

This map composites the Portuguese mining map with satellite images of Goa's wildlife sanctuaries / national park, and graphic map data to depict the boundaries and corridors of the protected areas. The composite map shows the location of mines approved by the Ministry of Environment and Forests within 3 km and 1 km, respectively, of these sanctuaries. The MoEF has even cleared three mines which encroach inside one of the sanctuaries.



This old Portuguese mining map of Goa gives the location of more than 700 mining leases granted by the Portuguese Government. If all of them are to be entertained, nothing will be left of the State (and its charms).



## List of mining leases whose brutal management practices were legitimised by the Ministry of Environment and Forests when it casually issued more than 70 'environment clearances' in two years without visits to sites.

(The table lists villages in which the operating mines are located, dates of public hearings and environment clearances granted.)

Name of mining lease	T.C. No	Name of operator	Village and Taluka	Survey number(s)	Area (in hectares)	Project cost (in Rupees)	Date of public hearing	Env. Cl. date
Sancordem Malpona Mine	19/52, 44/56, 27/53, 39/56	M/s V.M. Salgaocar & Bros Ltd P.O. Box No. 14 Vasco da Gama, Goa	Sancordem, Malpona	Malpona Part of 5, 11, 12, 15 to 17, 19, 20 to 22, 24 & 25, Surla Part of 39, 40, 42 & 43	318.94	1179.89 lakh	Jan 5, 2004	Nov 17, 2005
Copita Gaichem Paul mine of Sociedade Timblo Irmaos Ltd	88/52	Sociedade Fomento Inds P.O. Box No. 31, Villa Flores da Silva, EC street, Margao, Goa	Sigao	30 to 34	94	500 lakh	Jan 5, 2004	Sep 3, 2007
Santonachi Uprini mine of Zarpkar & Parkar	34/55	M/s Salgaocar Mining Industries Salgaocar Chambers, Margao, Goa	Dabal	part of 3, 4, 17, 18, 19, 161, 258, 169 full to 12, 17	98.3	300 lakh	Jan 5, 2004	Oct 28, 2005
Kalay iron ore mine of N.S. Narvekar	12/52	Sociedade Fomento Inds (address as given earlier)	Santona	7, 8, 12 to 16, 24, 25	176.76	4.1 crore	Jan 8, 2004	May 14, 2007
Saniem iron ore mine of M.S. Taluikar	2/51	Sociedade Fomento Inds (address as given earlier)	Sancordem, Malpona	40, 50, 52-56, 59	50.3	3.5 lakh	Jan 8, 2004	Nov 25, 2005
Tudou iron ore mine of Chowgule Co Pvt	40/57, 42/57	Chowgule Co Pvt Chowgule House, Mormugao Harbour, Mormugao, Goa	Tudou		171.86	36 lakh	Jan 8, 2004	Mar 22, 2006
Bimblon iron ore mine of Emco Goa	23/53, 7/41	Chowgule Co Pvt (address as given earlier)	Sigao, Mollem Collem		46.106	47 lakh	Jan 12, 2004	Feb 16, 2006
Monte Irangui iron ore mine of Roy Antao & Sane Antao	55/53	Chowgule Co Pvt (address as given earlier)	Potrem		31.34	4.5 lakh	Jan 12, 2004	Jan 12, 2006
