

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर 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: 22nd Feb 2019

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. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह, लापलंग, शिलोंग ७९३००६ Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 21.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-फ़रवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 21st February 2019, 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 22-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43402	48074	44039	18002	2462	155979
Peak Shortage (MW)	674	0	0	0	50	724
Energy Met (MU)	887	1144	1038	376	43	3488
Hydro Gen (MU)	153	26	79	28	3	288
Wind Gen (MU)	8	33	66			107
Solar Gen (MU)*	18.64	22.49	81.99	1.02	0.06	124
Energy Shortage (MU)	10.2	0.3	0.0	0.0	0.3	10.8
Maximum Demand Met during the day	44389	54600	46241	19140	2472	159311
(MW) & time (from NLDC SCADA)	18.56	11.00	00.30	18-53	18.01	18.57

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	0.071	0.00	3.18	17.28	20.46	66.53	13.01

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU
	Punjab	4948	0	97.9	38.2	-1.7	60	0.0
	Haryana	5993	0	113.4	82.7	-0.2	266	0.0
	Rajasthan	11656	0	233.4	75.6	-0.4	337	0.0
	Delhi	3819	0	65.0	61.1	-1.4	140	0.0
NR	UP	14329	0	263.7	110.1	0.2	261	0.0
	Uttarakhand	1994	0	37.0	22.9	-0.2	114	0.0
	HP	1458	20	30.8	21.1	-1.5	21	0.1
	J&K	2198	549	42.9	39.7	-4.7	222	10.2
	Chandigarh	226	0	3.4	3.9	-0.5	13	0.0
	Chhattisgarh	4019	0	91.1	29.6	-0.5	248	0.3
	Gujarat	15307	0	335.8	103.8	3.2	575	0.0
WR	MP	12016	0	222.8	105.1	-1.2	594	0.0
	Maharashtra	21020	0	442.4	124.0	0.4	535	0.0
	Goa	532	0	11.2	10.2	0.5	88	0.0
	DD	319	0	7.2	6.9	0.3	46	0.0
	DNH	799	0	18.5	18.5	0.0	43	0.0
	Essar steel	677	0	14.9	14.8	0.1	201	0.0
	Andhra Pradesh	8769	0	193.6	76.0	0.6	682	0.0
	Telangana	9624	0	205.5	76.3	1.0	581	0.0
SR	Karnataka	11698	0	231.5	69.5	-0.7	467	0.0
3K	Kerala	3774	0	76.9	55.4	0.8	244	0.0
	Tamil Nadu	15104	0	323.0	163.7	-1.8	558	0.0
	Pondy	369	0	7.7	7.8	-0.1	29	0.0
	Bihar	4089	0	71.1	65.0	0.7	460	0.0
	DVC	3067	0	65.1	-45.3	-0.4	396	0.0
ER	Jharkhand	1119	0	23.0	17.0	-0.1	169	0.0
EK	Odisha	4146	0	78.0	24.4	1.0	267	0.0
	West Bengal	7177	0	137.0	26.1	0.2	309	0.0
	Sikkim	99	0	1.4	1.5	0.0	18	0.0
	Arunachal Pradesh	119	3	2.2	2.6	-0.4	16	0.0
	Assam	1404	35	23.6	19.5	0.2	112	0.2
	Manipur	183	3	2.6	2.7	-0.1	51	0.0
NER	Meghalaya	350	0	6.5	5.4	0.0	33	0.0
	Mizoram	92	2	1.8	1.5	0.1	5	0.0
	Nagaland	122	2	2.2	2.2	-0.1	11	0.0
	Tripura	248	1	3.8	2.1	-0.3	30	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-6.6	-17.2
Day peak (MW)	138.2	-289.0	-836.0

 $\underline{\textbf{E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)}\\$

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.8	-234.8	130.1	-75.4	7.7	0.3
Actual(MU)	163.5	-233.3	133.1	-69.7	6.3	-0.1
O/D/U/D(MU)	-9.3	1.5	3.0	5.7	-1.3	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5201	13584	7172	2030	485	28472
State Sector	11135	15976	7120	3065	50	37346
Total	16336	29560	14292	5095	534	65817

	NR	WR	SR	ER	NER	All India
Coal	471	1219	534	442	8	2674
Lignite	22	14	54	0	0	90
Hydro	153	26	79	28	3	288
Nuclear	23	31	35	0	0	90
Gas, Naptha & Diesel	19	40	18	0	29	106
RES (Wind, Solar, Biomass & Others)	58	59	189	1	0	307
Total	746	1389	910	471	40	3555
Share of RES in total generation (%)	7.77	4.25	20.77	0.23	0.15	8.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.37	8.37	33.35	6.08	6.84	19.27

