

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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

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दिनांक: 8<sup>th</sup> June 2021

To,

- 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 07.06.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-जून-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 07<sup>th</sup> June 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

A Power Supply Position at All India and Regional level Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	54341	47799	36699	20658	2422	161919
Peak Shortage (MW)	200	0	0	0	3	203
Energy Met (MU)	1261	1141	863	475	43	3783
Hydro Gen (MU)	270	52	62	106	31	521
Wind Gen (MU)	46	93	99		-	238
Solar Gen (MU)*	52.83	35.58	111.27	5.58	0.07	205
Energy Shortage (MU)	4.07	0.00	0.00	0.00	0.04	4.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59739	49464	39376	21914	2663	168728
Time Of Maximum Demand Met (From NLDC SCADA)	22:46	15:21	14:53	00:00	18:49	22:33

B. Frequency Profile (%)
Region
All India 

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shorta
		dav(MW)	Demand(MW)	(IVIC)	(MU)	(MC)	(14144)	(MU)
	Punjab	8091	0	176.0	113.1	-0.6	148	0.00
	Haryana	8420	0	168.1	137.6	2.2	306	0.52
	Rajasthan	10905	0	243.8	81.4	2.4	690	0.00
	Delhi	5519	0	104.2	88.6	0.2	171	0.03
NR	UP	22413	0	442.2	197.6	2.1	513	0.00
	Uttarakhand	1946	0	42.1	19.3	1.4	189	0.00
	HP	1402	0	29.4	2.3	0.2	212	0.07
	J&K(UT) & Ladakh(UT)	2392	250	49.9	23.9	-0.1	472	3.45
	Chandigarh	270	0	5.2	5.2	0.0	17	0.00
	Chhattisgarh	3912	0	91.1	40.7	0.2	193	0.00
	Gujarat	16593	0	350.0	151.4	1.3	815	0.00
	MP	9378	0	208.4	126.2	-3.1	496	0.00
WR	Maharashtra	19411	0	438.3	155.3	-3.2	726	0.00
	Goa	557	0	11.9	9.7	1.6	67	0.00
	DD	308	0	6.6	6.3	0.3	67	0.00
	DNH	765	0	18.5	17.4	1.1	64	0.00
	AMNSIL	779	0	16.6	0.8	0.2	214	0.00
	Andhra Pradesh	8555	0	181.3	77.9	0.9	572	0.00
	Telangana	7513	0	155.7	57.2	0.3	385	0.00
SR	Karnataka	7906	0	160.5	40.1	-0.9	681	0.00
	Kerala	3493	0	68.7	44.3	0.0	319	0.00
	Tamil Nadu	13188	0	288.9	144.5	-1.0	599	0.00
	Puducherry	403	0	7.7	8.0	-0.2	44	0.00
	Bihar	6213	0	121.0	111.7	0.2	299	0.00
	DVC	3248	0	67.1	-44.4	-1.0	240	0.00
	Jharkhand	1587	0	29.2	26.6	-2.5	187	0.00
ER	Odisha	4690	0	101.0	42.9	-0.8	276	0.00
	West Bengal	8102	0	155.6	32.5	-0.4	448	0.00
	Sikkim	83	0	1.3	0.6	0.8	73	0.00
	Arunachal Pradesh	114	0	2.1	2.1	-0.2	14	0.01
	Assam	1499	0	24.6	17.1	0.1	84	0.00
	Manipur	201	1	2.7	2.6	0.1	24	0.00
NER	Meghalaya	319	0	5.2	1.7	-0.1	42	0.00
	Mizoram	107	1	1.6	1.7	-0.1	11	0.00
	Nagaland	131	1	2.4	2.4	0.0	12	0.01
	Tripura	262	0	4.3	3.2	-0.4	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	36.0	-7.7	-22.1
Day Peak (MW)	1688.0	-469.4	-1062.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	308.9	-213.0	39.1	-117.4	-17.6	0.0
Actual(MU)	313.4	-213.1	33.9	-119.5	-19.7	-5.0
O/D/U/D(MU)	4.5	0.0	-5.2	-2.1	-2.1	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5457	19173	9082	550	772	35033	43
State Sector	13508	18050	10848	3637	11	46054	57
Total	18964	37223	19930	4187	783	81087	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	506	1111	417	512	12	2559	66
Lignite	23	9	51	0	0	82	2
Hydro	270	52	62	106	31	521	13
Nuclear	26	33	66	0	0	125	3
Gas, Naptha & Diesel	30	36	13	0	25	104	3
RES (Wind, Solar, Biomass & Others)	117	128	229	6	0	481	12
Total	972	1368	839	624	68	3871	100
CI APPOLLANT II (A)							ì
Share of RES in total generation (%)	12.06	9.39	27.35	0.89	0.10	12.42	
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	42.58	15 53	42.62	17.82	45 79	29.09	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.071

