

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPËRATION 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

दिनांक: 13th Jan 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033

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

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

4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya

5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 12.01.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-जनवरी -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 12th January 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: 13-Jan-2021 NR 50414 WR 52670 TOTAL SR ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 163366 Peak Shortage (MW) 1078 46 1150 Energy Met (MU) Hydro Gen (MU) 1004 1238 901 387 44 3573 253 104 46 60 32 11 68 33.53 0.20 59481 Wind Gen (MU) Solar Gen (MU)* 71 73.02 142 152 40.84 4.40 0.06 0.54 Souar Gen (MU)²
Energy Shortage (MU)
Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 13.66 52924 0.00 0.00 18347 14.40 177501 46100 2627 10:25 10:42 20:05 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 5.56 < 49.9 49.9 - 50.05 > 50.05 15.62 0.034 0.00 C. Power Supply Position in States

Region	States	Max.Demand Met during the	Shortage during maximum	Energy Met	Drawal Schedule	OD(+)/UD(-)	Max OD	Energy Shortage
Region	States	dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	6449	0	122.7	62.0	-1.3	71	0.00
	Harvana	6524	148	126.8	93.5	1.3	213	0.05
	Rajasthan	13495	0	247.8	92.6	1.3	473	0.00
	Delhi	4628	0	76.0	66.5	-0.2	201	0.00
NR	UP	16703	0	294.5	80.3	-0.3	430	1.08
	Uttarakhand	2275	0	41.9	25.2	1.4	280	0.13
	НР	1886	0	33.9	27.3	0.4	354	0.00
	J&K(UT) & Ladakh(UT)	2747	600	55.6	49.3	0.4	268	12.40
	Chandigarh	266	0	4.5	4.3	0,2	49	0.00
	Chhattisgarh	4163	0	90.4	45.6	0.9	407	0.20
	Gujarat	16970	0	352.6	99,9	2.0	558	0.00
	MP	13923	0	270.2	156.6	-3.4	368	0.00
WR	Maharashtra	22653	0	469.1	160.9	-1.1	599	0.00
	Goa	598	0	10.8	10.3	0.0	46	0.00
	DD	350	0	7.6	7.3	0.3	160	0.00
	DNH	845	0	19.7	19.7	0.0	298	0.00
	AMNSIL	851	0	17.3	12.2	-0.1	216	0.00
	Andhra Pradesh	8578	0	170.8	60.1	0.3	856	0.00
	Telangana	11727	0	218.6	103.9	0.0	801	0.00
SR	Karnataka	9668	0	185.1	65.2	-1.6	597	0.00
	Kerala	3421	0	68.9	51.5	-0.1	259	0.00
	Tamil Nadu	12073	0	250.3	164.3	-1.4	526	0.00
	Puducherry	337	0	7.0	7.4	-0.4	16	0.00
	Bihar	4684	0	83.2	78.7	-1.4	317	0.00
	DVC	3178	0	68.6	-44.4	2.6	285	0.00
	Jharkhand	1425	0	25.6	20.7	-2.4	123	0.00
ER	Odisha	4204	0	81.1	6.9	-0.3	359	0.00
	West Bengal	6493	0	125.9	15.8	-0.1	537	0.00
	Sikkim	147	0	2.4	2.0	0.4	34	0.00
	Arunachal Pradesh	151	2	2.3	2.6	-0.4	21	0.01
	Assam	1448	10	24.7	19.5	0.2	135	0.50
	Manipur	233	2	2.9	3.2	-0.3	46	0.01
NER	Meghalaya	408	3	6.9	5.0	-0.1	23	0.00
	Mizoram	121	2	1.6	1.6	-0.4	13	0.01
	Nagaland	127	2	2.5	2.0	0.4	12	0.01
	Tripura	220	1	3.0	2.4	-0.1	31	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)							
	Bhutan	Nepal	Bangladesh				
Actual (MU)	4.7	-12.4	-17.9				
Day Peak (MW)	211.0	-630.6	-949.0				