H. Diversity Factor	
All India Demand Diversity Factor	1.047

Diversity factor = Sum of regional maximum demands / All India maximum demand

 $[\]textbf{*Source:} \ RLDCs \ for \ solar \ connected \ to \ ISTS; \ SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

		INIE	R-REGIO	JNAL EA	CHANGES	Date of 1	Reporting :	22-Fel
								Import=(+ve) /Export =(-ve) for NET (MU
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	export of	ER (With NR)	D/C		262	0.0	5.4	
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	61	362 173	0.0	5.4 1.0	-5.4 -1.0
3	70211	GAYA-BALIA	S/C	0	483	0.0	8.4	-8.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.1	-3.1
6		PUSAULI-VARANASI	S/C	0	122	0.0	0.0	0.0
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	0	70 567	0.0	1.0 8.7	-1.0 -8.7
9	400 kV	PATNA-BALIA	Q/C	0	675	0.0	12.0	-12.0
10	100 111	BIHARSHARIFF-BALIA	D/C	0	374	0.0	7.1	-7.1
11		MOTIHARI-GORAKHPUR	D/C	0	252	0.0	4.8	-4.8
12		BIHARSHARIFF-VARANASI	D/C	20	196	0.0	2.2	-2.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.4	-2.4
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
4.00		ED (WALL WID)			ER-NR	0.6	56.2	-55.6
	export of	ER (With WR)	1					
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1835	0	36.5	0.0	36.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	531	282	3.4	0.0	3.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	194	82	1.3	0.0	1.3
21		RANCHI-SIPAT	D/C	259	32	3.2	0.0	3.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	106	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	178	ER-WR	3.4 47.9	0.0	3.4 46.4
nnort/F	export of	ER (With SR)			ER-WK	47.9	1.4	40.4
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1663.0	0.0	29.3	-29.3
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2456.0	0.0	51.9	-51.9
27	400 kV	TALCHER-I/C	D/C	0.0	907.0	0.0	23.6	-23.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
29 30	400 kV	BINAGURI-BONGAIGAON	D/C	286	202	1.8	0.0	2
		ALIPURDUAR-BONGAIGAON	D/C	203	116	3.9	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C D/C	203	69	0.1	0.0	0
31		ALIPURDUAR-SALAKATI	_		+			ł
31	Export of	ALIPURDUAR-SALAKATI NER (With NR)	_	25	69 ER-NER	0.1 5.8	0.0 0.0	5.8
31	Export of	ALIPURDUAR-SALAKATI	_		69 ER-NER	0.1 5.8	0.0 0.0	0 5.8
31 mport/E 32	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA	_	25	69 ER-NER	0.1 5.8	0.0 0.0	5.8
31 mport/E 32	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR)	_	25	69 ER-NER	0.1 5.8	0.0 0.0	0 5.8
mport/E 32	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	D/C	659	69 ER-NER 0 NER-NR	0.1 5.8 12.9 12.9	0.0 0.0 0.0 0.0	0 5.8 12.9 12.9
31 mport/E 32 mport/E 33	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C - D/C	659	69 ER-NER 0 NER-NR	0.1 5.8 12.9 12.9 0.0	0.0 0.0 0.0 0.0 19.0	0 5.8 12.9 12.9 -19.0
31 mport/E 32 mport/E 33 34	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C D/C D/C	0 243 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283	0.1 5.8 12.9 12.9 0.0 6.1	0.0 0.0 0.0 0.0 19.0 0.0	0 5.8 12.9 12.9 -19.0 6.1
31 mport/E 32 mport/E 33 34 35 36 37	Export of HVDC Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3	12.9 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3
31 mport/E 32 mport/E 33 34 35 36 37 38	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5
31 mport/E 32 mport/E 33 34 35 36 37 38 39	Export of HVDC Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C	0 243 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40	Export of HVDC Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41	Export of HVDC Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 600 0 166	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0 2.6	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6
31 nport/E 32 nport/E 33 34 35 36 37 38 39 40 41 42	Export of HVDC Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 600 0 166 119	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0 2.6 0.0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1
31 nport/E 32 nport/E 33 34 35 36 37 38 39 40 41 42 43	Export of HVDC Export of HVDC 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	D/C D/C D/C D/C D/C D/C D/C S/C S	0 0 243 0 0 0 0 0 600 0 166 119 958	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9
31 mport/E 32 33 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC Export of HVDC 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 0 166 119 958 64	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0	12.9 12.9 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45	Export of HVDC Export of HVDC 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA	D/C D/C D/C D/C D/C D/C D/C S/C S	0 0 243 0 0 0 0 0 0 0 166 119 958 64 35	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8
