

Extract from Monthly Statistics of Mineral Production November 2013 issue.**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 : November 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 16911
Cement	430	Diaspore	Rs./t 2046
Abrasive	294	Dunite	Rs./t 350
Refractory	1303	Felspar	Rs./t 298
Chemical	730	Fireclay	Rs./t 239
Chromite	Rs./t	Felsite	Rs./t 741
Lumps		Flint Stone	Rs./t 200
Up to 40% Cr2O3	NA	Fluorite (graded)	Rs./t
40 - 52% Cr2O3	NA	Up to 30% CaF2	NA
Above 52% Cr2O3	NA	30-70% CaF2	4573
Fines		70-85% CaF2	NA
Up to 40% Cr2O3	2617	Above 85% CaF2	NA
40 - 52% Cr2O3	12673	Garnet (abrasive)	Rs./t 7144
Above 52% Cr2O3	13717	Garnet (gem)	Rs./kg NA
Concentrates	9938	Graphite (r.o.m.)	Rs./t
Iron Ore (lumps)	Rs./t	With less than 40% fixed carbon	476
Below 55% Fe	1140	With 40% or more fixed carbon	NA
55 - 58% Fe	2448	Gypsum	Rs./t 472
58 - 60% Fe	2845	Jasper	Rs./t NA
60 - 62% Fe	3191	Kaolin (natural)	Rs./t 198
62 - 65% Fe	3998	Kaolin (processed)	Rs./t 2821
65% Fe & above	4771	Kyanite	Rs./t
Iron Ore (fines)	Rs./t	Up to 40% Al2O3	NA
Below 55% Fe	690	Above 40% Al2O3	3187
55 - 58% Fe	1510	Sillimanite	Rs./t 5936
58 - 60% Fe	1521	Laterite	Rs./t
60 - 62% Fe	1688	Non-Metallurgical	
62 - 65% Fe	2000	Cement	193
65% Fe & above	2844	Abrasive	NA
Iron Ore Conc.	Rs./t 3444	Chemical	500
Manganese Ore	Rs./t	Refractory	NA
MnO2	23558	Magnesite	Rs./t 2162
Up to 25% Mn	2032	Marl	Rs./t NA
25 - 35% Mn	4272	Mica (crude)	Rs./kg 28
35 - 46% Mn	10694	Mica (waste & Scrap)	Rs./kg NA
Above 46% Mn	14604	Moulding Sand	Rs./t 82
Agate	Rs./t NA	Perlite	Rs./t NA
Apatite	Rs./t 2130	Pyrites	Rs./t NA
Phosphorite	Rs./t	Pyrophyllite	Rs./t 887
Up to 25% P2O5	528	Pyroxenite	Rs./t NA
25 - 30% P2O5	NA	Quartz	Rs./t 256
Above 30% P2O5	8000	Quartzite	Rs./t 438
Asbestos	Rs./t	Silica Sand	Rs./t 353
Amphibole	NA	Sand (others)	Rs./t NA
Ball Clay	Rs./t 408	Salt (rock)	Rs./t NA
Barytes	Rs./t	Shale	Rs./t 112
White	4694	Slate	Rs./t NA
Off Colour	2535	Steatite	Rs./t
Calcite	Rs./t 354	Insecticide (Filler) grade	392
Chalk	Rs./t 501	Other than insecticide (Filler) grade	1672
Clay (others)	Rs./t 181	Selenite	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 November 2013, Source - MINERALS & METALS REVIEW, December 2013. Daily average prices have been taken for Gold & Silver.

Extract from Monthly Statistics of Mineral Production November 2013 issue.

