

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 11th Feb 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 General Manager, 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. महाप्रबंधक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 10.02.2018.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-Feb - 2018 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 10th Feb 2018, 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 11-Feb-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43948	44255	40240	18626	2400	149468
Peak Shortage (MW)	751	65	-50	200	56	1023
Energy Met (MU)	941	1042	924	362	41	3309
Hydro Gen(MU)	94	25	63	29	8	218
Wind Gen(MU)	5	26	22			54
Solar Gen (MU)*	8.87	15.96	32.61	0.56	0.02	58
Energy Shortage (MU)	15.5	0.0	1.1	0.6	0.7	17.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46816	47947	42798	19038	2333	152214

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	0.042	0.00	0.45	11.03	11.48	80.91	7.60

C. Power Supply Position in States

	tion in States	Max. Demand Met	Shortage during		Drawal	OD(+)/UD(-)	Max OD	Energy
RegionRegion	States	during the day	maximum Demand	Energy Met (MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU
		(MW)	(MW)		Schedule (MC)	(NIC)	(141 44)	Shortage (MC
	Punjab	6130	0	129.8	44.5	-0.6	175	0.0
	Haryana	6862	0	129.4	69.3	1.2	167	0.1
NR	Rajasthan	10779	1217	208.7	71.1	2.6	273	3.9
	Delhi	3708	0	62.2	48.6	0.6	224	0.0
	UP	14415	690	299.1	105.5	1.7	610	0.0
	Uttarakhand	1964	0	36.4	28.1	0.7	207	0.0
	HP	1461	0	26.2	22.2	0.5	372	0.7
	J&K	2192	548	45.7	42.3	-0.2	251	10.8
	Chandigarh	205	0	3.2	3.0	0.2	27	0.0
	Chhattisgarh	3315	0	77.0	4.3	-1.1	103	0.0
	Gujarat	13828	0	299.1	128.4	6.4	275	0.0
WR	MP	9353	0	207.1	109.5	-1.6	350	0.0
	Maharashtra	20172	0	414.7	120.2	1.4	448	0.0
	Goa	474	0	9.7	8.6	0.5	41	0.0
	DD	327	0	7.4	6.9	0.4	75	0.0
	DNH	754	0	17.8	16.9	0.8	55	0.0
	Essar steel	437	0	8.8	9.2	-0.4	120	0.0
SR	Andhra Pradesh	8216	-	171.2	55.2	1.8	624	0.2
	Telangana	9458	-	187.3	89.3	1.0	456	0.2
	Karnataka	9553	-	202.4	94.7	-0.6	422	0.2
JI.	Kerala	3509	-	69.2	50.9	1.6	202	0.1
	Tamil Nadu	13704	-	286.7	165.1	0.0	345	0.4
	Pondy	344	-	7.0	7.5	-0.5	33	0.0
	Bihar	4069	0	67.6	62.3	-1.8	220	0.0
	DVC	3056	0	70.2	-46.4	-1.8	200	0.0
FR	Jharkhand	1136	0	23.0	15.4	1.1	48	0.0
ER	Odisha	4208	0	81.0	39.7	2.5	225	0.6
	West Bengal	6684	0	118.9	20.7	1.9	225	0.0
	Sikkim	100	0	1.7	1.3	0.3	10	0.0
	Arunachal Pradesh	121	1	2.4	2.0	0.4	44	0.0
	Assam	1412	27	22.8	19.6	1.0	104	0.6
	Manipur	185	0	2.6	2.8	-0.2	17	0.0
NER	Meghalaya	306	0	5.5	3.7	0.1	38	0.0
	Mizoram	92	0	1.7	0.8	0.1	24	0.0
	Nagaland	118	3	2.1	2.0	0.0	40	0.0
	Tripura	224	0	3.7	2.1	0.3	43	0.0

 $\textbf{D. Transnational Exchanges} \ \ (\textbf{MU}) \textbf{- Import} (+\textbf{ve}) / \textbf{Export} (-\textbf{ve})$

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-10.3	-10.5
Day peak (MW)	115.3	-281.4	-620.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	199.2	-228.6	122.4	-95.4	3.0	0.6
Actual(MU)	195.0	-234.3	127.4	-86.0	3.4	5.5
O/D/U/D(MU)	-4.2	-5.8	5.0	9.4	0.4	4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4717	13191	5322	1430	326	24986
State Sector	10610	16864	5950	5245	50	38719
Total	15327	30055	11272	6675	376	63705

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	584	1160	566	444	9	2762
Hydro	94	24	63	29	8	217
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	21	45	18	0	23	108
RES (Wind, Solar, Biomass & Others)	41	42	101	2	0	187
Total	769	1295	817	475	41	3396

