

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, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 9th Jan 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

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 08.01.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8th January 2021, is available at the NLDC website.

धन्यवाद,

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



Date of Reporting: Report for previous day A. Power Supply Position at All India and Regional level 09-Jan-2021 NR 48952 WR TOTAL SR ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 39296 18396 2515 Peak Shortage (MW) 610 33 643 Energy Met (MU) Hydro Gen (MU) 959 1205 888 375 43 3471 106 44 62 33 11 256 11 34.32 12.40 50855 135 132 12.94 171146 Wind Gen (MU) Solar Gen (MU)* 0.11 0.44 2590 4.33 66.62 0.00 26.61 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) 0.10 58698 0.00 44541 18565 10:17 09:32 18:45 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 7.71 < 49.9 7.75 49.9 - 50.05 > 50.05 0.041 0.00

	ply Position in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		day(MW)	Demand(MW)	(MU)	(MU)	(MU)		(MU)
	Punjab	6282	0	117.7	56.7	-1.5	0	0.00
	Haryana	6278	0	120.3	81.7	1.4	270	0.00
	Rajasthan	12497	0	235.0	78.3	-1.2	295	0.00
	Delhi	4503	0	73.8	63.3	-0.2	219	0.00
NR	UP	15738	0	281.1	95.1	-2.8	477	0.00
	Uttarakhand	2277	0	40.8	22.6	0.3	151	0.00
	HP	1846	0	32.9	27.6	-0.5	230	0.00
	J&K(UT) & Ladakh(UT)	2905	600	54.0	46.7	1.6	602	12.40
	Chandigarh	241	0	3.8	3.8	0.0	30	0.00
	Chhattisgarh	4171	30	88.0	39.6	-0.2	324	0.10
	Gujarat	16698	0	344.3	93.8	1.8	867	0.00
	MP	14681	0	282.6	175.0	-2.0	400	0.00
WR	Maharashtra	21136	0	433.5	154.1	-1.9	806	0.00
	Goa	567	0	11.5	10.8	0.4	76	0.00
	DD	334	0	7.4	7.1	0.3	30	0.00
	DNH	837	0	19.5	19.4	0.1	46	0.00
	AMNSIL	826	0	18.6	10.7	0.7	266	0.00
	Andhra Pradesh	7881	0	162.6	52.5	-0.3	449	0.00
	Telangana	11180	0	208.0	90.4	0.8	580	0.00
SR	Karnataka	9820	0	180.6	75.0	-1.6	575	0.00
	Kerala	3519	0	70.1	51.8	0.2	239	0.00
	Tamil Nadu	12686	0	259.9	163.9	0.5	457	0.00
	Puducherry	360	0	7.3	7.6	-0.3	30	0.00
	Bihar	4457	0	84.2	79.0	-0.8	297	0.00
	DVC	3105	0	65.8	-33.4	0.2	237	0.00
	Jharkhand	1490	0	26.7	21.0	-2.3	98	0.00
ER	Odisha	4099	0	72.8	-3.1	-0.4	411	0.00
	West Bengal	6404	0	124.0	12.9	-0.3	470	0.00
	Sikkim	140	0	1.9	1.9	0.0	45	0.00
	Arunachal Pradesh	145	2	1.9	2.4	-0.6	34	0.01
	Assam	1439	20	24.3	19.5	0.4	114	0.40
	Manipur	226	2	2.8	3.2	-0.3	55	0.01
NER	Meghalaya	367	0	6.8	4.9	0.0	32	0.00
	Mizoram	113	1	1.6	1.4	-0.2	10	0.01
	Nagaland	127	2	2.0	2.0	-0.1	12	0.01
	Tripura	214	1	3.5	2.9	-0.5	16	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	4.4	-11.4	-13.8
Day Peak (MW)	283.0	-631.2	-825.0

 $E.\ Import/Export\ by\ Regions\ (in\ MU)\ -\ Import(+ve)/Export(-ve);\ OD(+)/UD(-)$ TOTAL WR ER NER NR SR Schedule(MU) Actual(MU) O/D/U/D(MU) -236.1 -222.9 13.2 103.5 105.3 -116.1 -119.2 247.1 0.0

F. Generation Outage(MW)						
	NR	WR	SR	ER	NER	TOTAL
Central Sector	6549	12453	7202	2285	699	29187
State Sector	11934	17319	10139	5532	11	44934
Total	18483	29771	17341	7817	710	74121

