1 0.0 10.2 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 0.0 13.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 4.6 0.4 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 -24.0 -36.0 -13.1 -22.9 -27.6 -0.0 -1.6 -79.3 -+ve)/Export(-ve) Energy Exchange (MII) -7.4
ER BHERAMARA B/B HVDC (BANGLADESH) -716 -709 -713 -17.1	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZ-AMABAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER NER	2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 0 994 2149 1763 0 1763 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 23.6 0 13.1 0.0 10.1 13.1 0.0 10.2 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 13.1 0.0 0.0 13.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 4.6 0.4 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 1.3 2.1 -0.0 0.0 -167.5 24.0 36.0 13.1 -22.9 27.6 0.0 0.0 1.6 79.3 +ve)/Export(-ve) Energy Exchange (MII) 7.4 11.0 3.2 0.3 0.9
	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI SER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 994 2149 1763 0 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 0 321 62 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.3 -1.3 -1.0 -0.0 -1.67.5 -1.67.5 -1.3.1 -2.2.9 -27.6 -0.0 -0.0 -1.6 -79.3 -+ve)/Export(-ve) Energy Exchange (MU1) -7.4 -11.0 -3.2 -0.3 -0.9 -0.1
	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI SER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 0 994 2149 1763 0 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 0 321 62 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2 Min (MW)	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -1.3 -1.3 -1.0 -0.0 -1.67.5 -1.67.5 -1.3.1 -2.2.9 -27.6 -0.0 -0.0 -1.6 -79.3 -+ve)/Export(-ve) Energy Exchange (MU1) -7.4 -11.0 -3.2 -0.3 -0.9 -0.1
BANGLADESH NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -134 0 -119 -2.9	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER BER BER BER BER BER BER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 WR-NR WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 0.0 13.1 0.0 0.0 436 0 0 436 0 0 445	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8
BANGLADESH NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -134 0 -119 -2.9	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER BER BER BER BER BER BER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 WR-NR WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 0.0 13.1 0.0 0.0 436 0 0 436 0 0 445	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -16.7 -22.9 -0.0 -1.6 -79.3 -+ve)/Export(-ve) Energy Exchange (MII) -7.4
	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER BER BER BER BER BER BER	2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	425 976 36 52 0 127 90 0 994 2149 1763 0 1588 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 WR-NR WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 87.6 24.0 36.0 13.1 0.0 0.0 13.1 0.0 0.0 436 0 0 436 0 0 445	0.0 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8 -4.6 -0.3 -0.6 -1.3 -2.1 -0.0 -0.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -167.5 -24.0 -36.0 -16.7 -22.9 -0.0 -1.6 -79.3 -+ve)/Export(-ve) Energy Exchange (MII) -7.4
	12	ZERDA - BHINMAL VINDHYACHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURATYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI BB RRIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI YONDA-AMBEWADI ER ER ER ER ER ER ER ER ER E	2 1 1 1 1 1 2 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2	425 976 36 52 976 36 52 0 127 90 0 0 0 127 90 0 0 12149 1763 0 1588 0 0 0 1588 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) 1761 1761 1761 1761 1761 1761 1761 176	0 0 0 321 62 30 0 0 0 0 WR-NR 0 0 0 671 1750 0 0 0 78 WR-SR 0 466 158 24 45 -44 204 357 -716	6.4 21.8 0.0 0.1 0.6 1.3 2.1 0.0 0.0 87.6 24.0 36.0 13.1 0.0 27.6 0.0 1.6 102.2 Min (MW)	0.0 4.6 4.6 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.8