

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

3-9, 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: 06th Apr 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 05.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अप्रैल-2019 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 5th April 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 6-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46279	49836	46222	21465	2377	166179
Peak Shortage (MW)	525	0	0	0	123	648
Energy Met (MU)	1003	1213	1100	461	39	3816
Hydro Gen (MU)	202	28	69	35	4	339
Wind Gen (MU)	18	71	36			124
Solar Gen (MU)*	24.36	25,24	82.36	0.96	0.03	133
Energy Shortage (MU)	11.9	0.3	0.0	0.0	2.1	14.2
Maximum Demand Met during the day	46088	53132	47768	21846	2449	165168
(MW) & time (from NLDC SCADA)	19:48	15:38	09:42	19:18	18:33	19:22

B. Frequency Profile (%)
Region
All India FVI <49.7 49.7-49.8 49.8-49.9 49.9-50.05 > 50.05 0.037 0.00 0.09 20.54

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	6305	0	132.1	49.7	-1.3	41	0.0
	Haryana	6408	0	129.7	100.7	0.4	143	0.0
	Rajasthan	9631	0	205.6	42.9	-3.5	157	0.0
	Delhi	4218	0	85.6	70.0	-1.5	143	0.0
NR	UP	17010	0	336.7	146.3	0.3	437	1.2
	Uttarakhand	1777	0	37.8	13.9	0.6	104	0.0
	HP	1356	0	26.2	10.3	-0.1	71	0.0
	J&K	2239	560	45.2	31.8	-0.8	162	10.7
	Chandigarh	200	0	4.0	4.1	-0.1	12	0.0
	Chhattisgarh	4490	0	103.0	43.0	-3.1	162	0.0
WR	Gujarat	16616	0	379.8	109.4	4.6	704	0.0
	MP	9730	0	205.2	80.0	-0.9	556	0.0
	Maharashtra	21655	0	472.8	131.2	0.2	436	0.0
	Goa	479	0	12.0	11.3	0.2	140	0.3
	DD	323	0	7.4	6.9	0.5	73	0.0
	DNH	781	0	18.4	18.3	0.1	129	0.0
	Essar steel	626	0	14.1	14.6	-0.5	309	0.0
	Andhra Pradesh	8862	0	197.3	58.8	0.7	585	0.0
	Telangana	9888	0	212.5	85.5	0.0	520	0.0
SR	Karnataka	12514	0	242.8	74.4	-0.1	836	0.0
3N	Kerala	4047	0	83.9	60.5	1.4	237	0.0
	Tamil Nadu	15753	0	355.1	196.3	-0.6	411	0.0
	Pondy	407	0	8.7	8.8	-0.1	51	0.0
	Bihar	4750	0	85.4	81.0	-0.9	50	0.0
	DVC	3088	0	67.7	-52.0	1.2	400	0.0
ER	Jharkhand	1071	0	24.0	19.2	-0.8	150	0.0
EN	Odisha	5326	0	113.0	47.1	1.4	350	0.0
	West Bengal	8116	0	169.8	51.2	2.1	450	0.0
	Sikkim	100	0	1.4	1.5	-0.1	20	0.0
	Arunachal Pradesh	114	3	2.1	2.3	-0.2	5	0.0
	Assam	1393	61	21.7	18.0	0.0	101	1.5
	Manipur	173	2	2.3	2.3	0.0	34	0.1
NER	Meghalaya	340	19	5.4	3.4	0.2	61	0.4
	Mizoram	96	3	1.5	1.2	0.1	28	0.0
	Nagaland	125	2	2.0	1.8	0.1	7	0.0
	Tripura	258	6	3.6	1.6	-0.4	66	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-9.8	-17.1
Day peak (MW)	115.0	-540.1	-966.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.1	-272,2	156.8	-59.4	3.2	-0.5
Actual(MU)	160.3	-267.7	157.7	-54.3	5.0	1.0
O/D/U/D(MU)	-10.8	4.5	1.0	5.0	1.8	1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6035	11946	5882	850	883	25596
State Sector	9790	12939	3670	4745	50	31194
Total	15825	24885	9552	5595	932	56789