	NR	WR	SR	ER	NER	All India
Coal	508	1565	486	477	7	3044
Lignite	19	8	33	0	0	60
Hydro	106	44	62	33	11	256
Nuclear	18	33	64	0	0	116
Gas, Naptha & Diesel	22	39	12	0	28	102
RES (Wind, Solar, Biomass & Others)	74	123	135	4	0	336
Total	748	1813	792	515	46	3914
Share of RES in total generation (%)	9.88	6.77	17.00	0.84	0.24	8.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	26.53	11.04	32.97	7.25	23.41	18.09

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RES (Wind, Solar, Biomass & Others)	74	123	135	4	0	336
Total	748	1813	792	515	46	3914
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Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	26.53	11.04	32.97	7.25	23.41	18.09
HARLED IN SEC						
H. All India Demand Diversity Factor						
Based on Regional Max Demands	1.024					
Barrel on Chata Man Damanda	1 0 40	1				

Based on State Max Demands 1.049

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: 09-Jan-2021 |
| Export (MU) | NET (MU)

							Date of Reporting:	
Impo	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (V		140. 01 Circuit	ax import (NIW)	ax Export (NIV)	import (MO)	Export (MU)	mer (MC)
1		ALIPURDUAR-AGRA	,	0	0	0.0	0.0	0.0
2		PUSAULI B/B		0	249	0.0	6.1	-6.1
3		GAYA-VARANASI	2	Ŏ	910	0.0	11.6	-11.6
4	765 kV	SASARAM-FATEHPUR	1	52	330	0.0	3.2	-3.2
5	765 kV	GAYA-BALIA	1	0	542	0.0	8.6	-8.6
6		PUSAULI-VARANASI	1	0	211	0.0	4.1	-4.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	117	0.0	1.8	-1.8
9		MUZAFFARPUR-GORAKHPUR PATNA-BALIA	4	0	880 1214	0.0	9.0 20.4	-9.0 -20.4
10		BIHARSHARIFF-BALIA	2.	0	473	0.0	6.2	-6.2
11	400 kV	MOTIHARI-GORAKHPUR	2	Ŏ	361	0.0	5.2	-5.2
12		BIHARSHARIFF-VARANASI	2	39	327	0.0	2.6	-2.6
13		PUSAULI-SAHUPURI	1	50	81	0.0	0.1	-0.1
14		SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
16	132 kV 132 kV	KARMANASA-SAHUPURI		0	0	0.0	0.0	0.0
17	132 KV	KARMANASA-CHANDAULI	1		0 ER-NR	0.0	0.0 78.9	0.0 -78.6
Impo	rt/Export of ER (V	Vith WR)			DR 11R	0.0	10.7	-70.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	673	151	8.0	0.0	8.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1067	109	9.4	0.0	9.4
3	765 kV	JHARSUGUDA-DURG	2	68	242	0.0	3.2	-3.2
4	400 kV	JHARSUGUDA-RAIGARH	4	112	491	0.0	5.7	-5.7
5	400 kV	RANCHI-SIPAT	2	360	67	2.9	0.0	2.9
6	220 kV	BUDHIPADAR-RAIGARH	1	44	155	0.0	1.7	-1.7
7		BUDHIPADAR-KORBA	2	76	52	0.3	0.0	0.3
L '		·			ER-WR	20.5	10.6	9.9
Impo	rt/Export of ER (V	Vith SR)						
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	429	0.0	10.0	-10.0
2		TALCHER-KOLAR BIPOLE	2	0	1987	0.0	38.9	-38.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2716	0.0	47.2	-47.2
4	400 kV	TALCHER-I/C	2	439	900	0.0	8.5	-8.5
5	220 kV	BALIMELA-UPPER-SILERRU	1 1	1	0 ED CD	0.0	0.0	0.0
Imec	rt/Expert of ED A	Vith NER)			ER-SR	0.0	96.1	-96.1
1	rt/Export of ER (V 400 kV	BINAGURI-BONGAIGAON	2	233	158	2.0	0.0	2.0
2		ALIPURDUAR-BONGAIGAON	2	393	201	3.0 5.0	0.0	3.0 5.0
3		ALIPURDUAR-SALAKATI	2	68	44	0.7	0.0	0.7
ت	AND RI	JADOIN GILARAII			ER-NER	8.7	0.0	8.7
Impo	rt/Export of NER	(With NR)						
1		BISWANATH CHARIALI-AGRA	2	472	0	10.5	0.0	10.5
					NER-NR	10.5	0.0	10.5
	rt/Export of WR (
1		CHAMPA-KURUKSHETRA	2	0	1503	0.0	34.5	-34.5
2	HVDC	VINDHYACHAL B/B		240	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1365	0.0	33.9	-33.9
4		GWALIOR-AGRA	2	0	2669	0.0	43.6	-43.6
6		PHAGI-GWALIOR	2 2	0	1323	0.0	17.9	17.9
7	765 kV 765 kV	JABALPUR-ORAI GWALIOR-ORAI	1	794	1135 0	0.0 13.3	35.6 0.0	-35.6 13.3
8		SATNA-ORAI	i	0	1482	0.0	28.1	-28.1
9		CHITORGARH-BANASKANTHA	2	152	1056	0.0	8.5	-28.1 -8.5
10		ZERDA-KANKROLI	í	68	140	0.0	0.4	-0.4
11		ZERDA -BHINMAL	i	0	386	0.0	4.7	-4.7
12	400 kV	VINDHYACHAL -RIHAND	1	975	0	22.4	0.0	22.4
13	400 kV	RAPP-SHUJALPUR	2	95	430	0,3	3.2	-2.9
14		BHANPURA-RANPUR	1	0	208	0.0	2.6	-2.6