Codli Group of mines	69/51, 70/52, 126/53	Sesa Goa Ltd Sesa Ghor, P.O. Box No. 125, EDC, Patto, Panaji, Goa	Codli		298.58	75 crore	Jan 12, 2004	Sep 6, 2005
Huldol Dongor (Bimblon mine)	8/41	G.N. Agrawal Stal Road, P.O. Box No. 107, Margao, Goa	Sigao	30, 31, 32, 62, 72	97.5	2.38 crore	Mar 8, 2004	Oct 26, 2005
Kirlapale iron ore mine of Ahilabai Sardesai	41/54	M/s V.S. Dempo & Co, Campal, Panaji, Goa	Carmonem & Bandoli	35, 37, 38, 40, 41, 42, 43 of Carmonem & 49 to 54 of Bandoli	85.5	2.86 crore	Mar 3, 2004	Nov 17, 2005
Dudhal iron ore mine	7/50	M/s V.S. Dempo & Co (address as given earlier)	Dudhal & Maulinguem	44, 48 to 51 of Dudhal & 7, 8, 9 of Maulinguem	32.72	72 lakh	Mar 3, 2004	Nov 17, 2005
Colomba iron ore mine	35/52	M/s V.S. Dempo & Co (address as given earlier)	Rivona	109, 115, 127, 128, 131, 132, 134	98.46	2.15 crore	Mar 3, 2004	Nov 17, 2005
Curpem iron ore mine	3/51	M/s V.S. Dempo & Co (address as given earlier)	Curpem & Sulcorna	2, 20, 52, 55, 56, 57 of Curpem & 11 of Sulcorna	82.5	80 lakh	Mar 3, 2004	Nov 17, 2005
Vichundrem iron ore mine of Hira Bombo Gauns	38/52	M/s V.S. Dempo & Co (address as given earlier)	Vichundrem	1, 12 to 16, 51, 52, 53	100	75 lakh	Mar 3, 2004	Nov 17, 2005
San Demominaco Especial iron ore mine	5/53	Manuel Da Costa H. No. 1560, Curtorim, Goa	Tudou, Patiem	1, 12 to 16, 51, 52, 53 parts H. 2, 24 of Tudou part of 1/1, 2/1, 0, 5/1, 5/2, 5/3, 5/4, 6/0, 4/0, 8/0, 9/1, 10/0, 11/0, 22/0, 26/0, 27/0	95.09	20 lakh	Mar 8, 2004	Sep 30, 2005
Nomoxitembo de Caurem mine of M/s Badruddin Mavani	14/52	M/s Sociedade Timblo Irmaos Limitada P.O. Box No. 34, Kadar Manzil, Margao, Goa	Colomba & Sulcorna	Part of 82, 83, 87, 88, 89, 90, 91, 92, 95, 96, 100, 103, 09, 10	71.41	6 crore	Mar 8, 2004	Sep 30, 2005
Oikrio Dirodgal Curdi mine of Noor M.A. Karim	43/53	M/s Sociedade Timblo Irmaos Limitada (address as given earlier)	Curdi	44, 48, Part of 43, 45, 46, 47, 52,	34.22	1 crore	Mar 8, 2004	Sep 30, 2005
Godbaim ou Cuttiem mine of C.F. Naik	63/51	M/s Sociedade Timblo Irmaos Limitada (address as given earlier)	Curpem, Sanguem	Part of 6, 7, 12, 13, 14, 1, 2	69.47	50 lakh	Mar 8, 2004	Sep 30, 2005
Odamola iron ore mine of SOVA	45/54	M/s Salgaocar Mining Industries (address as given earlier)	Sangod	7 (1, 2, 3), 9 (1, 2, 3)	85.72	5 crore	Jan 5, 2004	Oct 28, 2005, granted perm EC on Oct 23, 2007
Tollem Group of Mines	19/54, 3/57, 33/57	Kunda R.S. Gharse Near Municipality P.O. No. 204, Margao, Goa	Tudou, Patiem	2, 3, 4, 5, 6, 19, 1, 23, 25, 26 and Part of 2, 22, 20, 18, 20, 24 of Tudou and 3, 4, 49 and Part of 1, 8 of Patiem	261.792	20 crore	Feb 2, 2005	Sep 30, 2005
