

GOVERNMENT OF INDIA
MINISTRY OF MINES
LOK SABHA
UNSTARRED QUESTION NO.2626
ANSWERED ON 07.08.2024

MINERAL EXPLORATION IN ANDHRA PRADESH

2626. SHRI BALASHOWRY VALLABHANENI:

Will the Minister of MINES be pleased to state:

(a) whether it is true that Geological Survey of India (GSI) has conducted mineral exploration in Guntur, Vizianagaram, Anantapur, Chittoor, Kadapa, Srikakulam and Nellore during the last three years and found various minerals such as Manganese, Tungsten, Baryte, Lead, Zinc, Gold, etc.;

(b) if so, the details thereof; and

(c) the details regarding the status of extracting those minerals?

ANSWER

THE MINISTER OF COAL AND MINES
(SHRI G. KISHAN REDDY)

(a) & (b): Geological Survey of India (GSI) has taken up 62 nos. of mineral exploration projects in Guntur, Vizianagaram, Anantapur, Chittoor, Kadapa, Srikakulam and Nellore during last three years and current year for mineral commodities such as Manganese, Tungsten, Baryte, Lead, Zinc, Gold, Phosphorite etc. The details are as at Annexure-I.

Since the amendment to the MMDR Act, 2015, GSI has established resource for mineral commodities such as Graphite, Manganese, Diamond, Lead, Zinc, Cadmium, Silver, Cobalt, Copper, Tungsten and Limestone in different parts of Andhra Pradesh including the above said districts and the details are given in Annexure-II.

(c) : As regards the status of extraction of minerals, there are a total of 376 mines of major minerals in the State of Andhra Pradesh. The mineral-wise details of these mines are as follows:

| Mineral | Non-Working | Working | Grand Total |
|----------------------|--------------------|----------------|--------------------|
| Garnet | 4 | | 4 |
| Gold | | 1 | 1 |
| Iron Ore | 41 | 13 | 54 |
| LIME SHELL | 3 | | 3 |
| Limestone | 149 | 70 | 219 |
| Manganese Ore | 18 | 16 | 34 |
| MOULDING SAND | 2 | | 2 |
| SEMI PRECIOUS STONES | 13 | | 13 |
| Vermiculite | 40 | 6 | 46 |
| Grand Total | 270 | 106 | 376 |

Further, the Major Mineral Production (Quantity & Value) in the State of Andhra Pradesh is as follows:

(Value in Rs'000)

| MINERAL | Unit | 2021-22 | | 2022-23 (P) | | 2023-24 (P) | |
|---------------|-----------------|------------|----------|-------------|----------|-------------|----------|
| | | Production | Value | Production | Value | Production | Value |
| Gold Ore | Tonne | 856 | 0 | 31028 | 0 | 33687 | 0 |
| Gold Primary | Kg | | | 0 | 32 | 5 | 9439 |
| Iron Ore | Thoussand Tonne | 319 | 237857 | 137 | 96468 | 125 | 103070 |
| Limestone | Thousand Tonne | 50278 | 10865618 | 52870 | 12014849 | 60168 | 12967649 |
| Manganese Ore | Tonne | 204002 | 1115138 | 213790 | 1310335 | 281637 | 1686774 |
| Vermiculite | Tonne | 2370 | 1481 | 2303 | 1610 | 1127 | 780 |

(P): Data is Provisional

The details of mineral exploration by GSI in Andhra Pradesh during the last 3 years (field season 2021-22 to 2023-24) and current year 2024-25

