



*Defence Capabilities and
Expansion Plans*



Group Highlights

- Largest manufacturer and Exporter of Industrial Explosives.
- 17 Plants in India | 4 Overseas
- Sales Turnover Rs.1650 Crores
- Listed with BSE & NSE.
Market Cap about Rs.6000 Cr.
- Certified for ISO 9001, ISO 14001, OHSAS 18000
- NABL accredited Lab.
R & D facilities recognised by DSIR
- Represents ASIA in SAFEX



Exporting to over **42** countries

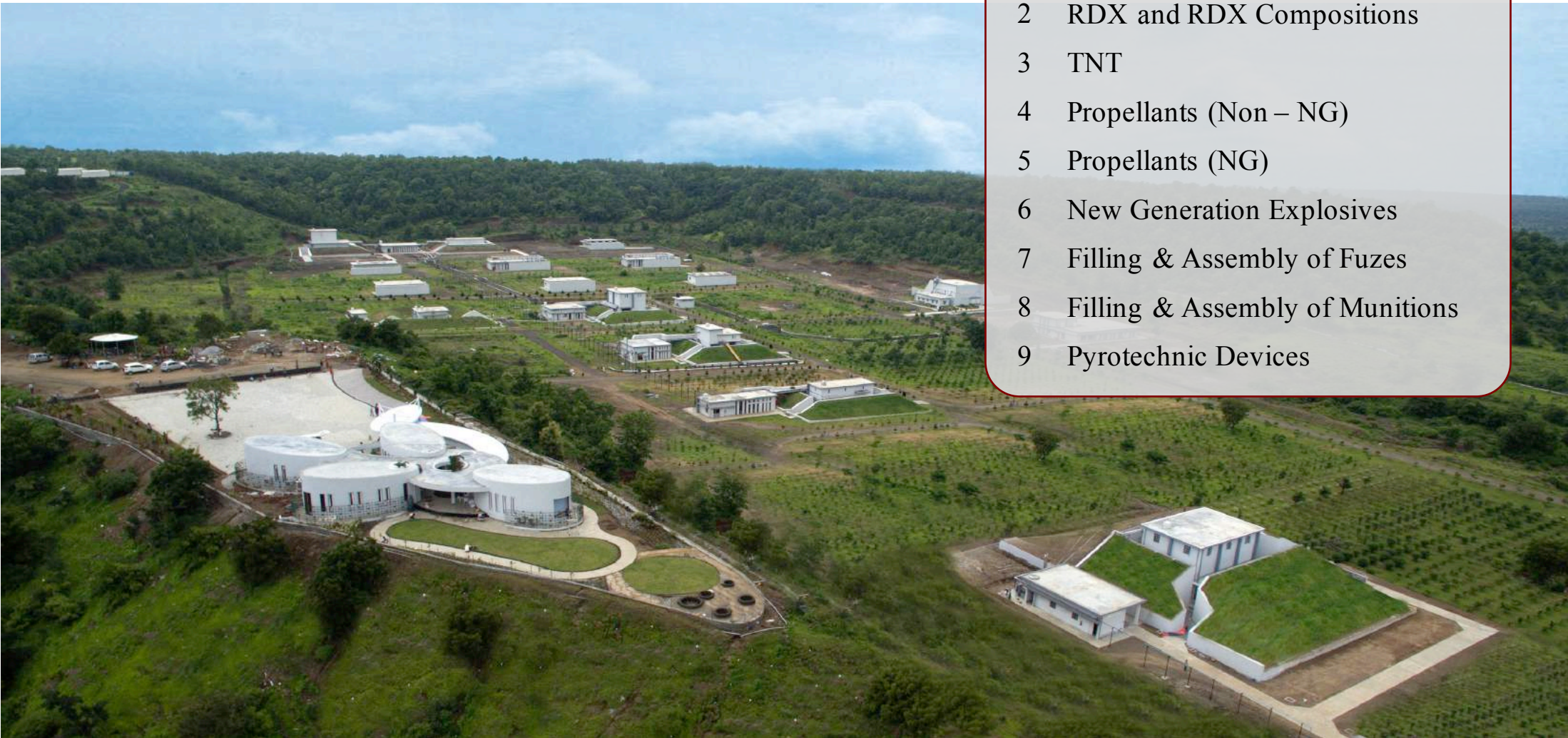
Industrial Explosives Licenses

- 1 Bulk Explosives
- 2 Slurry & Emulsion Explosives
- 3 Detonators, Detonating Cords
- 4 PETN
- 5 Cast Booster



Defence License

- 1 HMX and HMX Compositions
- 2 RDX and RDX Compositions
- 3 TNT
- 4 Propellants (Non – NG)
- 5 Propellants (NG)
- 6 New Generation Explosives
- 7 Filling & Assembly of Fuzes
- 8 Filling & Assembly of Munitions
- 9 Pyrotechnic Devices



High Energy Materials Complex

- **State of art & one of the world's largest plant of HMX / RDX**
- **HMX & HMX Compositions like OMA, OKFOL, OCTOL as 100 % Import substitutes**



HMX & HMX Compositions – Usage

- **OCTOL** – AKASH, BRAHMOS, MILAN, LR/MR/SR SAM, 84 MM HEAT AMMN.
- **OMA & OKFOL** – INVAR (T-90 ATGM), KONKURS (BMP-2 ATGM)
- **HMX** – GLIDER / AIR BOMBS, LR SAM, AKASH, IM's, PLASTIC EXPLOSIVES



Defence : R & D Center



- NABL Accredited Lab.
- Strand Burner, UTM, HPLC, FTIR, DSC, Bomb Calorimeter and PSA



Melt & Cast Facility

Usages :

Warheads : AKASH, PINAKA, 122 mm,
Air Bombs,
Glider Bombs,
Torpedoes,
New Family of Mines.



Rocket Assembly Plant



Composite Propellant Plant

- PINAKA Propellant MK I (Grains)
- PINAKA Propellant MK II (Case Bonded)
- AKASH Booster
- 122 mm ER Rocket Propellant (Case Bonded)
- ASTRA Propellant
- LR /MR/SR SAM Propellant



X-RAY – 6 MeV X-Ray with Manipulator



Static Test Bed for testing of Propulsion System - 20 MT Capacity



Our Upcoming Facilities

- Bi Modular Charge System (BMCS)
- 122 mm Extended Range Rocket
- New Family of Mines
- Air Bombs & Glide Bombs
- Explosive Reactive Armour
- Thermobaric Ammunition
- Tank Ammunition for 120/125 mm





Thank You!



Solar Industries India Limited | Economic Explosives Limited