<sup>|</sup> Daiser of in State Max Demands | 1,0/1 | 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)

Sl No Impo							Date of Reporting:	
	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	08-Jun-2021 NET (MU)
	ort/Export of ER (				<b>-</b>	<b>F</b> === (====)		1.22 ()
1	HVDC	ALIPURDUAR-AGRA	2	0	800	0.0	20.0	-20.0
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	850	0.0	14.1	-14.1
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	0	316 611	0.0	3.7 11.0	-3.7 -11.0
6	400 kV	PUSAULI-VARANASI	i	0	192	0.0	3.9	-3.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	122	0.0	2.0	-2.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	748	0.0	13.9	-13.9
9	400 kV	PATNA-BALIA	4	0	1051	0.0	19.1	-19.1
10 11	400 kV 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	383 449	0.0	6.6 8.2	-6.6 -8.2
12	400 kV	BIHARSHARIFF-VARANASI	2	0	375	0.0	5.0	-5.0
13	220 kV	PUSAULI-SAHUPURI	ī	Ö	129	0.0	1.8	-1.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
16 17	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
17	132 K (	RAKMANAGA-CHANDACLI			ER-NR	0.6	115.3	-114.7
Impo	ort/Export of ER (							
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1052	0	14.6	0.0	14.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1222	190	13.0	0.0	13.0
3	765 kV	JHARSUGUDA-DURG	2	348	151	3.2	0.0	3.2
4	400 kV	JHARSUGUDA-RAIGARH	4	71	234	0.0	2.0	-2.0
5	400 kV	RANCHI-SIPAT	2	344	38	4.2	0.0	4.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	126	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	121	0	1.6	0.0	1.6
					ER-WR	36.6	3.9	32.7
Impo	ort/Export of ER (							
1		JEYPORE-GAZUWAKA B/B	2	0	338	0.0	5.8	-5.8
3	HVDC 765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2 2	0	1189	0.0	28.8 42.6	-28.8 -42.6
4	400 kV	TALCHER-I/C	2	265	2596 7	0.0 1.8	0.0	-42.6 1.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	Ó	0.0	0.0	0.0
					ER-SR	0.0	77.2	-77.2
	ort/Export of ER (							
1		BINAGURI-BONGAIGAON	2	178	230	0.7	0.0	0.7
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	414 44	229 82	3.8 0.0	0.0	3.8 -0.2
	220 K Y	ALII UKDUAK-SALAKATI	4		ER-NER	4.5	0.2	4.3
Impo	ort/Export of NER							
1		BISWANATH CHARIALI-AGRA	2	0	708	0.0	16.9	-16.9
T	nt/Ennount CXV	(Wist ND)			NER-NR	0.0	16.9	-16.9
1mpo	ort/Export of WR	CHAMPA-KURUKSHETRA		0	3528	0.0	51.9	-51.9
2	HVDC	VINDHYACHAL B/B		0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1170	0.0	23.9	-23.9
4	765 kV	GWALIOR-AGRA	2	0	2838	0.0	52.6	-52.6
5	765 kV	PHAGI-GWALIOR	2	0	1901	0.0	38.9	-38.9
7	765 kV	JABALPUR-ORAI	2	934	1084	0.0	41.2 0.0	-41.2
8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	679	0 1570	12.8 0.0	34.2	12.8 -34.2
9	765 kV	CHITORGARH-BANASKANTHA	2	1275	0	15.6	0.0	15.6
10	400 kV	ZERDA-KANKROLI	1	273	0	4.4	0.0	4.4
11	400 kV	ZERDA -BHINMAL	1	536	0	8.5	0.0	8.5
12	400 kV	VINDHYACHAL -RIHAND	1 2	954	0	22.1	9.2	22.1
13 14	400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	1	0	581 115	0.0 1.9	0.0	-9.2 1.9
15	220 kV	BHANPURA-MORAK	i	0	30	1.5	0.0	1.5
16	220 kV	MEHGAON-AURAIYA	1	108	8	0.3	0.1	0.2
17	220 kV	MALANPUR-AURAIYA	1	71	30	0.9	0.0	0.9
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0 WR-NR	0.0 68.0	251.9	0.0 -183.9
Impo	ort/Export of WR				1114 1114			
1		(With SR)				00.0	231.9	-105.7
	HVDC	BHADRAWATI B/B	<u> </u>	456	518	6.6	2.4	4.3
2	HVDC HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	775	302	6.6 0.3	2.4	4.3 0.3
3	HVDC HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2	775 2185	302 1381	6.6 0.3 15.7	2.4 0.0 4.0	4.3 0.3 11.8
3	HVDC HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	775 2185 37	302 1381 1985	6.6 0.3 15.7 0.0	2.4 0.0 4.0 23.3	4.3 0.3 11.8 -23.3