| S.No. | Field Season | District | Name of Mineral Block / Area/ Belt | UNFC Stage | Mineral Commodity |
|-------|--------------|-----------------------------|---------------------------------------|------------|-----------------------------------|
| 1. | 2021-22 | Srikakulam and Vizianagaram | Batuva-Kondadadi | G4 | Manganese |
| 2. | | Anantapur | Kanaganapalle - Dharmavaram | G4 | Diamond |
| 3. | | Anantapur | Charupalle-Kalasamudram-Batrepalle | G4 | Molybdenum, Gold |
| 4. | | Kadapa | Pullampet-Vattaluru | G4 | Phosphorite |
| 5. | | Kadapa | Bhagampalle-Kasinagaram | G4 | Gold, Rare Earth Elements (REE) |
| 6. | | Anantapur and Kadapa | Parnapalle-Lopatanutula | G4 | Lithium |
| 7. | | Anantapur | CR Palle-Indukurupalle | G4 | Molybdenum, Gold |
| 8. | | Anantapur | Varaddayakonda-Krisnagiri-Akkampale | G4 | Gold |
| 9. | | Nellore | Chinna Varimadugu-Kanduravaripalle | G4 | Molybdenum, REE, Rare Metals (RM) |
| 10. | | Srikakulam | Palavalasa and Laxmipuram | G3 | Manganese |
| 11. | | Vizianagaram | Gurla-Madhupada | G4 | Manganese, molybdenum |
| 12. | | Anantapur | Obaganapalli-Mushtivarlamanda | G4 | REE, RM |
| 13. | | Nellore and Kadapa | Adurupalli and Dasarapalli | G4 | Basemetal |
| 14. | | Nellore | Masayapeta | G2 | Copper |
| 15. | 2022-23 | YSR Kadapa | Uppaluru | G3 | Cobalt, Nickel, Copper |
| 16. | | Chittoor | Chillamakulapalle - Narsimharajupuram | G4 | REE, RM |
| 17. | | Anantapur | Pamidi-Singanamala | G4 | Diamond |
| 18. | | Nellore | Jangalapalle | G3 | Basemetal |
| 19. | | Kadapa | Khajipeta-Nandyalampeta | G4 | Phosphorite |
| 20. | | Kadapa | Chennur | G4 | Phosphorite |
| 21. | | Vizianagaram | Ginnam and Lingalavalasa | G4 | Manganese, Cobalt |
| 22. | | Vizianagaram | Gumpamkonda | G2 | Manganese, Cobalt |
| 23. | | Vizianagaram | Parasam-Garudabilli | G4 | Graphite, Manganese |
| 24. | | Anantapur | Balepalyam | G3 | Tungsten |
| 25. | | YSR Kadapa | Jaukulapalle | G2 | Basemetal |
| 26. | | Nellore | Kondakuru-Kondagunta-Golapalle | G4 | Basemetal |
| 27. | | Srikakulam | Garraju-Cheepurupalli | G2 | Manganese, Cobalt |
| 28. | | Vizianagaram | Gadabavalasa and Mandiravalasa | G3 | Manganese, Cobalt |
| 29. | | Nellore | Anantapuram-Kesavaram | G4 | Gold, Silver, Basemetal |

| | | | | | | |
|-----|-------------------------------------|--|---|------------------------|--------------------------|----------------|
| 30. | | Vizianagaram | Garividi | G4 | REE, Manganese | |
| 31. | | Nellore | Ayyagaripalem-Palicherlapadu | G4 | REE, RM | |
| 32. | | Tumkur and Anantapur | Southern extension of the Wajrakarur Kimberlite field | G4 | Diamond | |
| 33. | | Nellore | Masayapeta | G2 | Basemetal | |
| 34. | 2023-24 | Vizianagaram | Gadabavalasa | G2 | Manganese | |
| 35. | | Vizianagaram | Palavalasa | G2 | Manganese | |
| 36. | | Chittoor | Rajagollapalli | G3 | Gold | |
| 37. | | Vizianagaram | Manapuram and Marrivalasa | G4 | Manganese | |
| 38. | | Vizianagaram, Anakapalli and Visakhapatnam | Kantakapalle and Sunkarapalem | G4 | Manganese | |
| 39. | | Srikakulam | Madduvalasa-Ungarada | G4 | Manganese | |
| 40. | | Anantapur | Kambaduru-Aiparsipalli | G4 | REE, RM | |
| 41. | | Anantapur | Venkatampalli-Mutssukota | G4 | Baryte, Lithium | |
| 42. | | YSR Kadapa | Rajupalem-Tummaluru | G4 | Baryte, Lithium | |
| 43. | | Kadapa | Idugupalle | G4 | Baryte, Lithium | |
| 44. | | Chittoor and Annamayya | Sorakayalapeta-Tummanaguntapalle | G4 | REE | |
| 45. | | Nellore | Podilikonda and Kanigiri | G4 | REE, RM | |
| 46. | | Bellary and Ananthapur | Chellakuriki | G4 | Gold | |
| 47. | | Guntur | Bellamkonda and Sattenapalli | G4 | Diamond | |
| 48. | | Tumkur and Anantapur | Puravara- Byalya-Holvanahalli | G4 | Diamond | |
| 49. | | Tumkur and Anantapur | Madhugiri – Kesturu | G4 | Diamond | |
| 50. | | 2024-25 | YSR (Kadapa) | Jaukulapalle | G2 | Lead, Zinc |
| 51. | | | Kurnool | Chetlamallapuram North | G2 | Copper |
| 52. | | | Kadapa | Appanapalle | G3 | Limestone |
| 53. | | | Vizianagaram | Badangi-Uttaravilli | G4 | Manganese, REE |
| 54. | Srikakulam | | Etcherla- Ponduru | G4 | Manganese, Vanadium, REE | |
| 55. | Anantpur | | Venkatampalli | G4 | Gold | |
| 56. | Vizianagaram and Alluri Sitaramraju | | Korlam-Budatanapalli | G4 | Graphite, Manganese | |
| 57. | Vizianagaram and Srikakulam | | Devaravalasa-Niddam | G4 | Manganese, REE | |
| 58. | Y.S.R Kadapa | | Murrichintala-Venkatapuram | G4 | Lithium | |
| 59. | Vizianagaram and Parvathipuram | | Tudi-Rayavalasa | G4 | Manganese | |
| 60. | Nellore | | Kottapalem-Chamadala | G4 | REE | |
| 61. | Anantapur | | Chandrapalli-Peddapaya | G4 | Barite | |
| 62. | Vijayanagaram & Visakhapatnam | | Chelluru-Savaravilli | G4 | REE | |