Chiraband-e-vall mine of R.R. Painguinkar	8/50	M/s Sociedade Timblo Irmaos Limitada (address as given earlier)	Patiem, Uguem	Parts of 5/1, 7, 8, 11, 12/1, 12/2, 13/3, 1/1-1/6, 15/1, 18/1, 18/2, 19 of Patiem and parts of 48/1, 48/5, 49/2, 49/3, 52 of Uguem	81.9	1 crore	Feb 2, 2005	Sep 30, 2005
Bondra Advona Curpem iron ore mine	61/53	Pandurang Timblo Subhash Timblo Bhavan P.O. Box No. 242, Margao, Goa	Codli,	1/1, 140, 148, 149, 24, 27, 28, 30, 31	96.28	1.01 crore	Feb 2, 2005	Oct 20, 2005
Collem iron ore mine	30/50	Dr Prafulla R. Hede Dr Malbarai House, 2nd Floor, Rue Ismael Gracias, P.B. No. 181, Panaji, Goa	Collem-Sanguem	36/1 and 37/1	82.52	23.77 lakh	Feb 2, 2005	Oct 28, 2005
Carea Codilupri adam Tembo E Sauripar (Maulinguem) of R.T. Duelkar	20/51	Resource International	Maulinguem	Part of 1 to 5, 7, 8, 19, full 23, 27, 29, 30	87.21		Feb 2, 2005	Sep 17, 2007

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Mortegal Mordim mine of Vicente Fernandes	68/53	M/s Sociedade Timblo Irmaos Limitada (address as given earlier)	Uguem	Parts of 41, 42/1 to 42/8, 43, 44/1, to 44/11, 42/2 to 5, 46/0	70.46	16 lakh	Feb 2, 2005	Dec 26, 2005
Sancordem iron ore mine	29/55	Atchut V.S. Velingkar Veling, Post Mardol, Goa	Agloite, Sanguem	Part of 13, 17, 18	47.72	75.89 lakh	Feb 2, 2005	Dec 26, 2005
Shakti Bauxite mine	25/68	Pravin Kumar Gosalia	Betul, Maqueri, Morploq, Velim, Fatorpa, Quepem		826.15	55.11 lakh	Feb 2, 2005	June 15, 2006
Gotukwade-cho Temb iron ore mine	50/58	Smt Shakuntala Rege	Collem	Part of 27 to 29	33.25	24.4 lakh	Feb 2, 2005	Aug 25, 2006
Surla -Sonshi iron ore mine	5/54, 20/54, 21/54	M/s V.S. Dempo & Co (address as given earlier)	Surla sonshi, Vonvoilem		253.393	19.84 crore	Dec 8, 2003	Nov 17, 2005
Bicholim iron ore mine	11/41, 12/41, 13/41, 14/41, 15/41	M/s V.S. Dempo & Co (address as given earlier)	Lamgao, Mayem, Bordem, Mulgao and Sirigao		479	13.54 crore	Dec 8, 2003	Nov 17, 2005
Band Don Col iron ore mine	2/ Fe/71	M/s Damodar Mangalji Damodar Niwas, M.G. Road, P.B. Box No. 32, Panaji, Goa	Pissurlem, Sattari	11 to 13, 18, 9, 41 to 44	18.47	15 lakh	Dec 8, 2003	Sep 30, 2005
Deulem Pissurlem iron ore mine	70/51	M/s R.S. Shetye Trionara	Pissurlem, Sattari	39 to 43, 11, 18, 19	99.47	3.55 crore	Dec 8, 2003	Sep 30, 2005
Sirigao iron ore mine	5/49, 13/49	Chowgule Co Pvt (address as given earlier)	Sirigao, Mayem		75.25	1.15 crore	Dec 8, 2003	Dec 27, 2005
Vaguriem iron ore mine	93/53	Chowgule Co Pvt (address as given earlier)	Vaguriem	3, 12, 16 to 20, 26 to 30	62.26	45 lakh	Dec 8, 2003	Jan 5, 2006