3 4 5	HVDC HVDC 765 kV 765 kV 400 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2	775 2185 37 1152	302 1381 1985 0	6.6 0.3 15.7 0.0 16.7	2.4 0.0 4.0 23.3 0.0	4.3 0.3 11.8 -23.3 16.7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2	775 2185 37	302 1381 1985 0 0	6.6 0.3 15.7 0.0	2.4 0.0 4.0 23.3 0.0 0.0	4.3 0.3 11.8 -23.3
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2	775 2185 37 1152 0	302 1381 1985 0 0 0 75	6.6 0.3 15.7 0.0 16.7 0.0 0.0	2.4 0.0 4.0 23.3 0.0 0.0 0.0	4.3 0.3 11.8 -23.3 16.7 0.0 0.0
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1	775 2185 37 1152 0	302 1381 1985 0 0	6.6 0.3 15.7 0.0 16.7 0.0 0.0	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2	775 2185 37 1152 0	302 1381 1985 0 0 0 75	6.6 0.3 15.7 0.0 16.7 0.0 0.0	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6	4.3 0.3 11.8 -23.3 16.7 0.0 0.0
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1	775 2185 37 1152 0 1 1 CCHANGES	302 1381 1985 0 0 0 75 WR-SR	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 +ve)/Export(-ve) Energy Exchange
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EX	775 2185 37 1152 0 0 1 1 CCHANGES	302 1381 1985 0 0 0 75	6.6 0.3 15.7 0.0 16.7 0.0 0.0	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve)
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI	775 2185 37 1152 0 0 1 1 CCHANGES Name	302 1381 1985 0 0 75 WR-SR	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6	4.3 0.3 11.8 -23.3 16.7 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGBECHI ie. ALIPURDUAR RI	775 2185 37 1152 0 0 1 1 CHANGES Name ECELPT (from	302 1381 1985 0 0 0 75 WR-SR	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 +ve)/Export(-ve) Energy Exchange
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400kV TALA-BINAG	775 2185 37 1152 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 4*180MV) URI 12.4 (8.400KV)	302 1381 1985 0 0 75 WR-SR Max (MW)	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.3,3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW)	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange (MII) 12.7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI HEP 400kV TALA-BINAG MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI	775 2185 37 1152 0 0 1 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECELPT (from 4/1804W) URI 1_2,4 (& 400EV) URI 1_2,4 (& 400EV) URI 1_6,2 (& 400EV)	302 1381 1985 0 0 75 WR-SR	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import	4.3 0.3 11.8 -23.3 16.7 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGBECHU HEP 400kV TALSHINAG MALBASE - BINAGI MALBASE - BINAGI MECERPT (From TAL	775 2185 37 1152 0 0 1.152 1.152 0 1.152 0 1.152 0 1.152 0 1.152 0 0 1.152 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	302 1381 1985 0 0 75 WR-SR Max (MW)	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.3,3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW)	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange (MII) 12.7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KY MANGDECHI HEP 400KV TALA-BINAG MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 20kV CHUKHIA-BII	775 2185 37 1152 0 0 1 1 1 CCHANGES  Name HU-ALIPURDUAR 1&2 ECELPT (from 4/1804W) URI 1_2,4 (& 400EV) URI 1_2,4 (& 400EV) URI 1_2 HO (& 100EV) URI 1_2 HO (& 10EV) URI	302 1381 1985 0 0 75 WR-SR Max (MW)	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.3,3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW)	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange (MII) 12.7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGBECHU HEP 400kV TALSHINAG MALBASE - BINAGI MALBASE - BINAGI MECERPT (From TAL	775 2185 37 1152 0 0 1152 1 1 1 CCHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 4*180MV) URI 1;2,4 (8 400KV) URI 1;2,4 (8 400KV) HPJ 64 BINAGURI A HEP (6*170MV) PJAKA 182 (8 220KV)	302 1381 1985 0 0 75 WR-SR	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.5.3 0.0 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528	4,3 0,3 11,8 -23,3 16,7 0,0 0,0 1,0 10,7 +ve)/Export(-ve) Energy Exchange (MII) 12,7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHIA-BIR RECEIPT (from CHU	775 2185 37 1152 0 0 1152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR Max (MW) 588	6.6 0.3 15.7 0.0 16.7 0.0 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528 718	4,3 0,3 11,8 -23,3 16,7 0,0 0,0 1,0 10,7 +ve)/Export(-ve) Energy Exchange (MID) 12,7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI RECEIPT (From TAL 220kV CHUKHIA-BIR MALBASE - BIRPAR	775 2185 37 1152 0 0 1152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 75 WR-SR	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.5.3 0.0 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528	4,3 0,3 11,8 -23,3 16,7 0,0 0,0 1,0 10,7 +ve)/Export(-ve) Energy Exchange (MII) 12,7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400KV MANGDECHI Le ALIPURDUAR RI MANGDECHU HEP 400KV TALA BNAG MALBASE - BINAGI RECEIPT (from TAL 132KV-GEYLEGPHU	775 2185 37 1152 0 0 1152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 75 WR-SR Max (MW) 588 903	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.5.3 0.0 0.0 0.0 0.0 2.9.6  Import Avg (MW)  528  718	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 +ve)/Export(-ve) Energy Exchange (MII) 12.7 17.2 4.9
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHIA-BIR RECEIPT (from CHU	775 2185 37 1152 0 0 1152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR Max (MW) 588	6.6 0.3 15.7 0.0 16.7 0.0 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528 718	4,3 0,3 11,8 -23,3 16,7 0,0 0,0 1,0 10,7 +ve)/Export(-ve) Energy Exchange (MID) 12,7
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400RV MANGDECHI ie. ALIPUNDUAR RI MANGDECHU HEP 400RV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 220RV CHUKHIA-BIR RECEIPT (from CHU 132RV-GEYLEGPHU 132RV MOTANGA-RANG	775 2185 37 1152 0 0 1 152 1 162 1 1 162 1 1 162 1 1 162 164 164 164 164 164 165 165 165 165 165 165 165 165 165 165	302 1381 1985 0 0 75 WR-SR Max (MW) 588 903	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.5.3 0.0 0.0 0.0 0.0 2.9.6  Import Avg (MW)  528  718	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 +ve)/Export(-ve) Energy Exchange (MII) 12.7 17.2 4.9
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER	2 2 2 2 2 1 1 ITERNATIONAL EX Line 400KV MANGBECHI ic. ALIPURDUAR RI AMORDECHI HEP 100KV YALA-BINAG MALBASE - BINAGI RECERPT (from TAL 20kV CHUKHAL-BIR AMABASE - BINAGI 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(	775 2185 2185 37 4175 4152 0 0 1 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 441804W) URI 1_2,4' (& 400EV) UR	302 1381 1985 0 0 75 WR-SR Max (MW) 588 903	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW) 0	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528 718 203 -18	4,3 0,3 11,8 -23,3 16,7 0,0 0,0 1,0 10,7 +ve)/Export(-ve) Energy Exchange (MII) 12.7 17.2 4.9 -0.4
