

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 12th May 2018

To,

- 1. 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 11.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-मई-2018 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 11th May 2018, is available at the NLDC website.

धन्यवाद,

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

Report for previous day 12-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49527	47930	38518	17874	2212	156060
Peak Shortage (MW)	623	106	0	0	180	910
Energy Met (MU)	1110	1175	908	426	34	3653
Hydro Gen (MU)	160	24	48	56	16	303
Wind Gen (MU)	22	71	41			135
Solar Gen (MU)*	19.60	21.30	57.82	0.73	0.01	99
Energy Shortage (MU)	28.4	0.0	0.1	0.0	1.8	30.2
Maximum Demand Met during the day	50625	52018	42643	19385	2226	158555
(MW) & time (from NLDC SCADA)	19:41	15:32	14:43	00:00	18:50	15:16

B. Frequency Profile (%)

zviitquoney i i omi	(, 0)						
Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.088	0.10	2.57	25.50	28.17	67.22	4.61

C. Power Supply Position in States

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	7074	0	158.0	78.1	-0.8	511	0.0
	Haryana	7123	50	145.5	84.7	3.7	644	9.0
	Rajasthan	10272	0	227.2	72.0	6.1	719	4.1
	Delhi	5272	0	105.5	88.0	0.4	443	0.0
NR	UP	17349	0	365.6	141.7	2.1	1163	0.0
	Uttarakhand	1846	75	36.3	17.9	-0.3	235	2.7
	HP	1221	0	24.0	8.5	4.6	460	2.4
	J&K	2176	544	43.1	28.2	0.4	371	10.2
	Chandigarh	258	0	5.0	4.2	0.8	98	0.0
	Chhattisgarh	3770	0	86.9	19.0	-1.2	144	0.0
	Gujarat	15918	0	354.3	155.0	5.1	435	0.0
	MP	8743	0	195.4	106.8	-2.1	327	0.0
\A/D	Maharashtra	22394	0	498.1	155.0	-2.2	384	0.0
WR	Goa	507	0	10.3	10.6	-0.8	47	0.0
	DD	331	0	7.5	6.2	1.3	118	0.0
	DNH	743	0	17.3	17.0	0.4	94	0.0
	Essar steel	271	0	5.0	4.9	0.0	147	0.0
	Andhra Pradesh	8710	0	176.7	64.1	0.7	499	0.0
	Telangana	6936	0	150.5	41.9	-2.5	349	0.0
SR	Karnataka	8975	0	175.8	51.0	-5.5	440	0.0
3N	Kerala	3109	0	70.2	49.1	0.7	177	0.0
	Tamil Nadu	14608	0	327.0	156.7	0.5	601	0.0
	Pondy	384	0	8.3	8.3	0.0	67	0.1
	Bihar	4672	0	87.6	86.9	0.1	385	0.0
	DVC	3060	0	72.5	-49.9	1.7	402	0.0
ER	Jharkhand	1252	0	25.4	19.5	1.2	135	0.0
LIX	Odisha	3948	0	83.6	34.4	-0.7	345	0.0
	West Bengal	7497	0	155.2	55.8	-1.0	385	0.0
	Sikkim	90	0	1.4	1.1	0.3	20	0.0
	Arunachal Pradesh	110	2	1.8	2.1	-0.3	35	0.0
	Assam	1428	79	20.2	16.2	1.0	138	1.4
	Manipur	146	0	1.8	2.0	-0.2	6	0.0
NER	Meghalaya	279	0	4.6	1.0	-0.3	20	0.0
	Mizoram	73	1	1.3	1.0	0.1	2	0.0
	Nagaland	114	2	1.8	1.8	-0.2	13	0.0
	Tripura	162	23	2.6	2.4	-0.4	0	0.3

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.1	-9.3	-14.4
Day peak (MW)	495.7	-416.2	-611.5

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

E. Import export by Regions (in 1710) - Import	i(vc)/Export(-vc), (JD (1)/(J)				
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.6	-200.7	54.8	-65.0	-6.9	-0.1
Actual(MU)	244.3	-222.3	52.8	-61.0	-9.7	4.1
O/D/U/D(MU)	26.7	-21.7	-2.0	4.0	-2.8	4.2