**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 : November 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
Vermiculite	Rs./t 1349	Steatite	Rs./t
Wollastonite	Rs./t 794	Insecticide (Filler) grade	293
Aluminium (lme Price)*	\$/mt 1749	Other than insecticide (Filler) grade	1003
Copper (lme Price)*	\$/mt 7066	Vermiculite	Rs./t 593
Lead (lme Price)*	\$/mt 2090	Bihar	
Nickel (lme Price)*	\$/mt 13729	Mica (waste & Scrap)	Rs./kg NA
Tin (lme Price)*	\$/mt 22857	Pyrites	Rs./t NA
Zinc (lme Price)*	\$/mt 1869	Quartz	Rs./t NA
Silver (lme Price)*	c/tr oz 2076	Quartzite	Rs./t 459
Gold (lme Price)*	\$/tr oz 1276	Steatite	Rs./t
Andhra Pradesh		Insecticide (Filler) grade	NA
Iron Ore (lumps)	Rs./t	Chhattisgarh	
Below 55% Fe	535	Bauxite	Rs./t
55 - 58% Fe	NA	Non-Metallurgical	
58 - 60% Fe	NA	Abrasive	NA
60 - 62% Fe	NA	Refractory	NA
62 - 65% Fe	NA	Iron Ore (lumps)	Rs./t
Iron Ore (fines)	Rs./t	Below 55% Fe	NA
Below 55% Fe	305	55 - 58% Fe	NA
55 - 58% Fe	NA	58 - 60% Fe	NA
60 - 62% Fe	NA	60 - 62% Fe	NA
62 - 65% Fe	NA	62 - 65% Fe	3994
Manganese Ore	Rs./t	65% Fe & above	4546
MnO2	NA	Iron Ore (fines)	Rs./t
Up to 25% Mn	1646	Below 55% Fe	1407
25 - 35% Mn	1818	55 - 58% Fe	1827
35 - 46% Mn	2295	58 - 60% Fe	2038
Above 46% Mn	NA	60 - 62% Fe	2227
Apatite	Rs./t 2130	62 - 65% Fe	2497
Asbestos	Rs./t	65% Fe & above	2860
Amphibole	NA	Clay (others)	Rs./t NA
Ball Clay	Rs./t 516	Graphite (r.o.m.)	Rs./t
Barytes	Rs./t	With less than 40% fixed carbon	450
White	7704	Moulding Sand	Rs./t 82
Off Colour	2544	Quartz	Rs./t 492
Clay (others)	Rs./t 113	Quartzite	Rs./t 1050
Felspar	Rs./t 332	Steatite	Rs./t
Fireclay	Rs./t 244	Insecticide (Filler) grade	NA
Garnet (abrasive)	Rs./t 7416	Goa	
Kaolin (natural)	Rs./t 185	Bauxite	Rs./t
Sillimanite	Rs./t 7126	Non-Metallurgical	
Laterite	Rs./t	Cement	NA
Non-Metallurgical		Iron Ore (lumps)	Rs./t
Cement	158	Below 55% Fe	NA
Mica (crude)	Rs./kg 28	55 - 58% Fe	NA
Mica (waste & Scrap)	Rs./kg NA	58 - 60% Fe	NA
Pyrophyllite	Rs./t NA	60 - 62% Fe	NA
Quartz	Rs./t 241	62 - 65% Fe	NA
Quartzite	Rs./t 394	65% Fe & above	NA
Silica Sand	Rs./t 158	Iron Ore (fines)	Rs./t
Sand (others)	Rs./t NA	Below 55% Fe	NA
Shale	Rs./t 104	55 - 58% Fe	NA
		58 - 60% 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 November 2013, Source - MINERALS & METALS REVIEW, December 2013. Daily average prices have been taken for Gold & Silver.