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400RV MANGDECHI ie. ALIPUNDUAR RI MANGDECHU HEP 400RV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 220RV CHUKHIA-BIR RECEIPT (from CHU 132RV-GEYLEGPHU 132RV MOTANGA-RANG	775 2185 2185 37 4175 4152 0 0 1 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 441804W) URI 1_2,4' (& 400EV) UR	302 1381 1985 0 0 0 75 WR-SR Max (MW) 588 903 268	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW)	2.4 0.0 4.0 2.5.3 0.0 0.0 0.0 0.0 2.9.6  Import Avg (MW)  528  718	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 12.7  17.2  4.9
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER	2 2 2 2 2 1 1 ITERNATIONAL EX Line 400KV MANGBECHI ic. ALIPURDUAR RI AMORDECHI HEP 100KV YALA-BINAG MALBASE - BINAGI RECERPT (from TAL 20kV CHUKHAL-BIR AMABASE - BINAGI 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(	775 2185 2185 37 1152 0 0 1 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECELPT (from 4*1804W) URI 1_2,4'(& 400EV)	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW) 0 401	2.4 0.0 4.0 2.3.3 0.0 0.0 0.0 0.0 2.9.6  Import Avg (MW)  528  718  203 -18 -35	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 1.0 Energy Exchange (MII) 12.7 17.2 4.9 -0.4
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER	2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGBECHI Le. ALIPURDUAR RI MANGBECHI HEP 400kV TALA BINAG MALBASE - BINAGT MALBASE - BINAGT 132kV-GEYLEGPHI 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR MAHENDRANAGAI	775 2185 2185 37 1152 0 0 11 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECELPT (from 4*1804W) URI 1_2,4'(& 400EV)	302 1381 1985 0 0 0 75 WR-SR Max (MW) 588 903 268	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW) 0	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528 718 203 -18	4.3 0.3 11.8 -2.3.3 16.7 0.0 0.0 1.0 1.0 1.0 12.7 17.2 4.9 -0.4
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRAGG MALBASE -	775 2185 37 1152 0 0 1 152 1 0 1 152 1 0 1 1 152 1 1 152 1 1 152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW) 0 401	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW)  528  718  203 -18 -35 -57	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 1.0 Energy Exchange (MII) 12.7 17.2 4.9 -0.4
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from TAL 20kV CHUKHIA-BIR 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR MAHENDRANAGAI 400kV-MUZAFFARI	775 2185 37 1152 0 0 1 152 1 0 1 152 1 0 1 1 152 1 1 152 1 1 152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42	6.6 0.3 15.7 0.0 16.7 0.0 0.0 1.0 40.3 Min (MW) 0 401	2.4 0.0 4.0 2.3.3 0.0 0.0 0.0 0.0 2.9.6  Import Avg (MW)  528  718  203 -18 -35	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 1.0 Energy Exchange (MII) 12.7 17.2 4.9 -0.4
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  NER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRAGG MALBASE -	775 2185 37 1152 0 0 1 152 1 0 1 152 1 0 1 1 152 1 1 152 1 1 152 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR Max (MW) 588 903 268 -28 -42 -78	6.6 0.3 15.7 0.0 16.7 0.0 16.7 0.0 40.3  Min (MW)	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW)  528  718  203 -18 -35 -57	4.3 0.3 11.8 -2.3.3 16.7 0.0 0.0 1.0 1.0 1.0 12.7 17.2 4.9 -0.4 -0.8 -1.4
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  NER	2 2 2 2 2 1 1 ITERNATIONAL EX 1 1 ITERNATIONAL EX 1 1 ITERNATIONAL EX 1 400KV MANGDECH 1 1 400KV MANGDECH 1 1 400KV MANGDECH 1 400KV MANGDECH 1 20KV CHUKHA-BIR MALBASE - BINAGH 132KV-GEYLEGPH 132KV-GEYLEGPH 400KV-MUZAFFARI DC 132KV-BIHAR - NEP	775 2185 2185 37 1152 0 0 11 1152 1 10 11 11 11 11 11 11 11 11 11 11 11 1	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42 -78 -301	6.6 0.3 15.7 0.0 16.7 0.0 16.7 0.0 0.0 1.0 40.3  Min (MW)  401  111  -4  -25  0  -67	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW)  528  718  203 -18 -35 -57	4.3
