

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 26th July 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 25.07.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जुलाई-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 25th July 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	61368	44193	34332	23777	2954	166624
Peak Shortage (MW)	480	0	0	140	0	620
Energy Met (MU)	1438	1027	843	505	57	3870
Hydro Gen (MU)	373	23	117	125	29	667
Wind Gen (MU)	18	186	222	-	-	427
Solar Gen (MU)*	45.03	17.24	94.06	4.91	0.20	161
Energy Shortage (MU)	4.72	0.00	0.00	0.42	0.04	5.18
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66832	44201	38125	24331	2954	170573
Time Of Maximum Demand Met (From NLDC SCADA)	22:16	08:43	10:29	23:06	20:00	20:39
B. Frequency Profile (%)						
Region FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India 0.027	0.00	0.53	1.32	1.85	78.94	19.21

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shorta
		dav(MW)	Demand(MW)	(IVIC)	(MU)	(MC)	(14144)	(MU
	Punjab	12268	0	286.0	180.8	-1.8	153	0.00
	Haryana	9195	0	201.0	173.9	2.1	425	0.00
	Rajasthan	12024	0	255.2	97.6	2.5	665	0.00
	Delhi	6007	0	116.3	103.9	-1.5	87	0.00
NR	UP	23551	0	457.6	213.1	1.3	808	1.27
	Uttarakhand	1926	0	42.6	13.3	1.1	179	0.00
	HP	1358	0	27.5	-7.9	-4.4	0	0.00
	J&K(UT) & Ladakh(UT)	2332	250	45.9	20.8	-0.1	263	3.45
	Chandigarh	292	0	6.0	6.5	-0.4	13	0.00
	Chhattisgarh	3908	0	90.4	43.5	0.8	374	0.00
	Gujarat	13332	0	304.5	140.8	-2.4	711	0.00
	MP	8576	0	189.1	105.6	-1.2	336	0.00
WR	Maharashtra	17449	0	387.9	116.3	-4.3	734	0.00
	Goa	515	0	10.9	9.9	0.4	40	0.0
	DD	296	0	6.5	6.5	0.0	27	0.0
	DNH	804	0	18.9	18.9	0.0	36	0.0
	AMNSIL	851	0	18.6	7.1	-0.4	347	0.0
	Andhra Pradesh	7941	0	169.1	40.6	-1.1	484	0.0
	Telangana	8964	0	177.0	64.8	0.7	620	0.0
SR	Karnataka	6577	0	131.5	0.7	-4.8	844	0.0
	Kerala	2928	0	60.1	19.2	-0.4	213	0.0
	Tamil Nadu	12721	0	296.6	111.1	-3.3	515	0.0
	Puducherry	397	0	8.8	8.4	0.4	62	0.0
	Bihar	6632	0	129.7	122.9	0.8	405	0.0
	DVC	3047	0	64.5	-40.2	0.0	229	0.00
	Jharkhand	1677	0	30.4	26.5	-2.1	182	0.42
ER	Odisha	5968	0	113.9	38.4	0.0	248	0.0
	West Bengal	8524	0	165.1	52.8	0.8	501	0.00
	Sikkim	69	0	1.1	1.2	-0.1	15	0.00
	Arunachal Pradesh	130	0	2.3	2.3	0.1	46	0.01
	Assam	1917	0	37.8	31.1	0.4	107	0.00
	Manipur	198	Ů	2.5	2.6	-0.1	24	0.0
NER	Meghalaya	305	Ů	5.6	2.6	-0.2	47	0.00
. ,	Mizoram	92	0	1.6	1.5	0.0	21	0.0
	Nagaland	140	0	2.6	2.3	-0.2	13	0.01
	n ·	205	0	4.7	4.3	-0.2	45	0.01

	D. Transnational Ex	changes (MU) - Imp	ort(+ve)/Export(-ve)
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	Bhutan	Nepal	Bangladesh
Actual (MU)	33.0	-2.7	-21.9
Day Peak (MW)	1602.0	-290.6	-953.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	389.4	-248.3	-41.7	-96.2	-3.3	0.0
Actual(MU)	394.3	-259.7	-49.1	-88.0	-3.9	-6.3
O/D/U/D(MU)	4.9	-11.4	-7.4	8.2	-0.6	-6.3

F. Generation Outage(MW)

r. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7692	15015	11082	660	259	34707	41
State Sector	9915	22095	11868	5420	47	49345	59
Total	17607	37110	22950	6080	305	84052	100

G. Sourcewise generation (MU)

or bourcewise generation (172)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	544	1007	355	481	10	2397	60
Lignite	24	12	39	0	0	76	2
Hydro	373	23	117	125	29	667	17
