# GEOLOGICAL AND MINERAL MAP OF KARNATAKA AND GOA

Scale 1: 2,000,000

Kilometres 100 80 60 40 20 0 100 Kilometres

Projection : Lambert conical orthomorphic

## LEGEND

| | | | |
|---|---|---|---|
| Q | Coastal sediments and alluvium | | Quaternary |
| Czl | Laterite with bauxite | | Cainozoic |
| $\beta K_3Pg_2d$ | Basalt with intertrappeans | Deccan Trap | Cretaceous to Palaeogene |
| $\gamma Pt_3ch$ | Potash rich granite | Chamundi Granite | Neoproterozoic |
| $Pt_3b$ | Limestone - shale sequences with basal sandstone | Bhima Group | Neoproterozoic |
| $Pt_{23}ka$ | Dolomite, limestone, breccia, shale and sandstone | Kaladgi Supergroup | Mesoproterozoic to Neoproterozoic |
| $\beta Pt_1d$ | Dolerite and gabbro | Basic intrusives | Palaeoproterozoic |
| $\gamma Pt_1c$ | Alkali Granite | Closepet Granite | Palaeoproterozoic |
| $APt_1p_2$ | Potash rich granodiorite & granite | Peninsular Gneiss - II | Archaean to Proterozoic |
| $APt_1dc$ | Volcanic rocks interbedded with sedimentary sequence | Chitradurga Group (Dharwar Supergroup) | Archaean to Proterozoic |
| Abd / Ae | Metasediments with volcanic sequence; Metavolcanics with metasediments | Bababudun Group / Eastern Greenstone (Dharwar Supergroup) | Archaean to Proterozoic |
| $\gamma Apg$ | Granitoid and gneiss | | Archaean |
| $Ap_1$ | Tonalite-trondjhemite-granodiorite | Peninsular Gneiss - I | Archaean |
| Ac | Charnockite gneiss and pyroxene granulites | Charnockite Group | Archaean |
| As | High grade schists with metaultramafites | Sargur Group | Archaean |
| Ag | Grey banded biotite gneiss | Gorur Gneiss | Archaean |

### STRUCTURAL SYMBOLS

Lithocontact ; Inferred lithocontact

L Lineament

F Fault

### MINERAL INDEX

- Antimony
- Asbestos
- Barytes
- Bauxite
- Chromite
- Clay
- Copper ore
- Corundum
- Dolomite
- Feldspar
- Fuchsite quartzite
- Fuller's earth
- Garnet
- Gemstone
- Gold
- Graphite
- Gypsum
- Haematite
- Kyanite & Sillimanite
- Lead ore
- Lithium
- Limestone
- Magnesite
- Manganese ore
- Molybdenite
- Magnetite
- Nickel
- Ochre
- Ornamental stone
- Platinoids
- Sillimanite
- Steatite
- Quartz and silica sand
- Tungsten ore
- Titani-vanidiferous magnetite
- Vermiculite
- Uranium & rare earths
- Zinc

Geographical details based upon Survey of India map with the permission of Surveyor General of India.

The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.

National highways, major roads and railway trunk routes only are shown.

MAHARASHTRA
ANDHRA PRADESH
TAMIL NADU
KERALA
ARABIAN SEA
BIDAR
GULBARGA
BIJAPUR
RAICHUR
BELGAUM
DHARWAD
PANAJI
BELLARY
CHITRADURGA
SHIMOGA
CHIKMAGALUR
HASSAN
TUMKUR
KOLAR
BANGALORE
MANDYA
MYSORE
MADIKERI
MANGALORE
BHIMA R.
KRISHNA R.
TUNGABHADRA R.
CAUVERY R.
MANJIRA R.