Dignem iron ore mine	92/52	M/s Sociedade Timblo Irmaos Limitada (address as given earlier)	Cudnem, Bicholim	Parts of 150 to 159	43.136	3 crore	Dec 8, 2003	Sep 30, 2005
Cazzeachem Calna iron ore Mine (Cudnem) of Shri Raghuvir Sinai Gharse at Bicholim	51/52	M/s V.M. Salgaocar & Bros Ltd P. O. Box No. 14 Vasco da Gama, Goa	Cudnem	97, 98, 102, 106, 107 and 101, 108	79.53	73.96 lakh	Apr 20, 2005	Mar 23, 2006
Guellem-e-Gaval iron ore mine (Pissurlem) Sattari North	55/51	Sociedade Fomento Inds (address as given earlier)	Pissurlem, Bicholim	32 to 36, 38, 41	87.55	4.0 crore	Apr 20, 2005	Jan 17, 2007
Gaval Sonshi iron ore mine of M/s Cosme Costa & Sons (Pissurlem) Sattari North	110/53	Sesa Goa Ltd (address as given earlier)	Pissurlem, Bicholim	41/1	62	12.5 crore	Apr 25, 2005	Sep 4, 2006
Pale iron ore mine Mati (Cudnem) Mine Bicholim	31/53, 41/56	Chowgule Co Pvt (address as given earlier)	Pale, Velguem and Poncem, Bicholim	Pale 24, 27 to 31, Velguem 37 and 77 Poncem 7, 11, 12 & Parts of 4 to 6, 8, 10, 13, 14	152.63	61.94 lakh	Apr 20, 2005	Nov 24, 2006
Velguem/Surla iron ore mine Mati (Cudnem) Mine Bicholim	83/52, 29/54, 19/58	M/s V.M. Salgaocar & Bros Ltd (address as given earlier)	Velguem, Surla, Sonus, Vonvoilem	Part 32 to 38 & 61 of Velguem, Part 160, 161, 162, 166, 167, 171, 174, 180, 181, 182, 199, 200, 201, 210, 213, 216, 217, 224, 228, 229, 232, 233 & full 163, 164, 165, 183 to 190 & 202 to 209, 211, 212, 218 to 223, 225 to 227, 428 of Surla Part 6, 10, 11, 13, 29, 31, 32, 35, 37 full 33, 34, 36 of Sanguem	286.693	204.48 lakh	Apr 20, 2005	Mar 28, 2006
Gavanem iron ore mine (Xelpo Curado) Sattari North	26/57	Chowgule Co Pvt (address as given earlier)	Xelpo, Curado	9, 12 to 25	100	34.44 lakh	Apr 20, 2005	Aug 17, 2006
Onda iron ore mine	98/52	Chowgule Co Pvt (address as given earlier)	Cudnem & Onda, Sattari	103 of Cudnem, 123-143 of Onda	74.61	1.06 lakh	Apr 20, 2005	Aug 17, 2006
Purmar-e-Parvodeet of Sallitho ores Pvt Ltd Mati (Cudnem) Mine Bicholim	86/53	M/s Salgaocar Mining Industries (address as given earlier)	Pale	63, 64	94.6	5.28 crore	Apr 25, 2005	May 10, 2007
Sonshi iron ore mine Sattari North	16/55	V.G. Queuin	Sonus, Vonvoilem		56.79	1.15 crore	Apr 20, 2005	May 18, 2006
Sanguelim Group of mines	9/49, 10/49, 3/54	Sesa Goa Ltd (address as given earlier)	Maulinguem	17, 18, parts of 2, 4 to 13, 19, 20, 23 to 28 and 30	203.54	1.79 crore	Apr 25, 2005	Jul 6, 2007
Sigao iron ore mine Sanguem, Goa	47/54, 50/53, 13/55	M/s V.M. Salgaocar & Bros Ltd (address as given earlier)	Sigao	21, 23, 30, 31 and 34 full 24 to 29	174.41	77.49 lakh	May 5, 2005	Mar 28, 2006
