

**6. State wise Average Sale Price of Minerals by grades
for which royalty is chargeable on ad valorem basis not linked to any international benchmark price**

Month : March 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
India		Corundum	Rs./kg NA
Bauxite	Rs./t	Corundum (ruby)	Rs./kg NA
Non-Metallurgical		Diamond	Rs./crt 11141
Cement	350	Diaspore	Rs./t 1763
Abrasive	NA	Dunite	Rs./t 800
Refractory	1640	Felspar	Rs./t 283
Others (U)	NA	Fireclay	Rs./t 199
Chromite	Rs./t	Felsite	Rs./t 716
Lumps		Fluorite (graded)	Rs./t
Up to 40% Cr2O3	4053	Up to 30% CaF2	NA
40 - 52% Cr2O3	9000	30-70% CaF2	4861
Above 52% Cr2O3	NA	70-85% CaF2	8405
Fines		Above 85% CaF2	NA
Up to 40% Cr2O3	2577	Garnet (abrasive)	Rs./t 2151
40 - 52% Cr2O3	13659	Garnet (gem)	Rs./kg NA
Above 52% Cr2O3	17008	Graphite (r.o.m.)	Rs./t
Concentrates	7613	With less than 40% fixed carbon	410
Iron Ore (lumps)	Rs./t	With 40% or more fixed carbon	NA
Below 55% Fe	1297	Gypsum	Rs./t 474
55 - 58% Fe	2247	Jasper	Rs./t NA
58 - 60% Fe	3035	Kaolin (natural)	Rs./t 210
60 - 62% Fe	4200	Kaolin (processed)	Rs./t 2910
62 - 65% Fe	4797	Kyanite	Rs./t
65% Fe & above	4933	Up to 40% Al2O3	NA
Iron Ore (fines)	Rs./t	Above 40% Al2O3	NA
Below 55% Fe	657	Sillimanite	Rs./t 6644
55 - 58% Fe	1612	Laterite	Rs./t
58 - 60% Fe	1964	Non-Metallurgical	
60 - 62% Fe	1964	Cement	171
62 - 65% Fe	2175	Abrasive	NA
65% Fe & above	2799	Chemical	NA
Iron Ore Conc.	Rs./t NA	Refractory	NA
Manganese Ore	Rs./t	Others	NA
MnO2	26184	Magnesite	Rs./t 2644
Up to 25% Mn	1497	Marl	Rs./t NA
25 - 35% Mn	4182	Mica (crude)	Rs./kg 28
35 - 46% Mn	9658	Mica (waste & Scrap)	Rs./kg NA
Above 46% Mn	12807	Perlite	Rs./t NA
Agate	Rs./t 500	Pyrites	Rs./t NA
Apatite	Rs./t 2150	Pyrophyllite	Rs./t 657
Phosphorite	Rs./t	Pyroxenite	Rs./t 270
Up to 25% P2O5	511	Quartz	Rs./t 244
25 - 30% P2O5	NA	Quartzite	Rs./t 564
Above 30% P2O5	8500	Silica Sand	Rs./t 221
Asbestos	Rs./t	Sand (others)	Rs./t NA
Amphibole	NA	Salt (rock)	Rs./t NA
Ball Clay	Rs./t 531	Shale	Rs./t 118
Barytes	Rs./t	Slate	Rs./t 945
White	5072	Steatite	Rs./t
Off Colour	4151	Insecticide (Filler) grade	546
Calcite	Rs./t 337	Other than insecticide (Filler) grade	1449
Chalk	Rs./t 400	Selenite	Rs./t 1330
Clay (others)	Rs./t 214		

NA : Not Available lme: London Metal Exchange t : Tonne mt : Metric Tonne
(U) : Under Reference lbm: London Bullion Market c : Cents \$: Dollar tr oz : Troy Ounce

* : Average Sale Price for March 2013, Source - MINERALS & METALS REVIEW, April 2013. Daily average prices have been taken for Gold & Silver.

