7.0 USE OF MINERAL

a) Describe briefly the end use of the mineral (sale to intermediary parties, captive consumption, export, industrial use).

The lessee has no such captive use of the ore raised from the M.L. area.

b) Indicate physical and chemical specifications stipulated by buyers.

The marketable ore raised from the mine is being consumed by different industries. The detailed specification of ore being supplied to these industries is as follows:

SPECIFICATION OF IRON ORE WITH RESPECT TO CONSUMING INDUSTRIES

Iron Ore Constituents	Blast Furnace	Steel Plan	Sponge Iron Grade
Fe	60 – 67%	62 – 68%	65 – 67%
SiO_2	2 – 3%	2 – 3%	2% max
Al_2O_3	3 – 6%	2 – 3%	3% max
$SiO_2 + Al_2O_3$	Nil	Nil	5% max
Al_2O_3 / SiO_2	1 : 6 max	Nil	1.6 max
P	0.15% max	0.03 – 0.1	0.05% max
S	0.03% max	Nil	0.02% max
Cu	0.03% max	Nil	0.04% max
Pb & Others	Nil	Nil	Traces
Size	10mm to 15mm	50 – 150mm	5 to 18mm

SPECIFICATION OF MANGANESE ORE WITH RESPECT TO CONSUMING INDUSTRIES

Specification	Ferro Manganese	Blast Furnace	Dry Battery	Chemical Industry	Glass Industry
Mn %	46 - 48%	25% min	+72%	+75%	+80%
Silica %	9% max	8% max	Nil	6% max	2.8% max
Alumina %	3% max	8% max	Nil	Nil	1.1% max
Iron %	8% max	18 - 24%	Nil	1.5% max	5% max
Phosphorus%	01.6%	0.18% max	Nil	Nil	Nil
Moisture	3% max	3% max	3% max	3% max	Nil
Size	10mm to 40mm	10mm to 40mm	10mm to 40mm	Nil	Nil

* For manufacture of ferromanganese phosphorous and sulpher are most deleterious constituents
* For battery industry, the ore should be free from copper, nickel, cobalt, etc.

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RQP /CAL /151 /90 /A.