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)								
	NR	WR	SR	ER	NER	TOTAL		
Schedule(MU)	261.8	-244.7	87.2	-105.2	0.9	0.0		
Actual(MU)	260.1	-241.8	72.8	-98.9	1.5	-6.4		
O/D/U/D(MU)	-1.7	2.9	-14.5	6.3	0.7	-6.4		

F. Generation Outage(MW)						
	NR	WR	SR	ER	NER	TOTAL
Central Sector	6310	13573	6202	3750	599	30433
State Sector	12634	15340	10947	5612	11	44544
Total	18944	28913	17149	9362	610	74977

G. Sourcewise generation (MU)						
	NR	WR	SR	ER	NER	All India
Coal	527	1291	494	490	7	2810
Lignite	22	10	30	0	0	62
Hydro	104	46	60	32	11	253
Nuclear	19	21	64	0	0	104
Gas, Naptha & Diesel	20	29	9	0	31	88
RES (Wind, Solar, Biomass & Others)	74	103	181	4	0	362
Total	766	1500	838	526	48	3678
Share of RES in total generation (%)	9.68	6.83	21.55	0.84	0.13	9.83
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	25 72	11 20	26.42	6 95	22.07	10.52

Nuclear	19	21	64	0	0	104		
Gas, Naptha & Diesel	20	29	9	0	31	88		
RES (Wind, Solar, Biomass & Others)	74	103	181	4	0	362		
Total	766	1500	838	526	48	3678		
Share of RES in total generation (%)	9.68	6.83	21.55	0.84	0.13	9.83		
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	25.73	11.30	36.42	6.85	22.07	19.53		
H. All India Demand Diversity Factor								