F. Generation Outage(MW)

_	NR	WR	SR	ER	NER	Total
Central Sector	4613	13861	6182	1500	190	26346
State Sector	9570	14510	4410	5025	50	33565
Total	14183	28371	10592	6525	239	59910

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	590	1221	632	456	11	2909
Hydro	160	24	49	56	16	305
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	47	58	18	0	21	144
RES (Wind, Solar, Biomass & Others)	67	93	135	1	0	295
Total	891	1413	879	513	47	3744

Share of RES in total generation (%)	7.51	6.55	15.30	0.26	0.07	7.89
Share of Non-fossil fuel (Hydro, Nuclear and	20.44	0.54	26.16	11 11	22.14	10 46
RES) in total generation (%)	20. 44	9.54	26.16	11.11	33.14	18.46

H. Diversity Factor

Factor 1.053

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

1		INTE	R-REGIO	ONAL EX	CHANGES	Date of I	Reporting :	12-May-18
								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)
Import/I	Export of	ER (With NR)	D/C	0	1 222	0.0		T = 5.5
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	0 252	223	0.0	7.5	-7.5 0.6
3	705K	GAYA-BALIA	S/C	0	457	0.0	8.6	-8.6
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	2	149	0.0	3.5	-3.5
6		PUSAULI-VARANASI	S/C	0	129	0.0	0.0	0.0
7	_	PUSAULI -ALLAHABAD	S/C	19	106	0.0	0.0	0.0
8	400 1-37	MUZAFFARPUR-GORAKHPUR	D/C	5	649	0.0	11.3	-11.3
9	400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	Q/C D/C	0	1158 417	0.0	23.7 8.3	-23.7 -8.3
11	-	MOTIHARI-GORAKHPUR	D/C D/C	0	278	0.0	4.8	-4.8
12	1	BIHARSHARIFF-VARANASI	D/C	585	0	0.0	2.0	-2.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	185	0.0	3.7	-3.7
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	10	0	0.6	0.0	0.6
16] 132 KV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	<u> </u>	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	1.2	73.4	-72.2
Import/I	Export of	ER (With WR)	_		T	 	Γ	T
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	490	364	0.0	0.4	-0.4
19	703 KV	NEW RANCHI-DHARAMJAIGARH	D/C	403	303	1.2	0.0	1.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1026	0	16.4	0.0	16.4
21	TOU KV	RANCHI-SIPAT	D/C	533	0	9.0	0.0	9.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	56	75	0.0	0.1	-0.1
23		BUDHIPADAR-KORBA	D/C	137	0	2.4	0.0	2.4
T	-	ED (WILL CD)			ER-WR	29.1	0.4	28.7
	1 -	ER (With SR)	D/C	0.0	1226.0	0.0	21.0	21.0
24	765 kV	ANGUL-SRIKAKULAM	D/C D/C	0.0	1226.8	0.0	21.9 10.3	-21.9 -10.3
25	HVDC LINK	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	D/C D/C	0.0	345.7 1881.0	0.0	40.1	-10.3 -40.1
27	400 kV	TALCHER-I/C	D/C D/C	742.8	82.5	10.2	0.3	9.9
28	ļ	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
	220 KV	BALIMBEA OTTER SILERRO	B/C	0.0	ER-SR	0.0	72.3	-72.3
Import/F	Export of	f ER (With NER)				0.00		1
Import/I		F ER (With NER) BINAGURI-BONGAIGAON	D/C	659	101	4.3	0.0	4
	Export of		D/C D/C	659 496				1
29		BINAGURI-BONGAIGAON			101	4.3	0.0	4
29 30 31	400 kV 220 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	D/C	496	101 110	4.3 5.9	0.0	4 6
29 30 31 Import/F	400 kV 220 kV Export of	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR)	D/C	496 35	101 110 74 ER-NER	4.3 5.9 0.0 10.2	0.0 0.0 0.1 0.1	4 6 0 10.1
29 30 31	400 kV 220 kV Export of	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	D/C	496	101 110 74 ER-NER	4.3 5.9 0.0 10.2	0.0 0.0 0.1 0.1	4 6 0 10.1
29 30 31 Import/F 32	400 kV 220 kV Export of HVDC	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA	D/C D/C	496 35	101 110 74 ER-NER	4.3 5.9 0.0 10.2	0.0 0.0 0.1 0.1	4 6 0 10.1
29 30 31 Import/F 32	400 kV 220 kV Export of HVDC	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C	496 35 0	101 110 74 ER-NER 0 NER-NR	4.3 5.9 0.0 10.2	0.0 0.0 0.1 0.1 0.0 0.0	4 6 0 10.1
29 30 31 Import/F 32 Import/F 33	220 kV Export of HVDC Export of	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C D/C -	496 35 0	101 110 74 ER-NER 0 NER-NR	4.3 5.9 0.0 10.2 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0
29 30 31 Import/F 32 Import/F 33 34	400 kV 220 kV Export of HVDC	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B	D/C D/C - D/C D/C D/C	496 35 0 0	101 110 74 ER-NER 0 NER-NR	4.3 5.9 0.0 10.2 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 52.0 6.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0
29 30 31 Import/F 32 Import/F 33 34 35	220 kV Export of HVDC Export of	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	496 35 0 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010	4.3 5.9 0.0 10.2 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 52.0 6.0 25.2	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2
29 30 31 Import/F 32 Import/F 33 34	220 kV Export of HVDC Export of	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B	D/C D/C - D/C D/C D/C	496 35 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8