Extract from Monthly Statistics of Mineral Production November 2013 issue.**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 : November 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
60 - 62% Fe	NA	58 - 60% Fe	3159
62 - 65% Fe	NA	60 - 62% Fe	4805
65% Fe & above	NA	62 - 65% Fe	4805
Iron Ore Conc.	Rs./t	65% Fe & above	NA
Manganese Ore	Rs./t	Iron Ore (fines)	Rs./t
Up to 25% Mn	NA	Below 55% Fe	640
25 - 35% Mn	NA	55 - 58% Fe	1182
35 - 46% Mn	NA	58 - 60% Fe	1477
Above 46% Mn	NA	60 - 62% Fe	1477
Gujarat		62 - 65% Fe	2204
Bauxite	Rs./t	65% Fe & above	NA
Non-Metallurgical		Manganese Ore	Rs./t
Cement	434	MnO2	NA
Abrasive	294	Up to 25% Mn	NA
Refractory	760	25 - 35% Mn	5184
Manganese Ore	Rs./t	35 - 46% Mn	NA
Up to 25% Mn	NA	Above 46% Mn	NA
Agate	Rs./t	Felspar	Rs./t
Ball Clay	Rs./t	170	627
Chalk	Rs./t	Fireclay	Rs./t
Clay (others)	Rs./t	501	NA
Fireclay	Rs./t	Flint Stone	Rs./t
Fluorite (graded)	Rs./t	70	200
Up to 30% CaF2	NA	Graphite (r.o.m.)	Rs./t
Gypsum	Rs./t	With less than 40% fixed carbon	445
Kaolin (natural)	Rs./t	Kaolin (natural)	Rs./t
Kaolin (processed)	Rs./t	1420	NA
Laterite	Rs./t	Kaolin (processed)	Rs./t
Non-Metallurgical		Kyanite	Rs./t
Cement	NA	Up to 40% Al2O3	NA
Abrasive	NA	Above 40% Al2O3	NA
Chemical	NA	Laterite	Rs./t
Marl	Rs./t	Non-Metallurgical	
Perlite	Rs./t	Cement	NA
Quartz	Rs./t	Mica (crude)	Rs./kg
Silica Sand	Rs./t	181	NA
Steatite	Rs./t	Mica (waste & Scrap)	Rs./kg
Insecticide (Filler) grade	NA	Pyroxenite	Rs./t
Haryana		Quartz	Rs./t
Slate	Rs./t	164	NA
Himachal Pradesh		Quartzite	Rs./t
Salt (rock)	Rs./t	Silica Sand	Rs./t
Shale	Rs./t	Steatite	Rs./t
Jammu & Kashmir		Insecticide (Filler) grade	NA
Gypsum	Rs./t	Karnataka	
Jharkhand		Bauxite	Rs./t
Bauxite	Rs./t	Non-Metallurgical	
Non-Metallurgical		Cement	350
Cement	NA	Chromite	Rs./t
Iron Ore (lumps)	Rs./t	Lumps	
Below 55% Fe	1357	Up to 40% Cr2O3	NA
55 - 58% Fe	3159	40 - 52% Cr2O3	NA
		Fines	
		Up to 40% Cr2O3	NA
		40 - 52% Cr2O3	NA
		Concentrates	NA
		Iron Ore (lumps)	Rs./t
		Below 55% Fe	1172
		55 - 58% Fe	2947

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 November 2013, Source - MINERALS & METALS REVIEW, December 2013. Daily average prices have been taken for Gold & Silver.