**6. State wise Average Sale Price of Minerals by grades
for which royalty is chargeable on ad valorem basis not linked to any international benchmark price**

Month : March 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
Vermiculite	Rs./t 569	Shale	Rs./t 101
Wollastonite	Rs./t 861	Steatite	Rs./t
Aluminium (lme Price)*	\$/mt 1913	Insecticide (Filler) grade	356
Copper (lme Price)*	\$/mt 7663	Other than insecticide (Filler) grade	706
Lead (lme Price)*	\$/mt 2183	Vermiculite	Rs./t 261
Nickel (lme Price)*	\$/mt 16728	Bihar	
Tin (lme Price)*	\$/mt 23337	Mica (crude)	Rs./kg NA
Zinc (lme Price)*	\$/mt 1935	Mica (waste & Scrap)	Rs./kg NA
Silver (lme Price)*	c/tr oz 2880	Pyrites	Rs./t NA
Gold (lme Price)*	\$/tr oz 1593	Quartz	Rs./t NA
Andhra Pradesh		Quartzite	Rs./t 450
Iron Ore (lumps)	Rs./t	Steatite	Rs./t
Below 55% Fe	551	Insecticide (Filler) grade	NA
55 - 58% Fe	NA	Chhattisgarh	
58 - 60% Fe	NA	Bauxite	Rs./t
60 - 62% Fe	NA	Non-Metallurgical	
62 - 65% Fe	NA	Abrasive	NA
Iron Ore (fines)	Rs./t	Refractory	NA
Below 55% Fe	311	Iron Ore (lumps)	Rs./t
55 - 58% Fe	NA	Below 55% Fe	NA
60 - 62% Fe	NA	55 - 58% Fe	NA
62 - 65% Fe	NA	58 - 60% Fe	NA
Manganese Ore	Rs./t	60 - 62% Fe	NA
MnO2	NA	62 - 65% Fe	4234
Up to 25% Mn	794	65% Fe & above	4850
25 - 35% Mn	1549	Iron Ore (fines)	Rs./t
35 - 46% Mn	1891	Below 55% Fe	NA
Above 46% Mn	NA	55 - 58% Fe	NA
Apatite	Rs./t 2150	58 - 60% Fe	2072
Asbestos	Rs./t	60 - 62% Fe	2275
Amphibole	NA	62 - 65% Fe	2532
Ball Clay	Rs./t 604	65% Fe & above	2801
Barytes	Rs./t	Clay (others)	Rs./t NA
White	7810	Quartz	Rs./t 400
Off Colour	4163	Quartzite	Rs./t 811
Calcite	Rs./t NA	Steatite	Rs./t
Clay (others)	Rs./t 112	Insecticide (Filler) grade	NA
Felspar	Rs./t 261	Goa	
Fireclay	Rs./t 251	Bauxite	Rs./t
Garnet (abrasive)	Rs./t 8724	Non-Metallurgical	
Kaolin (natural)	Rs./t 166	Cement	110
Sillimanite	Rs./t 8305	Iron Ore (lumps)	Rs./t
Laterite	Rs./t	Below 55% Fe	NA
Non-Metallurgical		55 - 58% Fe	NA
Cement	136	58 - 60% Fe	NA
Mica (crude)	Rs./kg 28	60 - 62% Fe	NA
Mica (waste & Scrap)	Rs./kg NA	62 - 65% Fe	NA
Pyrophyllite	Rs./t NA	65% Fe & above	NA
Quartz	Rs./t 217	Iron Ore (fines)	Rs./t
Quartzite	Rs./t 464	Below 55% Fe	NA
Silica Sand	Rs./t 178	55 - 58% Fe	NA
Sand (others)	Rs./t NA	58 - 60% Fe	NA
		60 - 62% Fe	NA

NA : Not Available lme: London Metal Exchange t : Tonne mt : Metric Tonne
(U) : Under Reference lbm: London Bullion Market c : Cents \$: Dollar tr oz : Troy Ounce

* : Average Sale Price for March 2013, Source - MINERALS & METALS REVIEW, April 2013. Daily average prices have been taken for Gold & Silver.

**6. State wise Average Sale Price of Minerals by grades
for which royalty is chargeable on ad valorem basis not linked to any international benchmark price**