Nuclear	30	33	42	0	0	105	3
Gas, Naptha & Diesel	22	23	12	0	27	85	2
RES (Wind, Solar, Biomass & Others)	85	204	342	5	0	637	16
Total	1079	1303	907	611	66	3966	100
Share of RES in total generation (%)	7.02	15.64	25.55	0.01	0.20	16.06	ì
Share of RES in total generation (%)	7.92	15.64	37.75	0.81	0.30	16.06	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	45.25	19.92	55.26	21.33	43.86	35.51	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.074

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: 26-Jul-2021

SI							Date of Reporting:	26-Jul-2021
No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	t/Export of ER (With NR) ALIPURDUAR-AGRA		I 0	2001	0.0	25.2	25.2
2	HVDC HVDC	PUSAULI B/B	4	0	2001 245	0.0	35.3 5.9	-35.3 -5.9
3	765 kV	GAYA-VARANASI	2	Ŏ	792	0.0	12.0	-12.0
4	765 kV	SASARAM-FATEHPUR	1	304	56	2.5	0.0	2.5
5	765 kV	GAYA-BALIA BUGATU I VADANACI	1	0	741	0.0	12.7 4.9	-12.7
7	400 kV 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	245 74	0.0	0.9	-4.9 -0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	578	0.0	8.8	-8.8
9	400 kV	PATNA-BALIA	4	Õ	1211	0.0	20.4	-20.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	336	0.0	4.1	-4.1
11	400 kV	MOTIHARI-GORAKHPUR	2 2	0 52	368 194	0.0	5.8 2.1	-5.8
12	400 kV 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	1	2	149	0.0	2.5	-2.1 -2.5
14	132 kV	SONE NAGAR-RIHAND	i	ő	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	Ö	0.7	0.0	0.7
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0 ED ND	0.0	0.0	0.0
Impor	t/Export of ER (With WR)			ER-NR	3.2	115.2	-111.9
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	790	524	5.1	0.0	5.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2057	0	37.1	0.0	37.1
3	765 kV	JHARSUGUDA-DURG	2	277	0	5.3	0.0	5.3
4	400 kV		4	211	245	0.1	0.0	0.1
		JHARSUGUDA-RAIGARH						
5	400 kV	RANCHI-SIPAT	2	570	0	9.2	0.0	9.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	109	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	127	0	2.0	0.0	2.0
Imper	t/Export of ER (With SR)			ER-WR	58.8	1.5	57.3
1	HVDC	JEYPORE-GAZUWAKA B/B	2	304	0	7.2	0.0	7.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1342	0.0	25.7	-25.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2282	0.0	32.5	-32.5
4	400 kV	TALCHER-I/C	2	604	593	0.0	1.1	-1.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0 FR-SR	0.0	0.0 58 2	0.0
Impor	t/Export of ER (With NER)			ER-SR	7.2	58.2	-51.0
1		BINAGURI-BONGAIGAON	2	0	391	0.0	7.1	-7.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	125	238	0.0	2.1	-2.1
3		ALIPURDUAR-SALAKATI	2	0	113	0.0	2.0	-2.0
-					ER-NER	0.0	11.2	-11.2
1mpor	t/Export of NER HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	16.9	16.0
	пурс	BISWANATH CHARIALI-AGRA			NER-NR	0.0	16.9	-16.9 -16.9
Impor	t/Export of WR	(With NR)			.,	0.0		-10.7
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4535	0.0	62.1	-62.1
2	HVDC	VINDHYACHAL B/B		0	253	0.0	3.3	-3.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1916	0.0	29.2	-29.2
4 5	765 kV	GWALIOR-AGRA	2 2	0	3275	0.0	62.0	-62.0
6	765 kV 765 kV	GWALIOR-PHAGI JABALPUR-ORAI	2	0	1936 1450	0.0	35.1 54.7	-35.1 -54.7
7	765 kV	GWALIOR-ORAI	ĩ	687	0	12.1	0.0	12.1
8	765 kV	SATNA-ORAI	1	0	1588	0.0	32.6	-32.6
9	765 kV	BANASKANTHA-CHITORGARH	2	Δ.				
