

DETAILS OF BLOCKS OF MANGANESE ORE

Vizianagaram district:

BLOCK	AREA	DIMENSIONS	GRADE (in %)	TOTAL RESOURCES	GEOLOGY
<p>SALUR (18 39 - 18 39 50 83 08 - 83 06 30) (1985-86)</p>	<p>i) Diguva- Medangi ii) Chikkapara 65N/2</p>	<p>Strike Length – 160 m Dip Length - 30 m Width- 5m Strike Length – 120 m Dip Length - 30 m Width- 3.5m</p>	<p>Mn : 11.48-15.94 Fe : 21.65-29.33 SiO₂: 17.08-28.38 P : 0.66-1.11</p>	<p>35,500 tonnes 42,000 tonnes</p>	<p>Ore associated with Quartzites and Calc-gneisses of Khondalite Group Ore minerals- Rhodonite, Braunite, Pyrolusite, Psilomelane, Spessartite, Apatite, Manganooan diopside</p>
<p>BANGARUVA -LASA 18 30 - 83 19</p>	<p>Bangaruvalasa 65N/7</p>	<p>Strike Length – 1258 m Dip Length - 30 m Width- 3 to 10m</p>	<p>Mn : 22.19-25.99 Fe : 16.50-25.80 SiO₂: 23.30 to 25 P : 0.24-0.53</p>	<p>3,00,000 tonnes up to 30 m depth</p>	<p>Mangenes ore occurs interbanded with quartzites and calc-granulite. Pyrolusite, Psilomelane, Cryptomelane, Braunite and Jacobsite</p>

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GARIVIDI BLOCK 18 27- 83 32 (1977-78)	Garividi 65N/11	Strike Length – 2650 m Dip Length - 30 m Width- 3 to 10m	Mn : 20-35 Fe : 4.05-29.51 SiO ₂ : 2.50 to 21.09 P : 0.12-2.26	11,50,000 tonnes between 30 to 60 m	Manganese ore occurs bounded by calc-gneisses and Khondalites. Pyrolusite, Psilomelane, Cryptomelane, Braunite, Jacobsite Manganite and Wad
PERUMALI BLOCK 18 27- 83 34 (1980-81)	Perumali 65 N/11	Strike Length – 1496 m Dip Length - 60 m Width- 5 m	Mn : 20-28.48 Fe : 9.45-19.05 SiO ₂ : 19.72 to 45.15 P : 0.01	9,00,000 tonnes 30 to 60 m depth	Manganese occurs as Bands in quartzite and calc-granulite
GARBHAM BLOCK 18 22- 83 27 (1979-81)	Garbham 65 N/7	Strike Length – 1900 m Dip Length - 100 m and 30 m Width- 10 m - 5 m	Mn : 25 to 30 Fe : 4.80 to 32.73 SiO ₂ : 3.31 to 24.63 P : 0.05 to 1.0	21,48,000	Pyrolusite, Psilomelane, Cryptomelane, Braunite, Jacobsite Manganite and Hausmanite

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AVAGUDEM BLOCK 18 21- 18 23 83 33- 83 34	Avagudem and Aitemvalasa 65 N/11	Strike Length – 790 m Dip Length - 60 m Width- 10 m - 5 m	Mn : 25 to 52 Fe : 8.13 to 24.60 SiO ₂ : 3.72 to 16.61 P : 0.02 to 0.44	2,79,000 tonnes upto 30 m depth and 4,42,000 tonnes from 30 to 60 m.	Ore associated with calc-gneiss and quartzite. Rhodonite, Braunite, Pyrosulite and Psilomelane
CHIPURUPALLI BLOCK 10 17- 83 33 18 16- 83 36 18 16 -83 37 18 15- 83 38	Sivaram Lakshmipura m, Porapi and Peddanadi 65 N/11 and 65 N/12	Ore zone with considerable dimensions are not encountered	Mn : 22 to 25 Fe : 25 to 30 SiO ₂ : 20- 25 P : 0.2 to 0.4	Marginal- few thousand tonnes	Ore associated with calc-gneiss . Braunite, Rhodonite, Spessartite, Jacobsite, Pyrolusite and Psilomelane,