

Ambient Air Quality Readings

North Cluster Mines

1. Bicholim Iron Ore Mine (T.C. No. 11/1941, 12/1941, 13/1941, 14/1941 & 15/1941)

Data for the month of May 2016

Location	Particulate Matter in $\mu\text{g}/\text{m}^3$ (Limit: 1200 $\mu\text{g}/\text{m}^3$)
2 Top Mine face	493
1 Top Weigh Bridge Service Road	388
5 Top Ore storage/ Loading	330
NSP (Dry Screening Plant)	529

Location	PM _{2.5} in $\mu\text{g}/\text{m}^3$ (Limit: 60 $\mu\text{g}/\text{m}^3$)	PM ₁₀ in $\mu\text{g}/\text{m}^3$ (Limit: 100 $\mu\text{g}/\text{m}^3$)	SO ₂ in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)	NO _x in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)
Ladfem Village	24	41	4	7
Sarvan Village	21	38	8	10
Pilgao Village	32	46	4	11
Sirsaim Village	34	87	5	6

* Duration of Monitoring: 24 hours

2. Surla- Sonshi Iron Ore Mine (T.C No 21/1954, 5/1954, 20/1954)

Data for the month of May 2016

Location	Particulate Matter in $\mu\text{g}/\text{m}^3$ (Limit: 1200 $\mu\text{g}/\text{m}^3$)
Pit Edge (Mine face)	214
Mine office (Service Road)	340
Weigh Bridge (Ore storage/loading)	444
SMBP (Screening Plant)	435

Location	PM _{2.5} in $\mu\text{g}/\text{m}^3$ (Limit: 60 $\mu\text{g}/\text{m}^3$)	PM ₁₀ in $\mu\text{g}/\text{m}^3$ (Limit: 100 $\mu\text{g}/\text{m}^3$)	SO ₂ in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)	NO _x in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)
Khodgini Village	20	45	5	8
Surla Village	30	85	4	6
Surla Beneficiation Plant	36	59	7	10
Surla Jetty	33	60	7	9

3. Orasso Dongor Mine (T.C. No. 76/1952)

Mining Operations not yet resumed.

Central Cluster Mines

1. Sanquelim Iron Ore Mine (T.C No. 9/1949, 10/1949 & 3/1954)

Data for the month of May 2016

Location	Particulate Matter in $\mu\text{g}/\text{m}^3$ (Limit: 1200 $\mu\text{g}/\text{m}^3$)
Mine Face/ Weighbridge	102

Location	PM _{2.5} in $\mu\text{g}/\text{m}^3$ (Limit: 60 $\mu\text{g}/\text{m}^3$)	PM ₁₀ in $\mu\text{g}/\text{m}^3$ (Limit: 100 $\mu\text{g}/\text{m}^3$)	SO ₂ in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)	NO _x in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)
Cudnem Village	22	51	2	8
Viridi village	17	33	4	9
Sonshi Village	32	72	5	14
Sanquelim Village	23	57	3	3
Datin Village	31	71	5	7

* Duration of Monitoring: 24 hours

2. Mareto Sodo Iron Ore Mine (T.C. No. 6/1955)

Data for the month of May 2016

Location	Particulate Matter in $\mu\text{g}/\text{m}^3$ (Limit: 1200 $\mu\text{g}/\text{m}^3$)
Near Substation Mine Face	241
Camp Area Service Road	228
Near Security Gate B, Ore Storage/Loading	256
Mine Junction Waste Dump	148

Location	PM _{2.5} in $\mu\text{g}/\text{m}^3$ (Limit: 60 $\mu\text{g}/\text{m}^3$)	PM ₁₀ in $\mu\text{g}/\text{m}^3$ (Limit: 100 $\mu\text{g}/\text{m}^3$)	SO ₂ in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)	NO _x in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)
Cudnem Village	22	51	2	8
Viridi village	17	33	4	9

Sonshi Village	32	72	5	14
Sanquelim Village	23	57	3	3
Datin Village	31	71	5	7

* Duration of Monitoring: 24 hours

3. Botvadeacho Iron Ore Mine (T.C No. 28/1951)

Mining Operations not yet resumed.

South Cluster Mines

1. Codli Iron Ore Mine (T.C. No. 70/52, T.C. No. 126/53 and T.C No.69/51)

Data for the month of May 2016

Location	Particulate Matter in $\mu\text{g}/\text{m}^3$ (Limit: 1200 $\mu\text{g}/\text{m}^3$)
Near Pit 3	233
Plant 3 B	298
Office Premises	181
Near Weigh Bridge	319

Location	PM _{2.5} in $\mu\text{g}/\text{m}^3$ (Limit: 60 $\mu\text{g}/\text{m}^3$)	PM ₁₀ in $\mu\text{g}/\text{m}^3$ (Limit: 100 $\mu\text{g}/\text{m}^3$)	SO ₂ in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)	NO _x in $\mu\text{g}/\text{m}^3$ (Limit: 80 $\mu\text{g}/\text{m}^3$)
Khauri Village	21	59	7	14
Davcona Village	24	60	3	11
Kalsai Village	33	70	8	15
Karmone Village	41	68	3	7

* Duration of Monitoring: 24 hours

2. Curpem Iron Ore Mine (T.C. No: 3/1951 & 40/1954)

Mining Operations not yet resumed.

3. Colomba iron Ore Mine (T.C 35/1952)

Mining Operations not yet resumed.