

Electric Arc Furnace

S.No	Year	Client	Capacity, tons	Quantity			Production for the period, tons	Power Saving Kwh/ton	Total Saving, Kwh, lakh	Power Cost, Rs/Kwh	Total Power Saving, Rs Crores
				Heats/day	Years in Operation	Production/year					
1	1988	Raipur Alloys & Steel Limited	20	18	5	108,000	540000	20	108	5	54
2	1989	Simplex Casting	20	12	12	72,000	864,000	20	172.8	5	86.4
3	1989	Bhilai Engineering	10	12	12	36,000	432,000	20	86.4	5	43.2
4	1990	Ferroalloy Corporation	30	15	28	135,000	3,780,000	20	756	5	378
5	1991	Raipur Alloys & Steel Limited	40	18	27	216,000	5,832,000	20	1166.4	5	583.2
6	1992	Wheel & Axle Plant	30	10	26	90,000	2,340,000	20	468	5	234
7	1994	Tata SSL	20	24	10	144,000	1,440,000	20	288	5	144
8	1995	Firth India Limited	5	6	2	9,000	18,000	20	3.6	5	1.8
9	1996	Remi Metals Gujarat	40	12	4	144,000	576,000	20	115.2	5	57.6
10	2000	Tata SSL	20	24	6	144,000	864,000	20	172.8	5	86.4
11	2000	Sunflag Iron & Steel	50	20	18	300,000	5,400,000	35	1890	5	945
12	2004	Remi Metals Gujarat	40	12	8	144,000	1,152,000	20	230.4	5	115.2
13	2009	Kalyani Carpenter Steels Ltd.	30	18	9	162,000	1,458,000	20	291.6	5	145.8
14	2011	Marmagoa Steels Ltd.	25	12	7	90,000	630,000	20	126	5	63
		Savings, Total					25,326,000			Rs, Crores	2937.6
							25 million tons			in US \$, Crores	\$48.96