Vangi Bindi Advona (Fe/Mn) iron ore mine at Sulcorna Sanguem, Goa	10/51	M/s Haidar Kasim Khan Govt Hospital Road Kakoda, Curchorem, Goa	Vichundrem Sulcorna	17, 51 of Vichundrem 16, 11 of Sulcorna	83.06	2.0 crore	May 5, 2005	Feb 15, 2006
Costi iron ore mine Sanguem, Goa of Chowgule & Co Ltd	22/50, 38/51, 12/57	Chowgule Co Pvt (address as given earlier)	Costi	2, 4, 8, 9, 11 to 14, 2, 4, 24, 49, 51, 1, 13, 14, 15	127.92	58.67 lakh	Jan 15, 2005	Dec 1, 2006
Costi iron ore mine (Santona, Dudhal) Sanguem, Goa of V.D. Chowgule	40/50, 16/51	Chowgule House, Mormugao Harbour, Mormugao, Goa	Santona/ Dudhal	39, 41, 43, 44, 45, 47, 48, 49, 50 and 51 of Santona 54 to 63 of Dudhal	167.78	46.43 lakh	Jan 15, 2005	Nov 27, 2006

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Sucoltim Iron ore mine Sanguem, Goa	143/53	Pandurang Timblo (address as given earlier)	Sangod	1/2, 2/1, 3/1, 3/2, 8/1, 8/2 Parts of 1/1, 3/1, 4/1, 4/2, 6/4, 7/1, 9/1, 9/2/1	99.6	55.12 lakh	May 12, 2005	May 18, 2006
Shigao (Advona Tokematti E Galiguro) iron ore mine 87/53 Sanguem Goa	87/53	Pandurang Timblo (address as given earlier)	Sigao Sanguem	31/1, 33/1, 33/2, 34/1, 35/1, 60/1, 60/2, 60/3, 61/1, 62/1, 63/1, 64/1, 65/1	50.4	63.5 lakh	May 12, 2005	Jul 13, 2006
Corpedegal iron ore mine of R.V.S. Velingkar	24/57	R.V.S. Velingkar Veling, Ponda, Goa	Sanguem Dharbandora,	137 to 140, Part of 131, 133 to 136, 141, 143, 146, 148	59.65	51.2 lakh	May 12, 2005	Feb, 2007
Borchi Mordim iron ore mine of G.N. Agrawal	6/61	Sociedade Fomento Inds (address as given earlier)	Maina, Quepem	3, 4, 8, 9, 10 and Part of 1, 2, 5, 6	92.243	2.0 crore	Aug 31, 2005	Dec 22, 2006
Gogoro Ou Galcan Dongor mine of Hirralal Khodidas	6/49	Sociedade Fomento Inds (address as given earlier)	Colomba, Sanguem	Parts of 42 to 46, 54 to 59, 67 to 70	70.18	2.5 crore	Aug 31, 2005	Mar 12, 2007
Navelem Dongor Manganese mine of Ashok P. Kuchadkar	53/52	Ashok P. Kuchadkar, Opp Railway Station, Curchorem, Goa	Curpem, Colomba, Sulcorna in Sanguem	73 part (Colomba), 2 part (Curpem), 10 part and 11 part, Sulcorna	31.43	15 lakh	Sep 14, 2005	Aug 17, 2006
Suktoli iron ore mine of Casa Goa Ltd Chimotevalavorli	82/53	M/s Salgaocar Mining Industries (address as given earlier)	Sangod	1, 38, 85, 86, 87, 88, 91 to 95	96.85	3.20 crore	Sep 21, 2005	Jun 7, 2007
Madiencho Sodo iron ore mine of M/s Nalini V. Naik	31/56	M/s Salgaocar Mining Industries (address as given earlier)	Sangod, Sanguem	30, 31, 32, 35 to 39, 87, 88	98.2	3.40 crore	Sep 21, 2005	Jul 23, 2007
M/s Marzook and Cadar Pvt lhd at Dharbandora village in Sanguem Taluka	4/55	M/s Salgaocar Mining Industries (address as given earlier)	Dharbandora	121 to 132, 135, 136	65.23	7.60 crore	Jul 21, 2005	May 10, 2007