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  ER  NER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRAGG MALBASE -	775 2185 2185 37 1152 0 0 11 1152 1 10 11 11 11 11 11 11 11 11 11 11 11 1	302 1381 1985 0 0 0 75 WR-SR Max (MW) 588 903 268 -28 -42 -78	6.6 0.3 15.7 0.0 16.7 0.0 16.7 0.0 40.3  Min (MW)	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528 718 203 -18 -35 -57 -218	4.3 0.3 11.8 -2.3.3 16.7 0.0 0.0 1.0 1.0 1.0 12.7 17.2 4.9 -0.4 -0.8 -1.4
3 4 5 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHIA-BIR RECEIPT (from TAL 132kV-GEYLEGPHU 132kV Motanga-Rang KAHENDRANAGAI 400kV-MUZAFFARI DC 132kV-BIHAR - NEP BHERAMARA HVDO	775 2185 2185 37 1152 0 0 1 152 1 152 1 152 1 1 152 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42 -78 -301	6.6 0.3 15.7 0.0 0.0 16.7 0.0 0.0 1.0 1.0 40.3  Min (MW)  401  111  4  -25  0  -67	2.4 0.0 0.0 4.0 2.3.3 0.0 0.0 0.0 0.0 2.9.6 Import Avg (MW) 528 718 203 -18 -35 -57 -218 -45 -809	4.3 0.3 11.8 -23.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange (MII) 12.7 17.2 4.9 -0.4 -0.8 -1.4 -5.2 -1.1
3 4 5 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  NER	2 2 2 2 2 1 1 ITERNATIONAL EX 1 1 ITERNATIONAL EX 1 1 ITERNATIONAL EX 1 400KV MANGDECH 1 1 400KV MANGDECH 1 1 400KV MANGDECH 1 400KV MANGDECH 1 20KV CHUKHA-BIR MALBASE - BINAGH 132KV-GEYLEGPH 132KV-GEYLEGPH 400KV-MUZAFFARI DC 132KV-BIHAR - NEP	775 2185 2185 37 1152 0 0 11 12 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,24*1& 400EV URI 1,24*1& 400EV URI 1,24*1& 400EV URI 1,24*1& 400EV LOS 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,05*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1& 1,0*1&	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42 -78 -301	6.6 0.3 15.7 0.0 16.7 0.0 16.7 0.0 0.0 1.0 40.3  Min (MW)  401  111  -4  -25  0  -67	2.4 0.0 0.0 4.0 23.3 0.0 0.0 0.0 0.0 29.6 Import Avg (MW) 528 718 203 -18 -35 -57 -218	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
3 4 5 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGBECHI ic. ALIPURDUAR RI MANGDEHU HEP MORV YALABNAG MALBASE BINAGG RECEPT (from TAL 200KV HR E- BINAGG RECEPT (from TAL 200KV HR E- BINAGG RECEPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR MAHEADRANAGAI 400KV-MUZAFFARI DC 132KV-BIHAR - NEP BHERAMARA HVD 132KV-BIHAR - NEP	775 2185 2185 37 1152 0 0 1 1 1 1152 1 1 1 1 1 1 1 1 1 1 1 1 1 1	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42 -78 -301	6.6 0.3 15.7 0.0 0.0 16.7 0.0 0.0 1.0 1.0 40.3  Min (MW)  401  111  4  -25  0  -67	2.4 0.0 0.0 4.0 2.3.3 0.0 0.0 0.0 0.0 2.9.6 Import Avg (MW) 528 718 203 -18 -35 -57 -218 -45 -809	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange (MII) 12.7 17.2 4.9 -0.4 -0.8 -1.4 -5.2 -1.1
3 4 5 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 2 1 1 ITERNATIONAL EX Line 400kV MANGBECHI ie, ALIPURDUAR RI MANGBECHI HEP 400kV YALA-BINAG MALBASE - BINAGI BECEIPT (from TAL 250kV CHUKHL-BIR MALBASE - BIRPAF RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR( MAHEADRANAGAF 400kV-MUZAFFARI DC 132kV-BIHAR - NEP BHERAMARA HVD0 132kV-BIHAR - NEP	775 2185 2185 37 1152 0 0 1 152 0 1 152 152 164 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	302 1381 1985 0 0 0 75 WR-SR  Max (MW) 588 903 268 -28 -42 -78 -301	6.6 0.3 15.7 0.0 0.0 16.7 0.0 0.0 1.0 1.0 40.3  Min (MW)  401  111  4  -25  0  -67	2.4 0.0 0.0 4.0 2.3.3 0.0 0.0 0.0 0.0 2.9.6 Import Avg (MW) 528 718 203 -18 -35 -57 -218 -45 -809	4.3 0.3 11.8 -23.3 16.7 0.0 0.0 1.0 10.7 +ve)/Export(-ve) Energy Exchange (MII) 12.7 17.2 4.9 -0.4 -0.8 -1.4 -5.2 -1.1