31 mport/E 32 33 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC Export of HVDC 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 0 166 119 958 64	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0	12.9 12.9 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Export of HVDC Export of HVDC 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA	D/C D/C D/C D/C D/C D/C D/C S/C S	25 659 0 243 0 0 0 0 0 600 0 166 119 958 64 35 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 2.6 0.0 0.0	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1.2 0.0 1.3 0.0 1.4 0.0 1.5 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Export of HVDC Export of HVDC 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 0 166 119 958 64 35 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 1.0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 0.0 1.2 0.0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of HVDC Export of HVDC 765 kV 400 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 600 0 166 119 958 64 35 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 0.0	0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 0.8 1.4 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0
31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48 49	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 600 0 166 119 958 64 35 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 0.0 20.9 0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1 0.0 1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1
31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48 49	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AWAI MADHOPUR	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 600 0 166 119 958 64 35 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 0.0 20.9 0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1 0.0 1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 600 0 166 119 958 64 35 0 98 46	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 1112 0 29 0 WR-NR	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 0 0 166 119 958 64 35 0 98 46 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1 0.0 1 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 mport/E 50 51	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1 0.0 1 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 mport/E 50 51 52 53 54	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR IABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 0 0 600 0 166 119 958 64 35 0 0 98 46 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR 995 0 1984	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 1.0 0.0 1.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4
31 mport/E 32 mport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 mport/E 50 51 52 53	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C	0 243 0 0 0 0 0 0 0 0 0 166 119 958 64 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR 995 0 1984 2064 0 0	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 1.0 0.2 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4
31 nport/E 32 nport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 nport/E 50 51 52 53 54 55 56	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C	0 0 243 0 0 0 0 0 600 0 166 119 958 64 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR 995 0 1984 2064 0	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4 -23.8 0.0 -23.3 0.0 -23.3 0.0 -23.3 0.0 -25.5 -20.5
31 nport/E 32 nport/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 nport/E 51 52 53 54	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI KOLHAPUR-CHIKODI	D/C	0 243 0 0 0 0 0 0 0 0 0 166 119 958 64 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 225 112 0 29 0 WR-NR 995 0 1984 2064 0 0 0 54 66	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0 0.0 1.0 0.2 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4
31 31 32 32 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 40 50 51 55 55 55 55 55 5	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C	0 0 243 0 0 0 0 0 600 0 166 119 958 64 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR 995 0 1984 2064 0 0 0 54	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4 -23.8 0.0 -23.3 0.0 -23.3 0.0 -23.3 0.0 -25.5 -20.5
31 31 32 32 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 40 50 51 55 55 55 55 55 5	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C	0 0 243 0 0 0 0 0 600 0 166 119 958 64 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR 995 0 1984 2064 0 0 0 54 66 WR-SR	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1 0.0 161.9 23.8 0.0 0.3 32.0 0.0 0.5 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4 -23.8 0.0 -23.3 -32.0 0.0 -3
31 32 33 34 33 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 49 40 41 50 51 51 52 53 54 55 56	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C	0 0 243 0 0 0 0 0 600 0 166 119 958 64 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	69 ER-NER 0 NER-NR 801 0 1550 2283 992 636 0 1353 30 228 0 242 25 112 0 29 0 WR-NR 995 0 1984 2064 0 0 0 54 66 WR-SR	0.1 5.8 12.9 12.9 0.0 6.1 0.0 0.0 0.0 10.8 0.0 2.6 0.0 20.9 0.0 0.0 41.5	0.0 0.0 0.0 0.0 0.0 19.0 0.0 30.8 41.4 16.3 22.5 0.0 27.7 0.0 1.1 0.0 1 0.0 161.9 23.8 0.0 0.3 32.0 0.0 0.5 0.0	0 5.8 12.9 12.9 -19.0 6.1 -30.8 -41.4 -16.3 -22.5 10.8 -27.7 2.6 -1.1 20.9 -1 -0.8 -1.4 1.0 0.1 0.0 -120.4 -23.8 0.0 -23.3 -32.0 0.0 -3