H. All India Demand Diversity Factor

Based on Regional Max Demands

1.011

Based on State Max Demands

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: 13-Jan-2021

Sl No Import			r	ı			Date of Reporting:	
	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
-mpor	t/Export of ER (V				·			<u> </u>
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
3	765 kV	PUSAULI B/B GAYA-VARANASI	-	0	249 938	0.0	6.3	-6.3
4	765 KV 765 kV	SASARAM-FATEHPUR	1	0 44	938 311	0.0	12.6 2.7	-12.6 -2.7
5	765 kV	GAYA-BALIA	ī	0	593	0.0	8.2	-8.2
6	400 kV	PUSAULI-VARANASI	ļ	0	216	0.0	4.6	-4.6
7 8	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1	0	107 713	0.0	1.5 8.4	-1.5 -8.4
9	400 kV	PATNA-BALIA	4	0	1125	0.0	17,5	-17.5
10	400 kV	BIHARSHARIFF-BALIA	2	Ü	453	0.0	5.9	-5.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	360	0.0	4.3	-4.3
12	400 kV	BIHARSHARIFF-VARANASI	2	86	274	0.0	1.7	-1.7
13 14	220 kV 132 kV	PUSAULI-SAHUPURI SONE NAGAR-RIHAND	1	55 0	60	0.3	0.0	0.3 0.0
15	132 kV	GARWAH-RIHAND	1	20	Ö	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Impor	t/Export of ER (V	Vith WR)			ER-NR	0.7	73.7	-73.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	554	242	3.5	0.0	3.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1023	156	9.2	0.0	9.2
3	765 kV	JHARSUGUDA-DURG	2	90	182	0.0	1.8	-1.8
4	400 kV	JHARSUGUDA-RAIGARH	4	60	260	0.0	3.5	-3.5
5	400 kV	RANCHI-SIPAT	2	339	54	3.0	0.0	3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	128	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KAIGARH BUDHIPADAR-KORBA	2	109	4	1.3	0.0	1.3
	220 KV	BUDHIFADAR-KUKBA		109	ER-WR	16.9	7.0	9.9
Impor	t/Export of ER (V	With SR)			ER-WK	10.7	7.0	3.3
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	429	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1976	0.0	37.0	-37.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2595	0.0	42.7	-42.7
5	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	719	637	3.7 0.0	0.0	3.7 0.0
3	220 KV	DALEMELA-OFFER-SILEKKU			0 ER-SR	0.0 0.0	0.0 89.6	0.0 -89.6
Import	t/Export of ER (V	With NER)			ZA SK	V.V	07.0	-07.0
1	400 kV	BINAGURI-BONGAIGAON	2	257	191	2.1	0.0	2.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	433	254	3.6	0.0	3.6
3	220 kV	ALIPURDUAR-SALAKATI	2	72	52 ED NED	0.6	0.0	0.6
Impor	t/Export of NER	(With NR)			ER-NER	6.3	0.0	6.3
1		BISWANATH CHARIALI-AGRA	2	465	0	8.8	0.0	8.8
					NER-NR	8.8	0.0	8.8
Import	t/Export of WR (
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1356	0.0	39.1	-39.1
2	HVDC	VINDHYACHAL B/B	2	192	0	4.9	0.0	4.9
3	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	1741 2985	0.0	38.3 45.5	-38.3 -45.5
5	765 kV	PHAGI-GWALIOR	2	0	1646	0.0	24.7	-43.5 -24.7
6	765 kV	JABALPUR-ORAI	2	Ö	1360	0.0	39.9	-39.9
7	765 kV	GWALIOR-ORAI	1	799	0	15.2	0.0	15.2
8	765 kV	SATNA-ORAI	1	0	1558	0.0	28.2	-28.2
9	765 kV	CHITORGARH-BANASKANTHA	2	360	928	0.0	8.1	-8.1
10 11	400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	121 0	140 402	0.0	0.2 5.1	-0.2 -5.1
12	400 kV	VINDHYACHAL -RIHAND	i	494	0	11.4	0.0	11.4
13	400 kV	RAPP-SHUJALPUR	2	57	679	0.0	6.4	-6.4
14	220 kV	BHANPURA-RANPUR	1	0	172	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
16 17	220 kV 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1	123 78	0 28	0.5 1.3	0.1 0.0	0.5 1.3
18	132 kV	GWALIOR-SAWAI MADHOPUR	i	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	33.3	239.0	-205.7
	t/Export of WR (1		014			
1 2				0			10.5	40.0
2		BHADRAWATI B/B DAIGADH PUGALUB	-		813	0.0	10.2	-10.2
3	HVDC	RAIGARH-PUGALUR	2 2	958	997	0.0	1.6	-1.6
4	HVDC 765 kV 765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR						
4 5	HVDC 765 kV 765 kV 400 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2	958 1400 0 1752	997 1367 2283 0	0.0 0.0 0.0 25.8	1.6 8.1 33.5 0.0	-1.6 -8.1 -33.5 25.8
4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI		958 1400 0 1752	997 1367 2283 0	0.0 0.0 0.0 25.8 0.0	1.6 8.1 33.5 0.0 0.0	-1.6 -8.1 -33.5 25.8 0.0
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2	958 1400 0 1752 0	997 1367 2283 0 0	0.0 0.0 0.0 25.8 0.0	1.6 8.1 33.5 0.0 0.0	-1.6 -8.1 -33.5 25.8 0.0 0.0
4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2	958 1400 0 1752	997 1367 2283 0 0 0 45	0.0 0.0 0.0 25.8 0.0 0.0	1.6 8.1 33.5 0.0 0.0 0.0	-1.6 -8.1 -33.5 25.8 0.0 0.0