						Date of I	Reporting :	11-Feb-
								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)
mport/F		ER (With NR)		,				
1	7651-37	GAYA-VARANASI	D/C	0	342	0.0	8.5	-8.5
3	765kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	0	148 318	0.4	0.0 5.2	-5.2
4		ALIPURDUAR-AGRA	- S/C	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	337	0.0	8.1	-8.1
6		PUSAULI-VARANASI	S/C	0	243	0.0	0.0	0.0
7	1	PUSAULI -ALLAHABAD	S/C	0	156	0.0	0.0	0.0
8	1	MUZAFFARPUR-GORAKHPUR	D/C	0	342	0.0	3.5	-3.5
9	400 kV	PATNA-BALIA	Q/C	0	766	0.0	14.1	-14.1
10		BIHARSHARIFF-BALIA	D/C	0	242	0.0	3.4	-3.4
11	1	MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	0	315	0.0	0.5	-0.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	165	0.0	3.2	-3.2
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	0	0	0.4	0.0	0.4
16	132 KV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
			-		ER-NR	0.7	52.4	-51.7
nport/E	Export of	ER (With WR)	1	1				1
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.9	0.0	11.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	430	0.0	3.7	-3.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	8.5	0.0	8.5
21	100 11	RANCHI-SIPAT	D/C	0	66	0.6	0.0	0.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	95	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	0	0	4.6	0.0	4.6
. 00		ED (WILL CD)			ER-WR	25.6	4.7	21.0
_	· •	ER (With SR)	D/C	0.0	0.0	0.0	20.4	20.4
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	20.4	-20.4
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	349.8	0.0	15.6	-15.6
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2256.7	0.0	49.7	-49.7
27	400 kV 220 kV	TALCHER-I/C	D/C	0.0	963.5	0.0	13.6	-13.6
20		BALIMELA-UPPER-SILERRU	S/C				0.0	0.0
28	220 111		1				05.0	07.0
	1	•			ER-SR	0.0	85.8	-85.8
nport/F	1	ER (With NER)	I D/C		ER-SR	0.0		1
nport/E	1	ER (With NER) BINAGURI-BONGAIGAON	D/C	0	ER-SR 1198	0.0	85.8 5.5	-5
29 30	Export of 400 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	D/C	0	1198 1013	0.0	5.5	-5 4
mport/E	Export of	ER (With NER) BINAGURI-BONGAIGAON	+	0	1198 1013 0	0.0 0.0 3.9 0.0	5.5	-5 4 -2
mport/F 29 30 31	Export of 400 kV 220 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	D/C	0	1198 1013	0.0	5.5	-5 4
29 30 31 mport/F	Export of 400 kV 220 kV Export of	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR)	D/C D/C	0 0 0	1198 1013 0 ER-NER	0.0 3.9 0.0 3.9	5.5 2.3 7.7	-5 4 -2 -3.8
mport/F 29 30 31	Export of 400 kV 220 kV Export of	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	D/C	0	1198 1013 0 ER-NER	0.0 3.9 0.0 3.9 0.0	5.5 2.3 7.7 9.5	-5 4 -2 -3.8
29 30 31 mport/F	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA	D/C D/C	0 0 0	1198 1013 0 ER-NER	0.0 3.9 0.0 3.9	5.5 2.3 7.7	-5 4 -2 -3.8
mport/F 29 30 31 mport/F 32	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C	0 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR	0.0 3.9 0.0 3.9 0.0 0.0 0.0	5.5 2.3 7.7 9.5 9.5	-5 4 -2 -3.8 -9.5 -9.5
29 30 31 mport/F	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C D/C -	0 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR	0.0 3.9 0.0 3.9 0.0 3.9	5.5 2.3 7.7 9.5 9.5 59.4	-5 4 -2 -3.8 -9.5 -9.5 -9.5
29 30 31 mport/F 32 mport/F 33 34	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C D/C - D/C D/C D/C	0 0 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0	0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 6.0	5.5 2.3 7.7 9.5 9.5 9.5	-5 4 -2 -3.8 -9.5 -9.5 -9.5
32 mport/F 32 mport/F 33 34 35	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C - D/C D/C D/C D/C D/C	0 0 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709	0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 6.0	5.5 2.3 7.7 9.5 9.5 59.4 0.0 16.8	-5 4 -2 -3.8 -9.5 -9.5 -59.4 -6.0 -16.8
29 30 31 mport/F 32 mport/F 33 34 35 36	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON 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 D/C D/C	0 0 0 0	### 198	0.0 3.9 0.0 3.9 0.0 0.0 0.0 6.0 0.0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9	-5 4 -2 -3.8 -9.5 -9.5 -59.4 -6.0 -16.8 -51.9
29 30 31 31 mport/F 32 mport/F 33 34 35 36 37	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR	D/C	0 0 0 0 0 0 250 0 0	### ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498	0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0	5.5 2.3 7.7 9.5 9.5 59.4 0.0 16.8 51.9 30.6	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -59.4 -6.0 -16.8 -51.9 -30.6
30 31 31 32 32 33 34 35 36 37 38	Export of 400 kV 220 kV Export of HVDC AVDC The HVDC The HVDC The HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI	D/C	0 0 0 0 250 0 0 0	### ER-SR 1198 1013	0.0 0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0	-5 4 -2 -3.8 -9.5 -9.5 -59.4 -6.0 -16.8 -51.9 -30.6 -2.7