15		BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16		MEHGAON-AURAIYA	1	112	0	0.6	0.0	0.6
17	220 kV	MALANPUR-AURAIYA	1	64	13	1.4	0.0	1.4
18 19		GWALIOR-SAWAI MADHOPUR	1 2	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR		0	0 WR-NR		0.0	0.0
Impo	rt/Export of WR (With SR)			W-14K	44.0	214.3	-170.4
1								
				0	816	0.0	10.0	-10.0
2		BHADRAWATI B/B RAIGARH-PUGALUR	2	0 484	816 499	0.0	10.0 5.8	-10.0 -5.8
2	HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2	484 1050	499 1555	0.0	5.8 15.2	-5.8 -15.2
3 4	HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2	484 1050 0	499 1555 2040	0.0 0.0 0.0	5.8 15.2 33.1	-5.8 -15.2 -33.1
2 3 4 5	HVDC 765 kV 765 kV 400 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2	484 1050 0 1474	499 1555 2040 0	0.0 0.0 0.0 20.6	5.8 15.2 33.1 0.0	-5.8 -15.2 -33.1 20.6
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2	484 1050 0 1474	499 1555 2040 0	0.0 0.0 0.0 20.6 0.0	5.8 15.2 33.1 0.0 0.0	-5.8 -15.2 -33.1 20.6 0.0
2 3 4 5	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	484 1050 0 1474	499 1555 2040 0	0.0 0.0 0.0 20.6 0.0	5.8 15.2 33.1 0.0 0.0	-5.8 -15.2 -33.1 20.6 0.0
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2	484 1050 0 1474	499 1555 2040 0 0 0 32	0.0 0.0 0.0 20.6 0.0 0.0	5.8 15.2 33.1 0.0 0.0 0.0 0.0	-5.8 -15.2 -33.1 20.6 0.0 0.0
2 3 4 5 6	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 1 1	484 1050 0 1474 0 1	499 1555 2040 0 0 0 32 WR-SR	0.0 0.0 0.0 20.6 0.0	5.8 15.2 33.1 0.0 0.0	-5.8 -15.2 -33.1 20.6 0.0
2 3 4 5 6	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 1 1	484 1050 0 1474	499 1555 2040 0 0 0 32 WR-SR	0.0 0.0 0.0 20.6 0.0 0.0	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6
2 3 4 5 6	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 1 1 1	484 1050 0 1474 0 1	499 1555 2040 0 0 0 0 WR-SR	0.0 0.0 0.0 20.6 0.0 0.0 0.8 21.4	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0	-5.8 -15.2 -33.1 20.6 0.0 0.8 -42.6 Energy Exchang
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 INTER	484 1050 0 1474 0 1 1 1 1 NATIONAL EXCHAN	499 1555 2040 0 0 0 32 WR-SR	0.0 0.0 0.0 20.6 0.0 0.0	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH	484 1050 0 1474 0 1 1 1 .NATIONAL EXCHA! Name	499 1555 20440 0 0 0 32 WR-SR NGES	0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.8 21.4	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6 Energy Exchang
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE	484 1050 0 1474 0 1 1 1 1 NATIONAL EXCHAI Name Unalipurduar 1&2 CEIPT (from	499 1555 2040 0 0 0 0 WR-SR	0.0 0.0 0.0 20.6 0.0 0.0 0.8 21.4	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHI HEP 4 400kV TALA-BINAGI	484 1050 0 1474 0 1 1 1 1 INATIONAL EXCHA! Name UVALIPURDUAR 1&2 CEIPT (from 180MW) URI 1,24 (4 400 kV	499 1555 20440 0 0 0 32 WR-SR NGES	0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.8 21.4	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6 Energy Exchang
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 INTER Line 400kV MANGDECHH 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BINAGU	484 1050 0 1474 0 11 1 1 1 NATIONAL EXCHAN Name U-ALIPURDUAR 1&2 CEIPT (from p=180MW) URI 1,2,4 (& 4006V RR) 1,6 BINAGURI	499 1555 20440 0 0 0 32 WR-SR NGES	0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.8 21.4	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6 Energy Exchang
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU MEEGEIPT (From TAL/	484 1050 0 0 1474 0 1 1 1 1 1 NATIONAL EXCHAN Name U-ALIPURDUAR 1&2 CEIPT (from 19 180MW) URI 1,2,4 (4 400kV RR) i.e. BINAGURI HEP (6+170MW)	499 1555 2040 0 0 0 0 32 WR-SR NGES Max (MW)	0.0 0.0 0.0 20.6 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 20.6 0.0 0.0 0.8 -42.6 Energy Exchang (MII)