29 30 31 Import/F 32 Import/F 33 34 35 36	220 kV Export of HVDC Export of	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	D/C D/C D/C D/C D/C D/C D/C D/C	496 35 0 0 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010	4.3 5.9 0.0 10.2 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 52.0 6.0 25.2	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2
29 30 31 Import/F 32 Import/F 33 34 35 36 37	Export of HVDC HVDC	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	D/C D/C D/C D/C D/C D/C D/C D/C	496 35 0 0 0 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.0 0.0 52.0 6.0 25.2 27.8 42.6	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38	Export of HVDC HVDC	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 JABALPUR-ORAI	D/C	496 35 0 0 0 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39	Export of HVDC HVDC	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 JABALPUR-ORAI GWALIOR-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C S/C	496 35 0 0 0 0 0 0 0 0 330	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40	Export of HVDC HVDC 765 kV	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 JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI	D/C D/C D/C D/C D/C D/C D/C C D/C S/C S/C	496 35 0 0 0 0 0 0 0 0 330 1900	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41	Export of HVDC HVDC	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 JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI	D/C D/C D/C D/C D/C D/C D/C C D/C S/C S/C S/C	496 35 0 0 0 0 0 0 0 0 0 330 1900 398	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9
29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42	Export of HVDC HVDC 765 kV	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 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/C S/C S/C	496 35 0 0 0 0 0 0 0 0 0 330 1900 398 436	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43	Export of HVDC HVDC 765 kV	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 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 D/C S/C S/C S/C S/C S/C	496 35 0 0 0 0 0 0 0 0 0 330 1900 398 436 971	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Export of HVDC Total HVDC Total HVDC Total HVDC	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 JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK	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	496 35 0 0 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4
29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Export of HVDC HVDC 765 kV	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 JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	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	496 35 0 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of HVDC Total HVDC	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 JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 0.0 0.0	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0
29 30 31 Import/E 32 Import/E 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Export of HVDC Total HVDC	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 JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	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	496 35 0 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 282 1 42 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 0.0 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0
29 30 31 Import/I 32 Import/I 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	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 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	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	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 0.0 0.0	4 6 0 10.1 0.0 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Export of HVDC Total HVDC To	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 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	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	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 0 0 0 0 WR-NR	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50	Export of HVDC Total HVDC Total HVDC Total HVDC Total HVDC Total HVDC Total HVDC Export of HVDC Total HVDC	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 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 282 1 42 0 0 0 WR-NR	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51	Export of HVDC Total HVDC Total HVDC Total HVDC Total HVDC Total HVDC Total HVDC Export of HVDC Total HVDC	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 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 BARSUR-L.SILERU	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	