

Removal of companies from the blacklist

2108. SHRI DIGVIJAYA SINGH: Will the Minister of CORPORATE AFFAIRS be pleased to state:

- (a) the details of companies which have been blacklisted by the UPA Government during 2004 to 2014;
- (b) the number of companies have been removed from the blacklist, out of the aforementioned companies; and
- (c) whether the Defence Ministry has issued any supply orders to any of these blacklisted companies?

THE MINISTER OF CORPORATE AFFAIRS (SHRI ARUN JAITLEY): (a) to (c) There is no provision in the Companies Act, 2013 for blacklisting of Companies.

Inputs have been received from Ministry of Defence regarding twelve companies with which business dealings have been suspended.

The Ministry of Defence has stated that none of these companies has been removed from the list of barred companies and no contracts for capital procurement have been signed with the firms debarred from further business dealing by Ministry of Defence after the issue of the debarment orders.

Shortage of funds with DRDO

2109. DR. T.N. SEEMA: Will the Minister of DEFENCE be pleased to state:

- (a) the details of the laboratories / units of Defence Research and Development Organisation (DRDO) along with their area of research, location-wise;
- (b) the details of the allocation of fund for the purpose of research work in DRDO;
- (c) whether the DRDO is facing shortage of funds over the past few years;
- (d) if so, the details thereof along with the reasons therefor;
- (e) whether Government during the last year has taken steps to provide requisite funds and co-operation to DRDO for manufacturing arms and ammunition with indigenous technology and implementing export-oriented projects; and
- (f) if so, the details thereof?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR): (a) The details of the laboratories/units functioning under Defence Research and Development Organisation (DRDO) alongwith their locations and areas of research are given in Statement (*See below*).

(b) to (f) Department of Defence R&D has been allocated funds as under:

(i) Financial Year 2014-15 ₹ 13447.19 crore

(ii) Financial Year 2015-16 ₹ 14358.49 crore

With effect from Financial Year 2014-15, adequate funds are being made available by the Government, though earlier DRDO had faced shortage of funds. Provisions have been made in Defence Procurement Procedure, 2013 to encourage indigenous defence products.

Statement

DRDO Laboratories/Units

| Sl. No. | State | Names of Laboratories/Units & their locations | Areas of research work |
|---------|----------------|--|-----------------------------|
| 1. | Andhra Pradesh | Centre for Advanced Systems (CAS), Hyderabad | Advanced Systems |
| 2. | Andhra Pradesh | Research Centre Imarat (RCI), Hyderabad | Missile & Strategic Systems |
| 3. | Andhra Pradesh | Defence Research & Development Laboratory (DRDL), Hyderabad | Missile & Strategic Systems |
| 4. | Andhra Pradesh | Advanced Systems Laboratory (ASL), Hyderabad | Missile & Strategic Systems |
| 5. | Andhra Pradesh | Advanced Numerical Research & Analysis Group (ANURAG), Hyderabad | Computational System |
| 6. | Andhra Pradesh | Centre for High Energy Systems and Sciences (CHESS), Hyderabad | High Energy Weapons |
| 7. | Andhra Pradesh | Defence Electronics Research Laboratory (DLRL), Hyderabad | Electronic Warfare |
| 8. | Andhra Pradesh | Defence Metallurgical Research Laboratory (DMRL), Hyderabad | Metallurgy |
| 9. | Andhra Pradesh | Naval Science & Technological Laboratory (NSTL), Visakhapatnam | Underwater Weapons |

| Sl. No. | State | Names of Laboratories/Units & their locations | Areas of research work |
|---------|--------------|--|--|
| 10. | Assam | Defence Research Laboratory (DRL), Tezpur | Health & hygiene |
| 11. | Chandigarh | Snow and Avalanche Study Establishment (SASE), Chandigarh | Snow and Avalanche |
| 12. | Chandigarh | Terminal Ballistics Research Laboratory (TBRL), Chandigarh | Ballistics |
| 13. | Chhattisgarh | SF Complex (SFC), Jagdalpur | Propellant |
| 14. | Delhi | Centre for Fire, Explosives and Environment Safety (CFEES), Delhi | Fire Explosives & Environmental Safety |
| 15. | Delhi | Laser Science & Technology Centre (LASTEC), Delhi | Laser Technology |
| 16. | Delhi | Institute of Nuclear Medicines & Allied Sciences (INMAS), Delhi | Nuclear Medicine |
| 17. | Delhi | Institute for Systems Studies & Analyses (ISSA), Delhi | Systems Analysis |
| 18. | Delhi | Joint Cypher Bureau (JCB), Delhi | Cypher Systems |
| 19. | Delhi | Defence Terrain Research Laboratory (DTRL), Delhi | Terrain research |
| 20. | Delhi | Defence Institute of Physiology & Allied Sciences (DIPAS), Delhi | Physiology |
| 21. | Delhi | Defence Institute of Psychological Research (DIPR), Delhi | Psychological Research |
| 22. | Delhi | Defence Scientific Information & Documentation Centre (DESIDOC), Delhi | Information Science |
| 23. | Delhi | Solid State Physics Laboratory (SSPL), Delhi | Solid- State/Semiconductor Materials |
| 24. | Delhi | Scientific Analysis Group (SAG), Delhi | Cryptology |