2 3 4 5 6	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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL)- ZEOKV CHUKHA-BIR	484 1050 0 1474 0 11474 1 1 1 INATIONAL EXCHAY Name U-ALIPURDUAR 1&2 CEIPT (from p+180MV) DRI 1,24 (& 400kV RI 1,24 (& 400kV) RI 1,24 (& 400kV)	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122	0.0 0.0 20.6 20.6 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400KV MANGDECTHI i.e. ALIPUDUAR RE MANGDECTH HEF 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR	484 1050 0 1474 0 1 1474 1 1 1 1 INATIONAL EXCHAN Name UALIPURDUAR 1&2 CCEIPT (from 1180MC) 1180MC) RI 1,2,4 (& 400kV RI) i.e. BINAGURI PARA IA2 (& 220kV	499 1555 2040 0 0 0 0 32 WR-SR NGES Max (MW)	0.0 0.0 0.0 20.6 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6
2 3 4 5 6	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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL)- ZEOKV CHUKHA-BIR	484 1050 0 1474 0 1 1474 1 1 1 1 INATIONAL EXCHAN Name UALIPURDUAR 1&2 CCEIPT (from 1180MC) 1180MC) RI 1,2,4 (& 400kV RI) i.e. BINAGURI PARA IA2 (& 220kV	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122	0.0 0.0 20.6 20.6 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 1 1 INTER Line 400KV MANGDECHH ie. ALIPURUAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/	484 1050 0 1050 1050 1474 0 11 11 11 11 11 11 11 11 11 11 11 11 1	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111	0.0 0.0 0.0 20.6 0.0 0.0 0.0 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6
2 3 4 5 6	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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400KV MANGDECTHI i.e. ALIPUDUAR RE MANGDECTH HEF 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR	484 1050 0 1050 1050 1474 0 11 11 11 11 11 11 11 11 11 11 11 11 1	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122	0.0 0.0 20.6 20.6 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW)	-5.8 -15.2 -33.1 -20.6 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) ZUNKV "CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132KV-GEYLEGPHU	484 1050 0 1474 0 11474 1 1 1 1 1 INATIONAL EXCHAY Name U-ALIPURDUAR 1&2 CEIPT (from ** 1880HW) DRI 1,24 (& 400kV RI) RI 1,24 (& 400kV	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111	0.0 0.0 0.0 20.6 0.0 0.0 0.0 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115	-5.8 -15.2 -33.1 -20.6 -0.0 -0.8 -42.6 -2.6 -2.8 -2.8 -2.3
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 1 1 INTER Line 400KV MANGDECHH ie. ALIPURUAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/	484 1050 0 1474 0 11474 1 1 1 1 1 INATIONAL EXCHAY Name U-ALIPURDUAR 1&2 CEIPT (from ** 1880HW) DRI 1,24 (& 400kV RI) RI 1,24 (& 400kV	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111	0.0 0.0 0.0 20.6 0.0 0.0 0.0 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115	-5.8 -15.2 -33.1 -20.6 -0.0 -0.8 -42.6 -2.6 -2.8 -2.8 -2.3
2 3 4 5 6	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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) ZUNKV "CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132KV-GEYLEGPHU	484 1050 0 1474 0 11474 1 1 1 1 1 INATIONAL EXCHAY Name U-ALIPURDUAR 1&2 CEIPT (from ** 1880HW) DRI 1,24 (& 400kV RI) RI 1,24 (& 400kV	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22	0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MIT) -2.8 -0.6 -0.3
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) ZUNKV "CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132KV-GEYLEGPHU	484 1050 0 1474 0 1474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22	0.0 0.0 0.0 20.6 0.0 0.0 0.0 21.4 Min (MW) 114	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -2.3 -0.6 -0.3