	/05 K V		4	0	988	0.0	12.3	-12.3
10	400 kV	ZERDA-KANKROLI	1	60	128	0.0	1.0	-1.0
10 11	400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	60 100	128 185	0.0 0.0	1.0 1.2	-1.0 -1.2
10 11 12	400 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND	1 1 1	60 100 964	128 185 0	0.0 0.0 21.9	1.0 1.2 0.0	-1.0 -1.2 21.9
10 11 12 13	400 kV 400 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2	60 100 964 0	128 185 0 753	0.0 0.0 21.9 0.0	1.0 1.2 0.0 12.2	-1.0 -1.2 21.9 -12.2
10 11 12 13 14	400 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 1 1 2 1	60 100 964	128 185 0	0.0 0.0 21.9 0.0 0.0	1.0 1.2 0.0	-1.0 -1.2 21.9 -12.2 -2.7
10 11 12 13	400 kV 400 kV 400 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2 1 1 1	60 100 964 0	128 185 0 753 167	0.0 0.0 21.9 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4	-1.0 -1.2 21.9 -12.2
10 11 12 13 14 15 16 17	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA	1 1 1 2 1 1 1 1	60 100 964 0 0 0 84 46	128 185 0 753 167 30 16 48	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0	-1.0 -1.2 21.9 -12.2 -2.7 -2.6 -0.3 0.5
10 11 12 13 14 15 16 17 18	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 2 1 1 1 1 1	60 100 964 0 0 0 84 46	128 185 0 753 167 30 16 48	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0	-1.0 -1.2 21.9 -12.2 -2.7 -2.6 -0.3 0.5 0.0
10 11 12 13 14 15 16 17	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA	1 1 1 2 1 1 1 1	60 100 964 0 0 0 84 46	128 185 0 753 167 30 16 48 0	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0	-1.0 -1.2 21.9 -12.2 -2.7 -2.6 -0.3 0.5 0.0 0.0
10 11 12 13 14 15 16 17 18	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 2 1 1 1 1 1	60 100 964 0 0 0 84 46	128 185 0 753 167 30 16 48	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0	-1.0 -1.2 21.9 -12.2 -2.7 -2.6 -0.3 0.5 0.0
10 11 12 13 14 15 16 17 18	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WARM MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	1 1 2 1 1 1 1 1	60 100 964 0 0 0 84 46 0	128 185 0 753 167 30 16 48 0	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 34.6	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0	-1.0 -1.2 -1.2 -12.2 -12.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -276.9
10 11 12 13 14 15 16 17 18 19 Impor 1	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV ttExport of WR HVDC HVDC	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGABH-PUGALUR	1 1 2 2 1 1 1 1 1 1 1 1 2 2 2 2 2 2	60 100 964 0 0 0 84 46 0 0	128 185 0 753 167 30 16 48 0 0 WR-NR	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5	-1.0 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -276.9
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC T65 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WHIDR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 1 1 2 1 1 1 1 1 1 1 2 2 1 1 1 1 2 2 2 2 2 2 2	60 100 964 0 0 0 84 46 0 0 594 2149 2031	128 185 0 753 167 30 16 48 0 WR-NR	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 311.5	-1.0 -1.2 -1.2 -1.2 -12.2 -2.7 -2.6 -0.3 -0.5 -0.0 -276.9 -10.8 -38.1 -18.9
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHIS SR) BHADRAWATI B/B RAIGANH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391	128 185 0 753 167 30 16 48 0 WR-NR	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5	-1.0 -1.2 -1.2 -1.2 -1.2.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WISHORI-SAWAI MADHOPUR RAJGHAT-LALITPUR (WISH SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLBAPUR-RUDGI	1	60 100 964 0 0 0 84 46 0 0 594 2149 2031 391 1389	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 311.5 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -276.9 -276.9 -10.8 -38.1 -14.2 -1.3
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC T65 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIGH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0	128 185 0 753 167 30 16 48 0 WR-NR	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-1.0 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -21.3 -0.0
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 400 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WISHORI-SAWAI MADHOPUR RAJGHAT-LALITPUR (WISH SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLBAPUR-RUDGI	1	60 100 964 0 0 0 84 46 0 0 594 2149 2031 391 1389	128 185 0 753 167 30 16 48 0 WR-NR 0 648 1737 0 0 76	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 311.5 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -276.9 -276.9 -10.8 -38.1 -14.2 -1.3