Month : March 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
62 - 65% Fe	NA	Jammu & Kashmir	
65% Fe & above	NA	Gypsum	Rs./t 300
Iron Ore Conc.	Rs./t NA	Jharkhand	
Manganese Ore	Rs./t	Bauxite	Rs./t
Up to 25% Mn	NA	Non-Metallurgical	
25 - 35% Mn	NA	Cement	NA
35 - 46% Mn	NA	Iron Ore (lumps)	Rs./t
Above 46% Mn	NA	Below 55% Fe	2218
Laterite	Rs./t	55 - 58% Fe	2604
Non-Metallurgical		58 - 60% Fe	2799
Cement	NA	60 - 62% Fe	5229
Pyrophyllite	Rs./t NA	62 - 65% Fe	5229
Gujarat		65% Fe & above	NA
Bauxite	Rs./t	Iron Ore (fines)	Rs./t
Non-Metallurgical		Below 55% Fe	530
Cement	347	55 - 58% Fe	1451
Abrasive	NA	58 - 60% Fe	1451
Refractory	NA	60 - 62% Fe	1797
Others (U)	NA	62 - 65% Fe	1829
Manganese Ore	Rs./t	65% Fe & above	NA
Up to 25% Mn	NA	Manganese Ore	Rs./t
Agate	Rs./t 500	MnO2	NA
Ball Clay	Rs./t 110	Up to 25% Mn	NA
Chalk	Rs./t 400	25 - 35% Mn	NA
Clay (others)	Rs./t 136	35 - 46% Mn	NA
Fireclay	Rs./t 70	Above 46% Mn	NA
Fluorite (graded)	Rs./t	Felspar	Rs./t 151
Up to 30% CaF2	NA	Fireclay	Rs./t NA
Gypsum	Rs./t NA	Graphite (r.o.m.)	Rs./t
Kaolin (natural)	Rs./t 167	With less than 40% fixed carbon	419
Kaolin (processed)	Rs./t 1048	Kaolin (natural)	Rs./t 198
Laterite	Rs./t	Kaolin (processed)	Rs./t 2000
Non-Metallurgical		Kyanite	Rs./t
Cement	110	Up to 40% Al2O3	NA
Abrasive	NA	Above 40% Al2O3	NA
Chemical	NA	Laterite	Rs./t
Others	NA	Non-Metallurgical	
Marl	Rs./t NA	Cement	NA
Perlite	Rs./t NA	Mica (crude)	Rs./kg NA
Pyrophyllite	Rs./t NA	Mica (waste & Scrap)	Rs./kg NA
Quartz	Rs./t 156	Pyrophyllite	Rs./t NA
Silica Sand	Rs./t 99	Pyroxenite	Rs./t 270
Steatite	Rs./t	Quartz	Rs./t 223
Insecticide (Filler) grade	310	Quartzite	Rs./t 220
Haryana		Silica Sand	Rs./t 200
Slate	Rs./t 945	Steatite	Rs./t
Himachal Pradesh		Insecticide (Filler) grade	NA
Barytes	Rs./t	Karnataka	
White	NA	Bauxite	Rs./t
Off Colour	NA	Non-Metallurgical	
Salt (rock)	Rs./t NA	Cement	350
Shale	Rs./t NA	Chromite	Rs./t
		Lumps	
		Up to 40% Cr2O3	4053

NA : Not Available lme: London Metal Exchange t : Tonne mt : Metric Tonne
(U) : Under Reference lbm: London Bullion Market c : Cents \$: Dollar tr oz : Troy Ounce

* : Average Sale Price for March 2013, Source - MINERALS & METALS REVIEW, April 2013. Daily average prices have been taken for Gold & Silver.

**6. State wise Average Sale Price of Minerals by grades
for which royalty is chargeable on ad valorem basis not linked to any international benchmark price**