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1	958 1400 0 1752 0 1 0	997 1367 2283 0 0 0 45 WR-SR	0.0 0.0 0.0 25.8 0.0	1.6 8.1 33.5 0.0 0.0	-1.6 -8.1 -33.5 25.8 0.0 0.0
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1	958 1400 0 1752 0 1 1 0	997 1367 2283 0 0 0 45 WR-SR	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1 1 INTER	958 1400 0 1752 0 1 1 0 NATIONAL EXCHA!	997 1367 2283 0 0 0 45 WR-SR	0.0 0.0 0.0 25.8 0.0 0.0	1.6 8.1 33.5 0.0 0.0 0.0	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9 Energy Exchange
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REgion	2 2 2 2 1 1 1 INTER Line	958 1400 0 1752 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2	997 1367 2283 0 0 0 45 WR-SR NGES	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE	958 1400 0 1752 0 1752 1 1 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from	997 1367 2283 0 0 0 45 WR-SR	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9 Energy Exchange
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REgion	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4	958 1400 0 1752 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from	997 1367 2283 0 0 0 45 WR-SR NGES	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9 Energy Exchange
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA. BINAGI	958 1400 0 1752 0 1752 0 0 1 TO	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9 Energy Exchange (MII) 2.8
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REgion	2 2 2 2 1 1 1 1 INTER Line 400RV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400RV TALA-BINAGI MALBASE - BINAGU MEEGEIPT (From TAL/	958 1400 0 1752 0 1752 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from = 180MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI	997 1367 2283 0 0 0 45 WR-SR NGES	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9 Energy Exchange
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 INTER INTER INTER 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400KV TALA-BINAGU MALBASE BINAGU RECEIPT (from TAL).	958 1400 0 1752 0 1752 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) L. BURGURI HEP (6*170MW) PARA 1&2 (& 220kV	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 -25.8 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU RECEIPT (Fron TALJ 220kV CHUKHA-BIR MALBASE - BIRPAR	958 1400 0 1752 0 1752 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 182) (Fig. 12,4 (4 400kV R) i.e. BINAGURI HEP (6+1704W) PARA 1&2 (& 220kV	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 25.8 0.0 0.0 0.7 -26.9 Energy Exchange (MII) 2.8
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 INTER INTER INTER 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400KV TALA-BINAGU MALBASE BINAGU RECEIPT (from TAL).	958 1400 0 1752 0 1752 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 182) (Fig. 12,4 (4 400kV R) i.e. BINAGURI HEP (6+1704W) PARA 1&2 (& 220kV	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 -25.8 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU RECEIPT (Fron TALJ 220kV CHUKHA-BIR MALBASE - BIRPAR	958 1400 0 1752 0 1752 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6+170MW) PARA 1&2 (& 220kV A) i.e. BIRPAR KHA HEP 4*84MW)	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW)	-1.6 -8.1 -33.5 -25.8 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALJ MALBASE - BIRPAR RECEIPT (from CHU	958 1400 0 1752 0 1752 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6+170MW) PARA 1&2 (& 220kV A) i.e. BIRPAR KHA HEP 4*84MW)	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122	0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MU) -2.8 -0.3
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 INTER INTER Line 400kV MANGDECHI Le. ALIPURDUAR RE MANGDECHI Le. ALIPURDUAR RE MANGDECHI LE. BINAGU RECEIPT (from TALL 20kV CHUKHA-BIR MALBASE - BIRPAR RALBASE - BIRPAR HALBASE - BI	958 1400 0 1752 0 1752 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV R) R) Le, BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA LAKATI	997 1367 2283 0 0 45 WR-SR NGES Max (MW) 118 122 0	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALJ MALBASE - BIRPAR RECEIPT (from CHU	958 1400 0 1752 0 1752 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV R) R) Le, BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA LAKATI	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122	0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW)	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MU) -2.8 -0.3