2 3 4 5 6	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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 1 1 INTER Line 400kV MANGDECHH LE, ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR MA	484 1050 0 1474 10 11 11 11 11 11 11 11 11 11 11 11 11	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22	0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.8 21.4 Min (MW)	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MIT) -2.8 -0.6 -0.3
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) 20kV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR I 32kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(*)	484 1050 0 1474 10 11 11 11 11 11 11 11 11 11 11 11 11	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22	0.0 0.0 0.0 20.6 0.0 0.0 0.0 21.4 Min (MW) 114	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -2.3 -0.6 -0.3
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL. 220kV CHUKHA-BIR MALBASE - BIRAFAR MALBASE - B	484 1050 0 1474 10 11 11 11 11 11 11 11 11 11 11 11 11	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22	0.0 0.0 0.0 20.6 0.0 0.0 0.0 21.4 Min (MW) 114	5.8 15.2 33.1 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -2.3 -0.6 -0.3
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL. 220kV CHUKHA-BIR MALBASE - BIRAFAR MALBASE - B	484 1050 0 1474 0 11474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 114 67 7	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -0.6 -0.3 -0.1
2 3 4 5 6	HVDC 765 kV 765 kV 265 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER	2 2 2 1 1 1 INTER Line 400KY MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400KY TALA-BINAGI MALBASE - BINAGU ECEIPT (from TAL/ 220KV CHUKHA-BIR RECEIPT (from TAL/ 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR 400KV-MUZAFFARP	484 1050 0 0 1474 0 11474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 1.14 67 7 0 -136	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -0.6 -0.3 -0.1 -1.4 -5.6
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL. 220kV CHUKHA-BIR MALBASE - BIRAFAR MALBASE - B	484 1050 0 0 1474 0 11474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 114 67 7	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -0.6 -0.3 -0.1
2 3 4 5 6	HVDC 765 kV 765 kV 265 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER	2 2 2 1 1 1 INTER Line 400KY MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400KY TALA-BINAGI MALBASE - BINAGU ECEIPT (from TAL/ 220KV CHUKHA-BIR RECEIPT (from TAL/ 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR 400KV-MUZAFFARP	484 1050 0 0 1474 0 11474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 1.14 67 7 0 -136	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -0.6 -0.3 -0.1 -1.4 -5.6
2 3 4 5 6	HVDC 765 kV 765 kV 265 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER ER E	2 2 2 1 1 1 INTER Line 400kV MANGDECHH 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) 220kV CHUKHA-BIR MALBASE - BINAGU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(M MAHENDRANAGAR 400kV-MUZAFFARP 132KV-BIHAR - NEP,	484 1050 0 1474 0 11474 1 1 1 1 1 1 1 NATIONAL EXCHAN Name IU-ALIPURDUAR 1&2 CEIPT (from 180MW) URI 1,24 (& 400kV RI) 1,24 (& 400kV RI 1,24 (& 400kV RI) 1,2	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68 -290	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 114 67 7 0 0 -136	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 2.3 -0.6 -0.3 -0.1 -1.4 -5.6 -4.5