Month : March 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
40 - 52% Cr2O3	NA	Chemical	NA
Fines		Others	NA
Up to 40% Cr2O3	NA	Silica Sand	Rs./t 1708
40 - 52% Cr2O3	NA	Madhya Pradesh	
Concentrates	NA	Bauxite	Rs./t
Iron Ore (lumps)	Rs./t	Non-Metallurgical	
Below 55% Fe	NA	Cement	543
55 - 58% Fe	NA	Refractory	1640
58 - 60% Fe	2899	Iron Ore (lumps)	Rs./t
60 - 62% Fe	4152	Below 55% Fe	1185
62 - 65% Fe	4409	55 - 58% Fe	1700
65% Fe & above	4409	58 - 60% Fe	NA
Iron Ore (fines)	Rs./t	60 - 62% Fe	NA
Below 55% Fe	975	Iron Ore (fines)	Rs./t
55 - 58% Fe	2484	Below 55% Fe	546
58 - 60% Fe	2484	55 - 58% Fe	575
60 - 62% Fe	2484	58 - 60% Fe	1900
62 - 65% Fe	2547	Manganese Ore	Rs./t
65% Fe & above	2835	MnO2	NA
Iron Ore Conc.	Rs./t	Up to 25% Mn	1810
Manganese Ore	Rs./t	25 - 35% Mn	3937
Up to 25% Mn	2153	35 - 46% Mn	9696
25 - 35% Mn	5085	Above 46% Mn	12614
35 - 46% Mn	NA	Phosphorite	Rs./t
Above 46% Mn	NA	Up to 25% P2O5	1104
Clay (others)	Rs./t	25 - 30% P2O5	NA
Dunite	Rs./t	Above 30% P2O5	NA
Felspar	Rs./t	Calcite	Rs./t
Fireclay	Rs./t	650	NA
Felsite	Rs./t	Clay (others)	Rs./t
Kaolin (natural)	Rs./t	716	11141
Kaolin (processed)	Rs./t	Diamond	Rs./crt
Kyanite	Rs./t	2700	1579
Up to 40% Al2O3	NA	Fireclay	Rs./t
Above 40% Al2O3	NA	Kaolin (natural)	Rs./t
Laterite	Rs./t	Laterite	Rs./t
Non-Metallurgical		Non-Metallurgical	
Cement	368	Cement	244
Chemical	NA	Pyrophyllite	Rs./t
Refractory	NA	Quartz	Rs./t
Magnesite	Rs./t	Shale	Rs./t
Quartz	Rs./t	Steatite	Rs./t
Quartzite	Rs./t	Insecticide (Filler) grade	NA
Silica Sand	Rs./t	Other than insecticide (Filler) grade	NA
Shale	Rs./t	Vermiculite	Rs./t
Steatite	Rs./t	Maharashtra	
Insecticide (Filler) grade	NA	Bauxite	Rs./t
Kerala		Non-Metallurgical	
Kaolin (natural)	Rs./t	Cement	NA
Kaolin (processed)	Rs./t	Others (U)	NA
Sillimanite	Rs./t	Chromite	Rs./t
Laterite	Rs./t	Lumps	
Non-Metallurgical		Up to 40% Cr2O3	NA
Cement	366	40 - 52% Cr2O3	NA
		Iron Ore (lumps)	Rs./t

NA : Not Available lme: London Metal Exchange t : Tonne mt : Metric Tonne
(U) : Under Reference lbm: London Bullion Market c : Cents \$: Dollar tr oz : Troy Ounce

* : Average Sale Price for March 2013, Source - MINERALS & METALS REVIEW, April 2013. Daily average prices have been taken for Gold & Silver.

**6. State wise Average Sale Price of Minerals by grades
for which royalty is chargeable on ad valorem basis not linked to any international benchmark price**

Month : March 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
Below 55% Fe	688	60 - 62% Fe	3918
55 - 58% Fe	3163	62 - 65% Fe	5076
58 - 60% Fe	3163	65% Fe & above	5484
60 - 62% Fe	NA	Iron Ore (fines)	Rs./t
62 - 65% Fe	NA	Below 55% Fe	730
Iron Ore (fines)	Rs./t	55 - 58% Fe	1209
Below 55% Fe	678	58 - 60% Fe	1209
55 - 58% Fe	NA	60 - 62% Fe	1489
58 - 60% Fe	1407	62 - 65% Fe	1731
62 - 65% Fe	NA	65% Fe & above	2043
Manganese Ore	Rs./t	Iron Ore Conc.	Rs./t
MnO2	NA	Manganese Ore	Rs./t
Up to 25% Mn	1898	MnO2	26184
25 - 35% Mn	4389	Up to 25% Mn	1398
35 - 46% Mn	10109	25 - 35% Mn	6437
Above 46% Mn	13304	35 - 46% Mn	8835
Clay (others)	Rs./t	Above 46% Mn	17487
Corundum	Rs./kg	Corundum (ruby)	Rs./kg
Fireclay	Rs./t	Fireclay	Rs./t
Fluorite (graded)	Rs./t	Garnet (abrasive)	Rs./t
30-70% CaF2	4861	Graphite (r.o.m.)	Rs./t
70-85% CaF2	8405	With less than 40% fixed carbon	375
Above 85% CaF2	NA	With 40% or more fixed carbon	NA
Kyanite	Rs./t	Kaolin (processed)	Rs./t
Up to 40% Al2O3	NA	Sillimanite	Rs./t
Above 40% Al2O3	NA	Pyrophyllite	Rs./t
Sillimanite	Rs./t	Pyroxenite	Rs./t
Laterite	Rs./t	Quartz	Rs./t
Non-Metallurgical		Quartzite	Rs./t
Cement	NA	Silica Sand	Rs./t
Pyrophyllite	Rs./t	Steatite	Rs./t
Quartz	Rs./t	Insecticide (Filler) grade	NA
Quartzite	Rs./t	Other than insecticide (Filler) grade	NA
Silica Sand	Rs./t	Rajasthan	
Sand (others)	Rs./t	Iron Ore (lumps)	Rs./t
Shale	Rs./t	Below 55% Fe	252
Meghalaya		55 - 58% Fe	NA
Shale	Rs./t	Manganese Ore	Rs./t
Odisha		25 - 35% Mn	2500
Chromite	Rs./t	Phosphorite	Rs./t
Lumps		Up to 25% P2O5	277
Up to 40% Cr2O3	NA	25 - 30% P2O5	NA
40 - 52% Cr2O3	9000	Above 30% P2O5	8500
Above 52% Cr2O3	NA	Ball Clay	Rs./t
Fines		Barytes	Rs./t
Up to 40% Cr2O3	2577	White	813
40 - 52% Cr2O3	13659	Off Colour	610
Above 52% Cr2O3	17008	Calcite	Rs./t
Concentrates	7613	Clay (others)	Rs./t
Iron Ore (lumps)	Rs./t	Felspar	Rs./t
Below 55% Fe	1751	Fireclay	Rs./t
55 - 58% Fe	2009	Fluorite (graded)	Rs./t
58 - 60% Fe	3737	Up to 30% CaF2	NA