30 31 31 32 32 33 34 35 36 37 38 39	Export of 400 kV 220 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL	D/C	0 0 0 0 250 0 0 0 160	### ER-SR 1198 1013	0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -51.9 -30.6 2.7 0.1
32 34 35 36 37 38 39 40	Export of 400 kV 220 kV Export of HVDC AVDC The HVDC The HVDC The HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C	0 0 0 0 250 0 0 0 160 114	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491	0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5
33 34 35 36 37 38 39 40 41	Export of 400 kV 220 kV Export of HVDC AVDC The HVDC The HVDC The HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C D/C	0 0 0 0 250 0 0 0 160 114	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361	0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 3	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -59.4 6.0 -16.8 -51.9 -30.6 2.7 0.1 22.6 -3
29 30 31 32 32 33 34 34 35 36 37 38 39 40 41 42	Export of 400 kV 220 kV Export of HVDC AVDC The HVDC The HVDC The HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKNOLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-KOTA	D/C	0 0 0 0 250 0 0 160 114 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0	0.0 3.9 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 3 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -59.4 6.0 -16.8 -51.9 -30.6 2.7 0.1 22.6 -3 0.5
33 34 35 36 37 38 39 40 41 42 43	Export of 400 kV 220 kV Export of HVDC AVDC The HVDC The HVDC The HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-ABHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK	D/C	0 0 0 0 250 0 0 0 160 114 0 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -59.4 6.0 -16.8 -51.9 -30.6 2.7 0.1 22.6 -3 0.5 -0.5
33 34 35 36 37 38 39 40 41 42 43 44	Export of 400 kV 220 kV Export of HVDC Export of 765 kV 400 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C	0 0 0 250 0 0 160 114 0 0 101 54	### 198	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -59.4 6.0 -16.8 -51.9 -30.6 2.7 0.1 22.6 -3 0.5 -0.5
pport/F 29 30 31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Export of 400 kV 220 kV Export of 1 HVDC Export of 765 kV 400 kV 220 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C	0 0 0 250 0 0 160 114 0 0 101 54 95	### 198	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -51.9 -30.6 -3 -3 -3 -3 -3 -1.6 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
pport/F 29 30 31 32 32 34 35 36 37 38 39 40 41 42 43 44	Export of 400 kV 220 kV Export of HVDC Export of 765 kV 400 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C	0 0 0 250 0 0 160 114 0 0 101 54	### 198	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -51.9 -30.6 2.7 0.1 22.6 -3 0.5 -0.6 1.6 0.7 0.0
29 30 31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46	Export of 400 kV Export of HVDC Export of HVDC Export of 400 kV 400 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C	0 0 0 250 0 0 160 114 0 0 101 54 95	### 198	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -51.9 -30.6 -3 -3 -3 -3 -3 -1.6 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
29 30 31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 44 44 45 46	Export of 400 kV 220 kV Export of HVDC Export of WHVDC - 765 kV 400 kV 132kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKOLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	D/C	0 0 0 250 0 0 160 114 0 0 101 54 95	### 198	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -51.9 -30.6 -2.7 0.1 -22.6 -3 0.5 -0.6 1.6 0.7 0.0 -128.5
pport/F 29 30 31 31 32 32 34 35 36 37 38 39 40 41 42 43 44 45 46	Export of 400 kV Export of HVDC Export of HVDC Export of 400 kV 400 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B	D/C	0 0 0 0 250 0 0 0 160 114 0 0 101 54 95 52 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 16.6 0.0 0.0 16.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -0.6 -16.8 -51.9 -30.6 -3.0
pport/F 29 30 31 31 32 32 34 35 36 37 38 39 40 40 41 42 43 44 45 46 46	Export of 400 kV 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV 132kV Export of HVDC LINK	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C	0 0 0 0 250 0 0 0 160 114 0 0 101 54 95 52 0	### ER-SR 1198	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -
pport/F 29 30 31 31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of 400 kV 220 kV 220 kV Export of HVDC 765 kV 400 kV 220 kV Export of HVDC 400 kV 400 kV 400 kV Export of HVDC 400 kV Export of HVDC	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJAUP RAPP-SHUJAUP BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 250 0 0 0 160 114 0 0 101 54 95 52 0	## Company of the com	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 16.2 10.0 10	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.6 -16.8 -51.9 -30.6 -2.7 0.1 22.6 -3 0.5 -0.6 1.6 0.7 0.0 -128.5 -23.9 0.0 -30.1