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0	128 185 0 753 167 30 16 48 0 0 WR-NR 0 0 648 1737 0 0	0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 311.5	1.0 1.2 21.9 12.2 2.7 -2.6 -0.3 0.5 0.0 0.0 -276.9 10.8 38.1 18.9 -14.2 21.3 0.0
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0	128 185 0 753 167 30 16 48 0 WR-NR 0 648 1737 0 0 76	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5	1.0 1.2 21.9 12.2 21.9 12.2 2.7 2.6 0.3 0.5 0.0 0.0 276.9 10.8 38.1 18.9 -14.2 21.3 0.0 0.0 1.4 76.2 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0	128 185 0 753 167 30 16 48 0 WR-NR 0 0 0 WR-NR 0 0 WR-NR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5 0.0 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Imports	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 +ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 400 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0	128 185 0 753 167 30 16 48 0 WR-NR 0 648 1737 0 0 76	0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5	1.0 1.2 21.9 12.2 21.9 12.2 2.7 2.6 0.3 0.5 0.0 0.0 276.9 10.8 38.1 18.9 -14.2 21.3 0.0 0.0 1.4 76.2 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 CCHANGES Name	128 185 0 753 167 30 16 48 0 WR-NR 0 0 0 WR-NR 0 0 WR-NR 0 WR-NR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.0 1.2 0.0 1.2.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 1311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW)	1.0 1.12 2.1.9 2.1.9 2.2.7 -2.6 -0.3 0.5 0.0 0.0 0.0 2.76.9 10.8 38.1 18.9 -14.2 2.1.3 0.0 0.0 1.4 76.2 +ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from	128 185 0 753 167 30 16 48 0 WR-NR 0 0 0 WR-NR 0 0 WR-NR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5 0.0 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Imports	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 +ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW)	128 185 0 753 167 30 16 48 0 WR-NR 0 0 0 WR-NR 0 0 WR-NR 0 WR-NR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW)	1.0 1.12 2.1.9 2.1.9 2.2.7 -2.6 -0.3 0.5 0.0 0.0 0.0 2.76.9 10.8 38.1 18.9 -14.2 2.1.3 0.0 0.0 1.4 76.2 +ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) IRI 1,24 (& 400kV) IRI 1,24 (& 40kV)	128 185 0 753 167 30 16 48 0 WR-NR 0 0 0 WR-NR 0 0 WR-NR 0 WR-NR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.0 1.2 0.0 1.2.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 1311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW)	1.0 1.12 2.1.9 2.1.9 2.2.7 -2.6 -0.3 0.5 0.0 0.0 0.0 2.76.9 10.8 38.1 18.9 -14.2 2.1.3 0.0 0.0 1.4 76.2 +ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 Impor 1 2 3 4 5 6	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-MURAMBAD KOLHAPUR-KUDGI KOLHAPUR-MURAMBAD KOLHAPUR-KUDGI KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-KUDGI KOLHAMBEWADI IN REGION	1	60 100 964 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) IRI 1,24 (& 400kV) IRI 1,24 (& 40kV)	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 648 1737 0 0 0 76 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW)	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -276.9 -276.9 -276.9 -21.3 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL -RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUGH KOLHAPUR-KUDGH KOLHAP	1	60 100	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 1737 0 0 0 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 0.0 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 14.6 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW)	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -14.2 -14.2 -14.2 -14.2 -14.4 -14.2 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.6 -14.4 -14.6 -14.4 -14.6
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14/Export of WR HVDC HVDC 765 kV 400 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-MURAMBAD KOLHAPUR-KUDGI KOLHAPUR-MURAMBAD KOLHAPUR-KUDGI KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-MURAMBAD KOLHAPUR-KUDGI KOLHAMBEWADI IN REGION	1	60	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 648 1737 0 0 0 76 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW)	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -276.9 -276.9 -276.9 -21.3 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL -RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUGH KOLHAPUR-KUDGH KOLHAP	1	60	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 1737 0 0 0 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 0.0 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW) 460	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -14.2 -14.2 -14.2 -14.2 -14.4 -14.2 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.6 -14.4 -14.6 -14.4 -14.6