Extract from Monthly Statistics of Mineral Production November 2013 issue.**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 : November 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
58 - 60% Fe	3363	58 - 60% Fe	NA
60 - 62% Fe	3363	60 - 62% Fe	NA
62 - 65% Fe	3450	Iron Ore (fines)	Rs./t
65% Fe & above	3646	Below 55% Fe	431
Iron Ore (fines)	Rs./t	55 - 58% Fe	1619
Below 55% Fe	1619	58 - 60% Fe	NA
55 - 58% Fe	2833	Manganese Ore	Rs./t
58 - 60% Fe	2833	MnO2	NA
60 - 62% Fe	2833	Up to 25% Mn	2016
62 - 65% Fe	3508	25 - 35% Mn	3880
65% Fe & above	NA	35 - 46% Mn	9726
Iron Ore Conc.	Rs./t	Above 46% Mn	14588
Manganese Ore	Rs./t	Phosphorite	Rs./t
Up to 25% Mn	2515	Up to 25% P2O5	1104
25 - 35% Mn	5274	25 - 30% P2O5	NA
35 - 46% Mn	NA	Above 30% P2O5	NA
Above 46% Mn	NA	Calcite	Rs./t
Clay (others)	Rs./t	NA	335
Dunite	Rs./t	Clay (others)	Rs./t
Felspar	Rs./t	NA	214
Fireclay	Rs./t	Diamond	Rs./crt
Felsite	Rs./t	NA	16911
Kaolin (natural)	Rs./t	Diaspore	Rs./t
Kaolin (processed)	Rs./t	NA	2700
Laterite	Rs./t	Fireclay	Rs./t
Non-Metallurgical		NA	150
Cement	386	Kaolin (natural)	Rs./t
Chemical	500	NA	60
Refractory	NA	Laterite	Rs./t
Magnesite	Rs./t	Non-Metallurgical	
Quartz	Rs./t	Cement	205
Quartzite	Rs./t	NA	954
Silica Sand	Rs./t	Pyrophyllite	Rs./t
Shale	Rs./t	NA	NA
Kerala		Quartz	Rs./t
Kaolin (natural)	Rs./t	Shale	Rs./t
Kaolin (processed)	Rs./t	NA	500
Sillimanite	Rs./t	Steatite	Rs./t
Laterite	Rs./t	Insecticide (Filler) grade	NA
Non-Metallurgical		Other than insecticide (Filler) grade	450
Cement	490	Maharashtra	
Abrasive	NA	Bauxite	Rs./t
Chemical	NA	Non-Metallurgical	
Silica Sand	Rs./t	Cement	NA
Madhya Pradesh		Iron Ore (lumps)	Rs./t
Bauxite	Rs./t	Below 55% Fe	734
Non-Metallurgical		55 - 58% Fe	NA
Cement	636	58 - 60% Fe	NA
Refractory	1667	60 - 62% Fe	2630
Chemical	730	62 - 65% Fe	NA
Iron Ore (lumps)	Rs./t	Iron Ore (fines)	Rs./t
Below 55% Fe	985	Below 55% Fe	711
55 - 58% Fe	1600	55 - 58% Fe	NA
		58 - 60% Fe	1830
		62 - 65% Fe	NA
		Manganese Ore	Rs./t
		MnO2	22472
		Up to 25% Mn	1251
		25 - 35% Mn	4366
		35 - 46% Mn	11089
		Above 46% Mn	14351
		Corundum	Rs./kg
		NA	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 November 2013, Source - MINERALS & METALS REVIEW, December 2013. Daily average prices have been taken for Gold & Silver.

Extract from Monthly Statistics of Mineral Production November 2013 issue.**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 : November 2013