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 1 1 INTER Line 400KV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALJ 220KV GEYLEGPHU 132KV-GEYLEGPHU 132kV Motanga-Rangi	958 1400 0 1752 0 1752 0 0 1752 1 0 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEDET (from *180MW) IRI 1,2,4 (& 400kV RI 1,	997 1367 2283 0 0 45 WR-SR NGES Max (MW) 118 122 0	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGI RECEIPT (from TAL- 220kV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi	958 1400 0 1752 0 1752 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RI) L. (& 400kV RI) L	997 1367 2283 0 0 45 WR-SR NGES Max (MW) 118 122 0	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 1 1 INTER Line 400KV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALJ 220KV GEYLEGPHU 132KV-GEYLEGPHU 132kV Motanga-Rangi	958 1400 0 1752 0 1752 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RI) L. (& 400kV RI) L	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24	0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 INTER LINE LINE 400KY MANGDECHI Le. ALIPURDUAR RE MANGDECHI Le. ALIPURDUAR RE MANGDECHI LE. ALIPURDUAR RE ANGUE SINAGU RECEIPT (from TALL ZORV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	9.58 1400 0 1752 17752 0 1752 1 0 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *1880MW) IRI 1,2.4 (& 400kV R) IRI 1,2.4 (& 400kV R) A (& EIRPARA & (& 220kV A) i.e. BIRPARA KIKH AIFE 4** *84MW) - SALAKATI ia ia iiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 INTER LINE LINE 400KY MANGDECHI Le. ALIPURDUAR RE MANGDECHI Le. ALIPURDUAR RE MANGDECHI LE. ALIPURDUAR RE ANGUE SINAGU RECEIPT (from TALL ZORV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	958 1400 0 1752 0 1752 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RI) L. (& 400kV RI) L	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24	0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4 -1.7
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - MIRAGU MALBASE - MIRA	958 1400 0 1752 0 1752 0 0 1752 1 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1;2,4 (4 400kV RI) i.e. BINAGURI HEP (6*170MV) PARA 1&2 (& 220kV A) i.e. BIRPAR KHA HEP 4*84MW) - SALAKATI a SH) - PCG UR - DHALKEBAR DC	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84	0.0 0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW) 0 -111 0 -211	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4 -1.7 -6.5
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-KUBGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 INTER LINE LINE 400KY MANGDECHI Le. ALIPURDUAR RE MANGDECHI Le. ALIPURDUAR RE MANGDECHI LE. ALIPURDUAR RE ANGUE SINAGU RECEIPT (from TALL ZORV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	958 1400 0 1752 0 1752 0 0 1752 1 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1;2,4 (4 400kV RI) i.e. BINAGURI HEP (6*170MV) PARA 1&2 (& 220kV A) i.e. BIRPAR KHA HEP 4*84MW) - SALAKATI a SH) - PCG UR - DHALKEBAR DC	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84	0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4 -1.7
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - MIRAGU MALBASE - MIRA	958 1400 0 1752 0 1752 0 0 1752 1 1 0 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1;2,4 (4 400kV RI) i.e. BINAGURI HEP (6*170MV) PARA 1&2 (& 220kV A) i.e. BIRPAR KHA HEP 4*84MW) - SALAKATI a SH) - PCG UR - DHALKEBAR DC	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84	0.0 0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW) 0 -111 0 -211	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4 -1.7 -6.5
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - MIRAGU MALBASE - MIRA	958 1400 0 1752 0 1752 1 0 0 17552 1 1 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400kV RI 1,24 (&	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84	0.0 0.0 0.0 0.0 25.8 0.0 0.7 26.6 Min (MW) 0 -111 0 -211	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MII) -2.8 -0.3 -0.3 -0.4 -1.7 -6.5