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL -RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUGH KOLHAPUR-KUDGH KOLHAP	1	60	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 1737 0 0 0 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 0.0 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 14.6 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW)	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -14.2 -14.2 -14.2 -14.2 -14.4 -14.2 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.4 -14.6 -14.4 -14.6 -14.4 -14.6
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL JINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	1	60	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 1737 0 0 0 76 WR-SR Max (MW) 643	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7 Min (MW)	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW) 460	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -18.9 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 1 1 12 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL JINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	1	60 100 964 0 0 0 84 46 0 0 594 2149 2031 391 1389 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) NRI 1,2,4 (& 400KV) RI 1,2,4 (& 400KV) R	128 185 0 753 167 30 16 48 0 WR-NR 0 0 648 1737 0 0 0 76 WR-SR Max (MW) 643	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7 Min (MW)	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW) 460	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -18.9 -14.2 -21.3 -0.0 -1.4 -76.2 +ve)/Export(-ve)
10 11 12 13 14 15 16 17 18 19 1 1 12 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	1	60 100 964 0 0 0 84 46 0 0 594 2149 2031 391 1389 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) NRI 1,2,4 (& 400KV) RI 1,2,4 (& 400KV) R	128 1885 0 753 167 30 166 48 0 WR-NR 0 0 48 1737 0 0 0 648 1737 0 0 0 76 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 -+ve)/Export(-ve) Energy Exchange (MU) -11.0 -13.1 -7.2 -7.2
10 11 12 13 14 15 16 17 18 19 1 1 12 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL JINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI ER ER ER ER NER	1	60 100 964 0 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW)** RI 1,24 (k 400kV RI) i.e. BINAGURI LIEP (**1970MW) PARA 1 & 2 (k 220kV A) i.e. BIRPARA A) i.e.	128 185 0 753 167 30 16 48 0 WR-NR 0 0 48 1737 0 0 648 1737 0 0 76 WR-SR Max (MW) 643 547	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 1 12 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	1	60 100 964 0 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW)** RI 1,24 (k 400kV RI) i.e. BINAGURI LIEP (**1970MW) PARA 1 & 2 (k 220kV A) i.e. BIRPARA A) i.e.	128 1885 0 753 167 30 166 48 0 WR-NR 0 0 48 1737 0 0 0 648 1737 0 0 0 76 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 14.6 0.0 0.0 14.6 Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -0.0 -276.9 -10.8 -38.1 -14.2 -21.3 -0.0 -0.0 -1.4 -76.2 -+ve)/Export(-ve) Energy Exchange (MU) -11.0 -13.1 -7.2 -7.2
10 11 12 13 14 15 16 17 18 19 1 19 1 10 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL JINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI ER ER ER ER NER	1	60 100 964 0 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW)** RI 1,24 (k 400kV RI) i.e. BINAGURI LIEP (**1970MW) PARA 1 & 2 (k 220kV A) i.e. BIRPARA A) i.e.	128 185 0 753 167 30 16 48 0 WR-NR 0 0 48 1737 0 0 648 1737 0 0 76 WR-SR Max (MW) 643 547	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 10 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14Export of WR 400 kV 220 kV 220 kV 220 kV 400 kV 220 kV 220 kV	ZERDA-KANKROLI ZERDA-SHINMAL JINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI ER ER ER ER NER	1	60 100 964 0 0 0 0 84 46 0 0 109 84 46 0 0 109 109 109 109 109 109 109 109 109	128 185 0 753 167 30 16 48 0 WR-NR 0 0 48 1737 0 0 648 1737 0 0 76 WR-SR Max (MW) 643 547	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 12.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 10 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 0 84 46 0 0 109 84 46 0 0 109 109 109 109 109 109 109 109 109	128 1885 0 753 167 30 166 48 0 WR-NR 0 0 648 1737 0 0 76 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 1.4 90.7 Min (MW)	1.0 1.2 0.0 1.2 0.0 1.2.