M/s Timblo Pvt. Ltd. Caotone, Dusrial, Codli	14/58	Sesa Goa Ltd (address as given earlier)	Codli/ Sanguem	24, 29, 30, 35, 36, 30/30	40.76	8.75 crore	May 12, 2005	Jul 5, 2007
M/s Rajsh De Souza Vagler, Shismamordi, Sangod, Village, Sanguem	7/58	M/s Salgaocar Mining Industries (address as given earlier)	Sangod/ Sanguem	part of 57 to 63	96.48	3.90 crore	May 12, 2005	May 10, 2007
M/s Gajanan S Padiar Vagxepo Molcornem Fe-Mn DandoAmabeya Temb	1/Fe. Mn/78	M/s Gajanan S Padiar House No. 121, Paroda, Goa	Molcornem, Quepem	86 to 91, 104 to 111, 114, 117	65.24		May 5, 2005	Jun 27, 2007
Nirankal (EM GUIDI MOLA) Iron ore Mine of Smt Sudha M. Goundalkar	95/53	M/s Velingkar Brothers IVth floor, Dalal Comm'l Complex, Near Hari Mandir, Margao, Goa	Nirankal/ Ponda	114, 115, 151 to 156 and Part of 116, 147, 150, 157 and 158	85.55	35.82 lakh	Jun 12, 2005	Jun 27, 2007
Marsodo iron ore Mine of M/s Damodar Mangalji Damodar Niwas, M.G. Road, P.B. Box No. 32, Panaji, Goa	95/52	M/s Damodar Mangalji Damodar Niwas, M.G. Road, P.B. Box No. 32, Panaji, Goa	Pissurlem/ Sattari	6 to 22 and 43 to 45	98.37	70 lakh		Apr 9, 2007
Gavanem iron ore mine (Dhangarwado Xelpencho Sodo)	31/55	M/s Chowgule & Co Pvt (address as given earlier)	Xelpo Curado, Ambelim & Gavanem Villages in Sattari Taluka	Part of 93, 96, 97, 98 of Netorlim and Part of 5, 35, 36 of Vichundrem	98	13.92 lakh	Jun 12, 2005	May 17, 2007
Monte Udo iron & manganese ore mine of M/s Chowgule & Co Ltd	93/52	M/s Chowgule & Co Pvt (address as given earlier)	Rivona/ Sanguem	88, 92, 95, 109 to 113 and 136	74.005	31.59 lakh	Jul 5, 2006	Jun 7, 2007
Khuntie Moll iron and manganese ore mine	57/53	M/s Chowgule & Co Pvt (address as given earlier)	Sulcorna/ Quepem and Curpem and Vichundrem in Sanguem	11, 14 to 17 of Sulcorna, 2 of Curpem and 51 of Vichundrem	99.33	43.46 lakh	Jul 5, 2006	May 17, 2007
Cavrem iron and manganese ore mine	14/51	M/s Chowgule & Co Pvt (address as given earlier)	Colomba/ Sanguem	72, 73, 77 to 89, 92 to 96, 101, 102 and 121	99.82	19.28 lakh	Jul 5, 2006	Jul 27, 2007
Vansola Tembo ou ximevorli dongor Vichundrem iron ore mine	67/52	Atchut V.S. Velingkar Veling, Post Mardol, Goa	Netorlim/ Sanguem	Part of 93, 96, 97, 98 of Netorlim and Part of 5, 35, 36 of Vichundrem	42.97	13.92 lakh	Jul 5, 2006	Jun 27, 2007
Carpedegga (Codli) iron ore mine	25/56	Xec Mustafa Cadar	Codli/ Sanguem	30 to 34	40.29	31 lakh	Dec 12, 2006	Oct 24, 2007
Tembsachem Dongor iron ore mine	51/51	Jairam B. Neugui	Maina, Canvorem, Rivona in Quepem and Sanguem	7, 66 and 77 of Maina, 34, 35, 36 of Cavorem and 168/1 and 168/3 of Rivona	99.37	20 lakh	Dec 12, 2006	Sep 18, 2007