2 3 4 5 6	HVDC 765 kV 765 kV 265 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER	2 2 2 1 1 1 INTER Line 400KY MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400KY TALA-BINAGI MALBASE - BINAGU ECEIPT (from TAL/ 220KV CHUKHA-BIR RECEIPT (from TAL/ 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR 400KV-MUZAFFARP	484 1050 0 1474 0 11474 1 1 1 1 1 1 1 NATIONAL EXCHAN Name IU-ALIPURDUAR 1&2 CEIPT (from 180MW) URI 1,24 (& 400kV RI) 1,24 (& 400kV RI 1,24 (& 400kV RI) 1,2	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 1.14 67 7 0 -136	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56	-5.8 -15.2 -33.1 -20.6 -0.0 -0.8 -42.6 -1.4 -5.6
2 3 4 5 6	HVDC 765 kV 765 kV 265 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER ER E	2 2 2 1 1 1 INTER Line 400kV MANGDECHH 400kV MANGDECHH HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(MAHENDRANAGAR 400kV-MUZAFFARP BHERAMARA HVDC	484 1050 0 1474 0 11474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68 -290	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 114 67 7 0 0 -136	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -3 -0.6 -0.3 -0.1 -1.4 -5.6 -4.5
2 3 4 5 6 7 8	HVDC 765 kV 765 kV 265 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER ER E	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le, ALIPURDIUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAGU HZEKY-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP. BHERAMARA HVDC 132KV-SURAJMANI 132KV-SURAJMANI	484 1050 0 1474 10 11 11 11 11 11 11 11 11 11 11 11 11	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68 -290	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 114 67 7 0 0 -136	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56	-5.8 -1.5.2 -3.3.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -0.6 -0.3 -0.1 -1.4 -5.6
2 3 4 5 6 7 8	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH 400kV MANGDECHH HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(MAHENDRANAGAR 400kV-MUZAFFARP BHERAMARA HVDC	484 1050 0 1474 10 11 11 11 11 11 11 11 11 11 11 11 11	499 1555 2040 0 0 32 WR-SR WGES Max (MW) 122 111 20 22 8 -68 -290 -273	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 1.14 67 0 -136 -76 -344	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56 -234 -186 -494	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 Energy Exchang (MII) -2.8 -2.3 -0.6 -0.3 -0.1 -1.4 -5.6 -4.5 -11.9
2 3 4 5 6 7 8	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER NER NER NER ER	2 2 2 1 1 1 INTER Line 400KV MANGDECHH ie. ALIPUNDUAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GHUKHA-BIR RECEIPT (from TAL/ 220KV CHUKHA-BIR RECEIPT (from TAL/ 220KV CHUKHA-BIR AGECEIPT (from TAL/ 220KV CHUKHA-BIR AGECEIPT (from TAL/ 220KV CHUKHA-BIR AGECEIPT (from TAL/ 220KV-GEYLEGPHU 132KV-TANAKPURN MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI COMILLA(BANGLAI	484 1050 0 1474 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 0 32 WR-SR NGES Max (MW) 122 111 20 22 8 -68 -290 -273 -725	0.0 0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.8 21.4 Min (MW) 114 67 0 0 -136 -76 -344	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56 -234 -186	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 -1.0 -1.4 -5.6 -4.5 -11.9 -1.0
2 3 4 5 6 7 8	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le, ALIPURDIUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAGU HZEKY-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP. BHERAMARA HVDC 132KV-SURAJMANI 132KV-SURAJMANI	484 1050 0 1474 0 11474 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	499 1555 2040 0 0 32 WR-SR WGES Max (MW) 122 111 20 22 8 -68 -290 -273	0.0 0.0 0.0 0.0 20.6 0.0 0.0 0.0 0.0 0.0 1.14 67 0 -136 -76 -344	5.8 15.2 33.1 0.0 0.0 0.0 0.0 0.0 64.0 Avg (MW) 115 95 -25 13 -3 -56 -234 -186 -494	-5.8 -15.2 -33.1 -20.6 -0.0 -0.0 -0.8 -42.6 -1.1 -2.8 -2.3 -0.6 -0.3 -0.1 -1.4 -5.6 -4.5 -11.9