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	506	1274	617	502	11	2910
Lignite	23	18	53	0	0	93
Hydro	202	28	69	35	4	339
Nuclear	23	31	34	0	0	88
Gas, Naptha & Diesel	30	56	17	0	20	123
RES (Wind, Solar, Biomass & Others)	76	102	155	1	0	333
Total	860	1508	945	538	36	3886
Share of RES in total generation (%)	8 70	674	16.40	0.10	0.06	9 57

Share of RES in total generation (%)	8.79	6.74	16.40	0.19	0.08	8.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.97	10.63	27.32	6.66	12.79	19.54

H. Diversity Factor
All India Demand Diversity Factor
1.037
Diversity factor = Sum of regional maximum demands / All India maximum demand

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

		INT	ER-REGI	ONAL EXCH	ANGES	Date of l	Reporting :	6-Apr-19
								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/E		ER (With NR)						
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	0 82	445 249	0.0	8.0 2.6	-8.0 -2.6
3	703KV	GAYA-BALIA	S/C	0	282	0.0	5.2	-5.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	nvbc	PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	4	PUSAULI-VARANASI	S/C	0	64	0.0	0.8	-0.8
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	7	44 620	0.0	0.3 6.9	-0.3 -6.9
9	400 kV	PATNA-BALIA	Q/C	0	796	0.0	14.8	-14.8
10	100 111	BIHARSHARIFF-BALIA	D/C	0	291	0.0	4.8	-4.8
11	1	MOTIHARI-GORAKHPUR	D/C	0	319	0.0	6.3	-6.3
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	3.4	-3.4
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
Impost/E	vnert of	ER (With WR)			ER-NR	0.6	54.5	-53.9
-	Aport of	l `	1 1					
18	765 1.37	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2220	0	43.8	0.0	43.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	613	89	6.3	0.0	6.3
20	-	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	174 249	69 8	0.8 2.9	0.0	0.8 2.9
22	400 kV	RANCHI-SIPAT	D/C	203	13	2.3	0.0	2.3
23		BUDHIPADAR-RAIGARH	S/C	0	107	0.0	1.8	-1.8
24	220 kV	BUDHIPADAR-KORBA	D/C	187	0	2.5	0.0	2.5
		•			ER-WR	58.6	1.8	56.8
Import/E	Export of	ER (With SR)						
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1891.0	0.0	39.9	-39.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.8	-15.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	52.8	-52.8
28	400 kV	TALCHER-I/C	D/C	0.0	652.0	0.0	8.1	-8.1
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 108.5	0.0 -108.5
Import/E	Export of	ER (With NER)			ER-3R	0.0	100.5	-106.5
30	Ĺ	BINAGURI-BONGAIGAON	D/C	259	152	1.3	0.0	1
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	367	73	3.4	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	50	56	0.2	0.0	0
					ER-NER	4.9	0.0	4.9
					EK-NEK	7.7	0.0	4.5
•	· -	NER (With NR)	1 1		1			
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	-	610	0	11.3	0.0	11.3
33	HVDC	BISWANATH CHARIALI-AGRA	-	610	1			
33 Import/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C		0 NER-NR	11.3 11.3	0.0	11.3 11.3
33 Import/E 34	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C D/C	0	0 NER-NR	11.3 11.3	0.0 0.0	11.3 11.3
33 Import/E	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C D/C		0 NER-NR	11.3 11.3	0.0	11.3 11.3
33 Import/E 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C	0 243	0 NER-NR 551 0	11.3 11.3 0.0 0.0	0.0 0.0 0.0 0.0	11.3 11.3 0.0 0.0
33 Import/E 34 35 36	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C	0 243 0	0 NER-NR 551 0 1362	11.3 11.3 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 33.9	11.3 11.3 0.0 0.0 -33.9
33 Import/E 34 35 36 37	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C	0 243 0 0	0 NER-NR 551 0 1362 2205	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 33.9 43.6	0.0 0.0 0.0 -33.9 -43.6
33 Import/E 34 35 36 37 38 39 40	HVDC Export of	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 S/C	0 243 0 0 0 0 0	0 NER-NR 551 0 1362 2205 780 676 0	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.9	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0	11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9
33 Import/E 34 35 36 37 38 39 40 41	HVDC Export of HVDC	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 S/C S/C	0 243 0 0 0 0 0 424	0 NER-NR 551 0 1362 2205 780 676 0	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.9	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5	11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5
33 Import/E 34 35 36 37 38 39 40 41 42	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA	D/C D/C D/C D/C D/C S/C S/C D/C	0 243 0 0 0 0 0 424 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2
33 Import/E 34 35 36 37 38 39 40 41 42 43	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI	D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C	0 243 0 0 0 0 0 424 0 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0 0.0 0.0	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8
33 Import/E 34 35 36 37 38 39 40 41 42 43 44	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C	0 243 0 0 0 0 0 424 0 0 170 136	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0 0.0 2.8	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0	11.3 11.3 0.0 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR IABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	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	0 243 0 0 0 0 424 0 0 170 136	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0 0.0 0.0 2.8	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/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 S/C	0 243 0 0 0 0 424 0 0 170 136 961	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0 0.0 2.8 0.7 22.2	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0	11.3 11.3 11.3 0.0 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC Export of HVDC - 765 kV - 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA	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	0 243 0 0 0 0 424 0 0 170 136	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0 0.0 0.0 2.8	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/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 S/C	0 243 0 0 0 0 424 0 0 170 136 961 94 37	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC Export of HVDC - 765 kV - 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 0 424 0 0 170 136 961 94	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 7.9 0.0 0.0 0.0 2.8 0.7 22.2 0	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 1 1.3	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4 -1.