State / Mineral / Grades	Avg. Price	State / Mineral / Grades	Avg. Price
Fireclay	Rs./t 150	With less than 40% fixed carbon	631
Fluorite (graded)	Rs./t	With 40% or more fixed carbon	NA
30-70% CaF2	4573	Kaolin (processed)	Rs./t NA
70-85% CaF2	NA	Sillimanite	Rs./t NA
Above 85% CaF2	NA	Pyrophyllite	Rs./t NA
Kyanite	Rs./t	Pyroxenite	Rs./t NA
Up to 40% Al2O3	NA	Quartz	Rs./t 621
Above 40% Al2O3	3187	Quartzite	Rs./t NA
Sillimanite	Rs./t 1465	Rajasthan	
Laterite	Rs./t	Iron Ore (lumps)	Rs./t
Non-Metallurgical		Below 55% Fe	268
Cement	NA	55 - 58% Fe	NA
Pyrophyllite	Rs./t 650	Manganese Ore	Rs./t
Quartz	Rs./t 741	25 - 35% Mn	NA
Quartzite	Rs./t 884	Phosphorite	Rs./t
Silica Sand	Rs./t 397	Up to 25% P2O5	277
Sand (others)	Rs./t NA	25 - 30% P2O5	NA
Shale	Rs./t NA	Above 30% P2O5	8000
Odisha		Ball Clay	Rs./t 400
Chromite	Rs./t	Barytes	Rs./t
Lumps		White	813
Up to 40% Cr2O3	NA	Off Colour	610
40 - 52% Cr2O3	NA	Calcite	Rs./t 354
Above 52% Cr2O3	NA	Clay (others)	Rs./t 511
Fines		Felspar	Rs./t 291
Up to 40% Cr2O3	2617	Fireclay	Rs./t 403
40 - 52% Cr2O3	12673	Fluorite (graded)	Rs./t
Above 52% Cr2O3	13717	Up to 30% CaF2	NA
Concentrates	9938	30-70% CaF2	NA
Iron Ore (lumps)	Rs./t	70-85% CaF2	NA
Below 55% Fe	1807	Garnet (abrasive)	Rs./t 920
55 - 58% Fe	2079	Garnet (gem)	Rs./kg NA
58 - 60% Fe	2427	Gypsum	Rs./t 475
60 - 62% Fe	3134	Jasper	Rs./t NA
62 - 65% Fe	4250	Kaolin (natural)	Rs./t 278
65% Fe & above	5242	Kaolin (processed)	Rs./t 4511
Iron Ore (fines)	Rs./t	Mica (crude)	Rs./kg NA
Below 55% Fe	830	Mica (waste & Scrap)	Rs./kg NA
55 - 58% Fe	950	Pyrophyllite	Rs./t 250
58 - 60% Fe	969	Quartz	Rs./t 228
60 - 62% Fe	1272	Quartzite	Rs./t 300
62 - 65% Fe	1584	Silica Sand	Rs./t 453
65% Fe & above	1974	Steatite	Rs./t
Iron Ore Conc.	Rs./t 3444	Insecticide (Filler) grade	285
Manganese Ore	Rs./t	Other than insecticide (Filler) grade	1717
MnO2	23593	Selenite	Rs./t NA
Up to 25% Mn	2313	Wollastonite	Rs./t 794
25 - 35% Mn	6134	Tamil Nadu	
35 - 46% Mn	10065	Ball Clay	Rs./t NA
Above 46% Mn	16779	Clay (others)	Rs./t NA
Corundum (ruby)	Rs./kg NA	Dunite	Rs./t 350
Garnet (abrasive)	Rs./t NA	Felspar	Rs./t 314
Graphite (r.o.m.)	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 November 2013, Source - MINERALS & METALS REVIEW, December 2013. Daily average prices have been taken for Gold & Silver.

Extract from Monthly Statistics of Mineral Production November 2013 issue.**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 : November 2013

State / Mineral / Grades	Avg. Price	
Fireclay	Rs./t	139
Garnet (abrasive)	Rs./t	5000
Graphite (r.o.m.)	Rs./t	
With less than 40% fixed carbon		NA
Gypsum	Rs./t	399
Magnesite	Rs./t	2195
Marl	Rs./t	NA
Quartz	Rs./t	772
Silica Sand	Rs./t	1200
Steatite	Rs./t	
Insecticide (Filler) grade		300
Vermiculite	Rs./t	2235
Uttar Pradesh		
Diaspore	Rs./t	2004
Pyrophyllite	Rs./t	389
Silica Sand	Rs./t	NA
Uttarakhand		
Magnesite	Rs./t	1449
Steatite	Rs./t	
Insecticide (Filler) grade		1895
Other than insecticide (Filler) grade		1895
West Bengal		
Apatite	Rs./t	NA
Felspar	Rs./t	121
Fireclay	Rs./t	185
Kaolin (natural)	Rs./t	591
Kaolin (processed)	Rs./t	2165
Moulding Sand	Rs./t	NA
Quartz	Rs./t	346
Quartzite	Rs./t	275
Silica Sand	Rs./t	428

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 November 2013, Source - MINERALS & METALS REVIEW, December 2013. Daily average prices have been taken for Gold & Silver.