Details of mineral resources augmented by GSI since amendment of MMDR Act 2015 in Andhra Pradesh (at various cut-offs and grades)

| Sl. No. | District | Field season | Commodity | Block | UNF C Stage | Resource (in Million Tonne {MT}) | Grade |
|---------|---------------|--------------|-------------------|---|-------------|---|---|
| 1 | East Godavari | 2016-17 | Graphite | Chinnagalikonda | G3 | 0.43881 MT | at 10% FC |
| 2 | Guntur | 2016-17 | Limestone | Tadutla Block | G2 | 29.73 MT | 42 % CaO |
| 3 | Kurnool | 2016-17 | Limestone | CAK Block | G2 | 130.64 MT | >42 % CaO |
| 4 | Vizianagara | 2017-18 | Manganese | Devada block | G2 | 1.3 MT (southern part) 5.22 MT (northern part) | 18.84% avgMn. 17.16% avgMn. |
| 5 | Vizianagara | 2019-20 | Manganese (Mn) | Solipikonda-Gumpamkonda (Solipikonda) | G3 | Manganese ore: 0.06MT | 18.70% Mn |
| 6 | Anantapur | 2019-20 | Diamond | Penna Ahobilam Kimberlite (P-17), Wajrakarur Kimberlite Field (WKF) | G3 | Diamond: 3560 carat | 0.91 cpht |
| 7 | Vizianagara | 2020-21 | manganese | Jaggarajupeta | G3 | 0.10 MT (Eastern Sector in 332) 0.19MT (Western Sector in 333) | 12.68% Mn 11.94% Mn |
| 8 | Srikakulam | 2022-23 | manganese | Garraju-Cheepurupalli | G2 | CS Method - 2.02 MT LVS method - 2.09 MT | 13.79% Mn 13.92 % Mn |
| 9 | Vizianagara | 2022-23 | Manganese, Cobalt | Gumpamkonda | G2 | Manganese: CS Method - 1.16 MT LVS method - 1.40 MT Cobalt: CS method - 0.51 MT LVS method - 0.63 MT | 13.28 % Mn 13.31% Mn 360 ppm Cobalt 360 ppm Cobalt |
| 10 | East Godavari | 2021-22 | Graphite | Burugubanda | G2 | CS method - 0.80 MT LV section method - 0.71 MT | 9.78%; 9.78% |

| | | | | | | | |
|----|--------------|-------------------|------------------------------|--------------|----|--|---|
| 11 | YSR Kadapa | 2022-23 | Lead, Zinc, Cadmium & silver | Jaukulapalle | G2 | Lead + Zinc: By Cross section method - 0.99 MT 0.70 MT By LV section method – 1.22 MT 0.93 MT Cadmium: By cross section method - 0.42 MT Silver: By cross section method - 0.69 MT | 7.57% 9.37% 8.04% 9.52% 162.58 ppm 11.23 ppm |
| 12 | Nellore | 2021-22 & 2022-23 | Copper (Cu) | Masayapeta | G2 | Cu: By cross section method - 1.54 MT By LV section method - 1.65 MT | 0.43% Cu 0.43% Cu |
| 13 | Nellore | 2022-23 | Copper | Jangalapalle | G3 | Cu: By cross section method - 0.193 MT By LV section method - 0.247 MT | 0.24% of 0.24% |
| 14 | Anantapur | 2022-23 | Tungsten | Balepalyam | G3 | cross section method – 0.079 MT By LVS method – 0.0778 MT | 0.09 % 0.09 % |
| 15 | Vizianagaram | 2021-22 | Manganese, Cobalt | Laxmipuram | G3 | Manganese: By cross-section method -0.18 MT By L-V section method- 0.16 MT Cobalt: By cross section method- 0.03 MT By L-V section method - 0.02 MT | 16.05% 16.01% 598.93 ppm 588.25 ppm |