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGION REGION ER ER ER NER NER NER NER ER E	2 2 2 2 1 1 INTER LINE LINE 400KY MANGDECHI Le. ALIPURDUAR RE MANGDECHI Le. ALIPURDUAR RE MANGDECHI LE. ALIPURDUAR RE A00KY TALA-BINAGU RECEIPT (from TALI Z00KY CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR) 400KV-MUZAFFARP 132KV-BIHAR - NEP,	958 1400 0 1752 0 1752 1 0 0 17552 1 1 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400kV RI 1,24 (&	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84 -272	0.0 0.0 0.0 25.8 0.0 0.0 0.0 0.7 26.6 Min (MW) 0 -111 0 -211	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71 -270	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MIT) -0.3 -0.3 -0.4 -0.1 -1.7 -6.5
4 5 6 7 8 8	HVDC 765 kV 765 kV 765 kV 20 kV 220 kV 220 kV 220 kV 8 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER ER ER	2 2 2 2 1 1 INTER LINE LINE 400KY MANGDECHI Le. ALIPURDUAR RE MANGDECHI Le. ALIPURDUAR RE MANGDECHI LE. ALIPURDUAR RE A00KY TALA-BINAGU RECEIPT (from TALI Z00KY CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR) 400KV-MUZAFFARP 132KV-BIHAR - NEP,	958 1400 0 1752 0 1752 1 0 0 1752 1 1 0 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) 181 1,2.4 (4 400kV RI) i.e. BINAGURI HEP (4*170MW) PARA 1,8.2 (& 220kV A) i.e. BIRPARA KITA HEP 4*84MW) - SALAKATI ia SHI) - PG) UUR - DHALKEBAR DC AL	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84 -272 -275 -839	0.0 0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0 -111 0 -211 -15 -455	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71 -270 -173	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MU) -2.8 -0.3 -0.3 -0.4 -1.7 -6.5 -4.2
4 5 6 7 8 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGION REGION ER ER ER NER NER NER NER ER E	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANARPURO MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP.	958 1400 0 1752 1752 0 1752 1 0 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) NR 1,24 (& 400kV R) RI 1,24 (& 400kV R) A) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KIA HEP 4*8AMW) - SALAKATI a SH) - PG UR - DHALKEBAR DC ML (BANGLADESH) NAGAR -	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84 -272	0.0 0.0 0.0 25.8 0.0 0.0 0.0 0.7 26.6 Min (MW) 0 -111 0 -211	1.6 8.1 33.5 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71 -270	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MIT) -0.3 -0.3 -0.4 -0.1 -1.7 -6.5
4 5 6 7 8 8	HVDC 765 kV 765 kV 765 kV 20 kV 220 kV 220 kV 220 kV 8 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER ER ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGI RECEIPT (from TAL- 20kV CHUKHA-BIR MALBASE - BIRAPAR RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC 132kV-BIHAR - NEP/	958 1400 0 1752 1752 0 1752 1 0 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) NRI 1,24 (& 400kV R) RI 1,24 (& 400kV R) A) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KIR HEP (8*41) "" " " " " " " " " " " " " " " " " "	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84 -272 -275 -839	0.0 0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0 -111 0 -211 -15 -455	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71 -270 -173	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MU) -2.8 -0.3 -0.3 -0.4 -1.7 -6.5 -4.2
4 5 6 7 8 8	HVDC 765 kV 765 kV 765 kV 20 kV 220 kV 220 kV 220 kV 8 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER ER ER	2 2 2 2 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHH Le. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGI RECEIPT (from TAL- 20kV CHUKHA-BIR MALBASE - BIRAPAR RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR 400kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC 132kV-SURAJMANI 132kV-SURAJMANI	958 1400 0 1752 0 1752 0 1752 0 1752 1 0 1752 0 175	997 1367 2283 0 0 0 45 WR-SR NGES Max (MW) 118 122 0 -24 -9 -84 -272 -275 -839	0.0 0.0 0.0 0.0 25.8 0.0 0.0 0.7 26.6 Min (MW) 0 -111 0 -211 -15 -455	1.6 8.1 33.5 0.0 0.0 0.0 0.0 0.0 53.4 Avg (MW) 115 95 0 15 4 -71 -270 -173	-1.6 -8.1 -33.5 -25.8 -0.0 -0.0 -0.7 -26.9 Energy Exchange (MU) -2.8 -0.3 -0.3 -0.4 -1.7 -6.5 -4.2