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 14.6 Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 10 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-SHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 84 46 0 0 0 100 84 46 0 0 100 100 100 100 100 100 100 100 10	128 185 0 157 30 167 30 16 48 0 0 WR-NR 0 0 48 1737 0 0 648 1737 0 0 76 WR-SR Max (MW) 643 547 27 60 -76	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW) 460 544 301 20 -42	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 10 2 3 4 4 5 6 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 0 84 46 0 0 109 84 46 0 0 109 109 109 109 109 109 109 109 109	128 1885 0 753 167 30 166 48 0 WR-NR 0 0 648 1737 0 0 76 WR-SR	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 1.4 90.7 Min (MW)	1.0 1.2 0.0 1.2 0.0 1.2.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 14.6 Avg (MW) 460 544	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-SHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 84 46 0 0 2594 2149 2031 391 391 391 1389 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW)** RI 1,24 (& 4000V RI 1,2	128 185 0 157 30 167 30 16 48 0 0 WR-NR 0 0 48 1737 0 0 648 1737 0 0 76 WR-SR Max (MW) 643 547 27 60 -76	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW) 460 544 301 20 -42	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-SHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 84 46 0 0 2594 2149 2031 391 391 391 1389 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW)** RI 1,24 (& 4000V RI 1,2	128 185 0 157 30 167 30 16 48 0 0 WR-NR 0 0 48 1737 0 0 648 1737 0 0 76 WR-SR Max (MW) 643 547 27 60 -76	0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 1.4 90.7	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import(Avg (MW) 460 544 301 20 -42	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 1 19 1 2 3 4 5 6 7 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANTA MALANPURA-WANTA MALANPURA-WANTA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 84 46 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180HW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (**170MW) ARA 1 AZ (& 200kV A) i.e. BIRPARA KHA HEP 4**84MW) LAKATI ANGIA MUZAFFARPUR 1&2 WDC (BANGLADESH)	128 1885 0 753 167 30 166 48 0 WR-NR 0 0 648 1737 0 0 0 76 WR-SR Max (MW) 643 547 325 27 60 -76 -104	0.0 0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 1.4 90.7 Min (MW)	1.0 1.2 0.0 1.2 0.0 1.2.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 0.0 11.5 0.0 0.0 0.0 14.6 14.6 14.6 14.6 14.6 15.44 301 20 -42	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 11 12 13 14 15 16 17 18 19 1 19 1 10 2 3 3 4 4 5 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14Export of WR HVDC HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV 32 kV 132 k	ZERDA-KANKROLI ZERDA-SHINMAL YINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER NER ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 84 46 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180HW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (**170MW) ARA 1 AZ (& 200kV A) i.e. BIRPARA KHA HEP 4**84MW) LAKATI ANGIA MUZAFFARPUR 1&2 WDC (BANGLADESH)	128 1885 0 753 167 30 16 48 0 WR-NR 0 WR-NR 0 0 48 1737 0 0 0 48 1737 0 0 0 48 1737 0 0 0 76 WR-SR	0.0 0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.1 1.4 90.7 Min (MW) 529 0 8 38 0 -2	1.0 1.2 0.0 1.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 0.0 311.5 0.0 0.0 0.0 14.6 0.0 0.0 14.6 Import Avg (MW) 460 544 301 20 -42 -27 -41	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
10 11 12 13 14 15 16 17 18 19 19 11 10 2 3 3 4 4 5 6 7 8	400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 153 kV 155 kV 165 kV 16	ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANTA MALANPURA-WANTA MALANPURA-WANTA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 100 964 0 0 0 84 46 0 0 0 84 46 0 0 0 594 2149 2031 391 1389 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180HW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (**170MW) ARA 1 AZ (& 200kV A) i.e. BIRPARA KHA HEP 4**84MW) LAKATI ANGIA MUZAFFARPUR 1&2 WDC (BANGLADESH)	128 1885 0 753 167 30 166 48 0 WR-NR 0 0 648 1737 0 0 0 76 WR-SR Max (MW) 643 547 325 27 60 -76 -104	0.0 0.0 0.0 0.0 21.9 0.0 0.0 0.0 0.0 0.1 0.5 0.0 0.0 0.0 34.6 10.8 38.1 18.9 0.3 21.3 0.0 0.0 0.0 1.4 90.7 Min (MW)	1.0 1.2 0.0 1.2 0.0 1.2.2 2.7 2.6 0.4 0.0 0.0 0.0 0.0 0.0 11.5 0.0 0.0 0.0 14.6 14.6 14.6 14.6 14.6 15.44 301 20 -42	-1.0 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2.2 -2.7 -2.6 -0.3 -0.5 -0.0 -0.0 -2.76.9 -10.8 -3.8.1 -14.2 -1.3 -0.0 -0.0 -1.4 -76.2 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4