33 34 35 36 37 38 39 40 41 42 44 45 46 46 48 49 50	Export of 400 kV 220 kV Export of I HVDC T65 kV 400 kV 220 kV 132kV Export of I HVDC T65 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAMPA-KURUKSHETRA VCHAMPA-KURUKSHETRA PHAGI-GWALIOR 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	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 250 0 0 160 114 0 0 101 54 95 52 0	## Company of the com	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -2.7 0.1 22.6 -3 0.5 -0.6 1.6 0.7 0.0 -128.5 -2.3 0.0 -128.5 -2.3 0.0 -3.0
32 33 34 35 36 37 38 39 40 41 42 45 46 47 47 47 48 49 50 51	Export of 400 kV 220 kV Export of HVDC Export of HVDC - 765 kV - 400 kV 132kV Export of HVDC LINK	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR 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 BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 250 0 0 0 160 114 0 0 101 54 95 52 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-5 4 -2 -3.8 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -16.8 -51.9 -30.6 2.7 0.1 22.6 -3 0.5 -0.6 1.6 0.7 0.0 -128.5 -23.9 0.0 -30.1 -40.3 5.8
32 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 47 48 48 49 50 51 52	Export of 400 kV 220 kV Export of HVDC T65 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHALABB APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKOLI ZERDA-KANKOLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHABRAWATI BB BARSUR-LSIERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	0 0 0 250 0 0 0 160 114 0 0 101 54 95 52 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0 0	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.6 -9.5 -9.6 -9.5 -9.5 -9.5 -9.5 -9.5 -9.6 -
33 34 35 36 37 38 39 40 41 42 43 44 45 46 46 47 48 49 55 50 55 55 55 55 3	Export of 400 kV 220 kV Export of I HVDC T65 kV 400 kV 220 kV 132kV Export of I HVDC T65 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-G-WALIOR 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-RICHMEN SOLAPUR-RICHMEN KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 250 0 0 0 160 1114 0 0 0 101 54 95 52 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0 0 0	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 162.7 23.9 0.0 30.1 40.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.6 -9.5 -
port/F 29 30 31 31 32 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 48 49 50 51 52	Export of 400 kV 220 kV Export of HVDC T65 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHALABB APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKOLI ZERDA-KANKOLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHABRAWATI BB BARSUR-LSIERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	0 0 0 250 0 0 0 160 114 0 0 101 54 95 52 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0 0 0 0 0	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 162.7 23.9 0.0 30.1 40.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -
port/F 29 30 31 31 32 32 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 51 52 53	Export of 400 kV 220 kV Export of HVDC T65 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-ASHINMAL V'CHAL-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-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 250 0 0 0 160 114 0 0 0 101 54 95 52 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0 0 0 WR-SR	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 162.7 23.9 0.0 30.1 40.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -9.6 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.5 -9.6 -9.6 -9.6 -9.0 -
port/F 29 30 31 31 32 32 33 34 335 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	Export of 400 kV 220 kV Export of HVDC T65 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-ASHINMAL V'CHAL-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-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 250 0 0 0 160 1114 0 0 0 101 54 95 52 0 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0 0 0 WR-SR	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 162.7 23.9 0.0 30.1 40.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -
port/F 29 30 31 31 32 32 33 34 335 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	Export of 400 kV 220 kV Export of HVDC T65 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-ASHINMAL V'CHAL-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-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 250 0 0 0 160 114 0 0 0 101 54 95 52 0	ER-SR 1198 1013 0 ER-NER 401 NER-NR 1430 0 709 2832 1498 0 135 491 361 0 32 0 0 WR-NR 1000 0 1593 2118 0 0 0 WR-SR	0.0 0.0 3.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.5 2.3 7.7 9.5 9.5 9.5 9.5 59.4 0.0 16.8 51.9 30.6 0.0 0.0 0.0 0.0 0.0 162.7 23.9 0.0 30.1 40.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5 4 -2 -3.8 -9.5 -