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 0 0 WR-NR 1000 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 2 0.0 0.0 2 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51 52	Export of HVDC Total HVDC Total HVDC Total HVDC Total HVDC Total HVDC Total HVDC Export of HVDC Total HVDC	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR	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	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 0 0 WR-NR 1000 0 693	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51 52 53	Export of HVDC Total No. 100 kV Total No. 100	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR	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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 0 WR-NR 1000 0 693 1514	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51 52 53 54	Export of HVDC Total No. 100 kV Total No. 100	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 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 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 S/C S/C S/C S/C S/C S/C S/C S/C D/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0 0 9 1900	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 0 282 1 42 0 0 0 WR-NR 1000 0 693 1514 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.1 0.1 0.1 0.0 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 0.0 0.0	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3 16.0
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51 52 53	220 kV Export of HVDC T65 kV 400 kV 220 kV T65 kV 400 kV Export of HVDC LINK 765 kV	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR	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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 0 WR-NR 1000 0 693 1514	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3
29 30 31 Import/I 32 Import/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/I 50 51 52 53 54 55 56	220 kV Export of HVDC T65 kV 400 kV 220 kV T65 kV 400 kV Export of HVDC LINK 765 kV	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0 0 0 0 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0 0 WR-NR 1000 0 693 1514 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3 16.0 0.0 0.0
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51 52 53 54 55	220 kV Export of HVDC T65 kV 400 kV 220 kV T65 kV 400 kV Export of HVDC LINK 765 kV	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 JABALPUR-ORAI SATNA-ORAI ZERDA-KANKROLI 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-KUDGI KOLHAPUR-CHIKODI	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 D/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	496 35 0 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0 0 WR-NR 1000 0 693 1514 0 0 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3 16.0 0.0 0.0 1.5
29 30 31 Import/I 32 Import/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/I 50 51 52 53 54 55 56	220 kV Export of HVDC T65 kV 400 kV 220 kV T65 kV 400 kV Export of HVDC LINK 765 kV	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	496 35 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0 0 79 27 159 0 0 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0 0 WR-NR 1000 0 693 1514 0 0 0 WR-SR	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3 16.0 0.0 0.0
29 30 31 Import/F 32 Import/F 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/F 50 51 52 53 54 55 56 57	220 kV Export of HVDC T65 kV 400 kV 220 kV T65 kV 400 kV Export of HVDC LINK 765 kV	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	496 35 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0 0 79 27 159 0 0 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0 0 WR-NR 1000 0 693 1514 0 0 0 0 0	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3 16.0 0.0 0.0 1.5 -14.5
29 30 31 Import/I 32 Import/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 Import/I 50 51 52 53 54 55 56	220 kV Export of HVDC T65 kV 400 kV 220 kV T65 kV 400 kV Export of HVDC LINK 765 kV	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 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 BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	496 35 0 0 0 0 0 0 0 330 1900 398 436 971 0 79 27 159 0 0 0 0 79 27 159 0 0 0 79 27 159 0 0	101 110 74 ER-NER 0 NER-NR 1389 250 1010 1414 2016 1031 0 0 0 0 0 282 1 42 0 0 0 WR-NR 1000 0 693 1514 0 0 0 WR-SR	4.3 5.9 0.0 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.0 52.0 6.0 25.2 27.8 42.6 16.4 0.0 43.8 0.0 0.0 0.0 2 0.0 0.0 2 0.0 0.0 2 16.3	4 6 0 10.1 0.0 0.0 -52.0 -6.0 -25.2 -27.8 -42.6 -16.4 5.3 -43.8 8.9 7.1 11.4 -2 0.6 -0.4 3.2 0.0 0.0 -179.7 -22.1 0.0 5.4 -15.3 16.0 0.0 0.0 1.5