| Sl. No. | State | Names of Laboratories/Units & their locations | Areas of research work |
|---------|-----------------|---|------------------------------------|
| 25. | Delhi | Recruitment and Assessment Centre (RAC), Delhi | Human Resource Development |
| 26. | Delhi | Centre for Personnel Talent Management (CEPTAM), Delhi | Personnel Management |
| 27. | Jammu & Kashmir | Defence Institute of High Altitude Research (DIHAR), Leh | High Altitude Agro-animal Research |
| 28. | Karnataka | Centre for Artificial Intelligence & Robotics (CAIR), Bengaluru | Artificial Intelligence & Robotics |
| 29. | Karnataka | Aeronautical Development Establishment (ADE), Bengaluru | Aeronautics |
| 30. | Karnataka | Centre for Air Borne System (CABS), Bengaluru | Air-Borne Systems |
| 31. | Karnataka | Centre for Military Air-worthiness & Certification (CEMILAC), Bengaluru | Airworthiness & Certification |
| 32. | Karnataka | Defence Avionics Research Establishment (DARE), Bengaluru | Avionics |
| 33. | Karnataka | Gas Turbine Research Establishment (GTRE), Bengaluru | Gas Turbine |
| 34. | Karnataka | Electronics & Radar Development Establishment (LRDE), Bengaluru | Radars |
| 35. | Karnataka | Microwave Tube Research & Development Centre (MTRDC), Bengaluru | Microwave Tubes |
| 36. | Karnataka | Defence Bio-engineering & Electro-medical Laboratory (DEBEL), Bengaluru | Bio-engineering |
| 37. | Karnataka | Defence Food Research Laboratory (DFRL), Mysore | Food Research |
| 38. | Kerala | Naval Physical & Oceanographic Laboratory (NPOL), Kochi | Naval Systems |

| Sl. No. | State | Names of Laboratories/Units & their locations | Areas of research work |
|---------|----------------|---|--|
| 39. | Madhya Pradesh | Defence Research & Development Establishment (DRDE), Gwalior | Chemical & Biological Warfare |
| 40. | Maharashtra | Advanced Centre for Energetic Materials (ACEM), Nasik | High Energy Materials |
| 41. | Maharashtra | Armaments Research & Development Establishment (ARDE), Pune | Armaments |
| 42. | Maharashtra | Research & Development Establishment (Engrs) (R&DE[E]), Pune | Engineering Systems & Weapon Platforms |
| 43. | Maharashtra | High Energy Materials Research Laboratory (HEMRL), Pune | High Energy Materials |
| 44. | Maharashtra | Military Institute of Training (MILIT), Pune | Military Training |
| 45. | Maharashtra | Mobile Systems Complex (MSC), Pune | Missiles Systems |
| 46. | Maharashtra | Vehicles Research & Development Establishment (VRDE), Ahmednagar | Wheeled Vehicles |
| 47. | Maharashtra | Naval Materials Research Laboratory (NMRL), Ambernath | Corrosion Preventive Technology |
| 48. | Odisha | Integrated Test Range (ITR), Balasore | Missiles & Strategic Systems |
| 49. | Odisha | Proof and Experimental Establishment (PXE), Balasore | Armament Testing |
| 50. | Rajasthan | Defence Laboratory (DL), Jodhpur | Camouflaging and Isotopes |
| 51. | Tamil Nadu | Combat Vehicles Research & Development Establishment (CVRDE), Chennai | Combat Vehicles |
| 52. | Tamil Nadu | DRDO Research & Innovations Centre (RIC), Chennai | Basic Science |
| 53. | Uttar Pradesh | Aerial Delivery Research & Development Establishment (ADRDE), Agra | Parachute & Aerial Systems |

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|---------|---------------|--|-------------------------------------|
| 54. | Uttar Pradesh | Defence Materials & Stores Research & Development Establishment (DMSRDE), Kanpur | Textiles, Polymers & Composites |
| 55. | Uttarakhand | Defence Electronics Applications Laboratory (DEAL), Dehradun | Electronics & Communication Systems |
| 56. | Uttarakhand | Instruments Research & Development Establishment (IRDE), Dehradun | Electronics & Optical Systems |
| 57. | Uttarakhand | Institute of Technology Management (ITM), Mussoorie | Technology Management |
| 58. | Uttarakhand | Defence Institute of Bio-Energy Research (DIBER), Haldwani | Bio-Energy |
| 59. | West Bengal | Centre for Millimeter Wave Semiconductor Devices and Systems (CMSDS), Kolkata | Semiconductors |
| 60. | West Bengal | DRDO Integration Centre (DIC), Panagarh | System Integration |

Agreements for purchase of defence equipments

2110. SHRI ANAND SHARMA: Will the Minister of DEFENCE be pleased to state:

(a) whether Government has entered into agreements for the purchase of defence systems and equipments with strategic partner countries including US, Russia and EU; and

(b) if so, the details thereof?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR): (a) and (b) During the current financial year, contracts have been signed with foreign vendors including those from US, Russia, Israel, Germany and France for capital procurement of various types of equipment such as missiles, rockets and simulators.

Defence expenditure

2111. SHRI VISHAMBHAR PRASAD NISHAD: Will the Minister of DEFENCE be pleased to state:

(a) whether it is a fact that Government spends about 20 per cent of its budget to repay the interest on loan taken while it spends only 10 per cent on the defence budget despite knowing that our neighbour China is spending ten times more than our defence budget;