NA : Not Available lme: London Metal Exchange t : Tonne mt : Metric Tonne
(U) : Under Reference lbm: London Bullion Market c : Cents \$: Dollar tr oz : Troy Ounce

* : Average Sale Price for March 2013, Source - MINERALS & METALS REVIEW, April 2013. Daily average prices have been taken for Gold & Silver.

**6. State wise Average Sale Price of Minerals by grades
for which royalty is chargeable on ad valorem basis not linked to any international benchmark price**

Month : March 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
30-70% CaF2	NA	Felspar	Rs./t 120
70-85% CaF2	NA	Fireclay	Rs./t 183
Garnet (abrasive)	Rs./t 920	Kaolin (natural)	Rs./t 231
Garnet (gem)	Rs./kg NA	Kaolin (processed)	Rs./t NA
Gypsum	Rs./t 475	Quartz	Rs./t 317
Jasper	Rs./t NA	Quartzite	Rs./t 300
Kaolin (natural)	Rs./t 243	Silica Sand	Rs./t 433
Kaolin (processed)	Rs./t 4210		
Kyanite	Rs./t		
Up to 40% Al2O3	NA		
Sillimanite	Rs./t NA		
Magnesite	Rs./t NA		
Mica (crude)	Rs./kg NA		
Mica (waste & Scrap)	Rs./kg NA		
Pyrophyllite	Rs./t 133		
Quartz	Rs./t 247		
Quartzite	Rs./t 300		
Silica Sand	Rs./t 445		
Steatite	Rs./t		
Insecticide (Filler) grade	212		
Other than insecticide (Filler) grade	1447		
Selenite	Rs./t 1330		
Vermiculite	Rs./t NA		
Wollastonite	Rs./t 861		
Tamil Nadu			
Ball Clay	Rs./t NA		
Clay (others)	Rs./t 130		
Dunite	Rs./t 800		
Felspar	Rs./t 411		
Fireclay	Rs./t 138		
Garnet (abrasive)	Rs./t 478		
Graphite (r.o.m.)	Rs./t		
With less than 40% fixed carbon	NA		
Magnesite	Rs./t 2564		
Marl	Rs./t NA		
Quartz	Rs./t 1242		
Silica Sand	Rs./t NA		
Steatite	Rs./t		
Insecticide (Filler) grade	NA		
Vermiculite	Rs./t 2238		
Uttar Pradesh			
Diaspore	Rs./t 1850		
Pyrophyllite	Rs./t 369		
Silica Sand	Rs./t 200		
Uttarakhand			
Magnesite	Rs./t 1282		
Steatite	Rs./t		
Insecticide (Filler) grade	1610		
Other than insecticide (Filler) grade	2341		
West Bengal			
Apatite	Rs./t NA		
Clay (others)	Rs./t NA		

NA : Not Available lme: London Metal Exchange t : Tonne mt : Metric Tonne
(U) : Under Reference lbm: London Bullion Market c : Cents \$: Dollar tr oz : Troy Ounce

* : Average Sale Price for March 2013, Source - MINERALS & METALS REVIEW, April 2013. Daily average prices have been taken for Gold & Silver.