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	HVDC Export of HVDC - 765 kV - 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 0 424 0 0 170 136 961 94 37 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35	11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.1	11.3 11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4 -1.3 0.4
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR	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	0 243 0 0 0 0 0 424 0 0 170 136 961 94 37 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 1 0.5 1.3 0.1 0.3	11.3 11.3 11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4 -1.3 0.4 -0.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.1 0.3 0.0 151.2	11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4 -1.3 0.4 -0.2 0.0 -114.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR 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/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.1 0.3 0.0 151.2	11.3 11.3 11.3 11.3 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4 -1.3 0.4 -0.2 0.0 -114.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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-LSILERU	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	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.1 0.3 0.0 151.2	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 0 424 0 0 0 170 136 961 94 37 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 70 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 1 0.5 1.3 0.1 0.3 0.0 151.2	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK - 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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	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	0 243 0 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.1 0.3 0.0 151.2	11.3 11.3 11.3 11.3 11.3 0.0 0.0 0.0 0.0 -33.9 -43.6 -14.7 -25.6 7.9 -29.5 1.2 2.8 0.7 22.2 -1 -0.4 -1.3 0.4 -0.2 0.0 -114.6 0.0 0.0 0.0 -51.4 -51.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/E 52 53 54 55 56	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GANALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU 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 S/C S	0 243 0 0 0 0 0 424 0 0 170 136 961 94 37 0 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.0 1 0.1 0.3 0.0 151.2	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK - 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILEFU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	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	0 243 0 0 0 0 0 424 0 0 0 170 136 961 94 37 0 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR 491 0 2624 2490 0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 0.0 0.0 0.0 1 0.5 1.3 0.0 151.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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 S/C S/C S	0 243 0 0 0 0 0 424 0 0 170 136 961 94 37 0 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR	11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.0 151.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILEFU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-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 S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR 491 0 2624 2490 0 0 0	11.3 11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.8 0.7 22.2 0 0.1 0.0 0.4 0.1 0.0 34.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.0 151.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA 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-RICHMODI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XCHAL B/B KUTHAND KUTHAND KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR 491 0 2624 2490 0 0 0 0 39 WR-SR	11.3 11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.8 0.7 22.2 0 0.1 0.0 0.4 0.1 0.0 34.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.0 151.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58 59	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA 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 SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI TR	D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR 491 0 2624 2490 0 0 0 0 39 WR-SR	11.3 11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.8 0.7 22.2 0 0.1 0.0 0.4 0.1 0.0 34.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.0 151.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA 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-RICHMODI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XCHAL B/B KUTHAND KUTHAND KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 424 0 0 170 136 961 94 37 0 64 28 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0	0 NER-NR 551 0 1362 2205 780 676 0 1341 0 0 67 0 151 62 95 35 44 0 WR-NR 491 0 2624 2490 0 0 0 0 39 WR-SR	11.3 11.3 11.3 11.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.8 0.7 22.2 0 0.1 0.0 0.4 0.1 0.0 34.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 33.9 43.6 14.7 25.6 0.0 29.5 1.2 0.0 0.0 0.0 1 0.5 1.3 0.0 151.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3