INS Agray, INS Dunagiri and INS Sanshodhak

Prelims: *Current events of national and international importance | Defence*

Why in News?

Recently, the Prime Minister addressed the Tri-Commissioning Ceremony of INS Agray, INS Dunagiri, and INS Sanshodhak in Kolkata, marking a major boost to India's indigenous naval capability.

Features	INS Sanshodhak	INS Agray	INS Dunagiri
Purpose	• The Mapper	• The Hunter	• The Protector
Role	• Creates accurate seabed maps and collects ocean data	• Detects, tracks and engages enemy submarines in coastal waters.	• Provides long-range protection and striking capability
Class and project	• Sandhayak-class (Survey Vessel -Large)	• Arnala-class (Project 28 SW) Anti-Submarine Shallow Water Craft	• Nilgiri-class (Project 17A)
Vessel Type	• Hydrographic Survey Vessel	• Anti-Submarine Warfare Craft	• Stealth Guided-Missile Frigate
Primary Builder	• Garden Reach Shipbuilder and Engineers (GRSE), Kolkata	• GRSE, Kolkata	• (GRSE), Kolkata
Displacement	• 3300 – 3400 tonnes	• 900 tonnes	• 6,670 tonnes
Propulsion	• Twin Diesel Engines	• Water-jet propulsion	• CODOG (Combined Diesel or Gas)

Capabilities	• Hydrographic surveys and seabed mapping • Oceanographic data collection Equipped with SONAR, Autonomous Underwater Vehicle (AUV) and survey systems	• Anti-submarine warfare operations • Advanced SONAR and underwater sensors • Lightweight torpedoes and depth charges • High manoeuvrability in shallow waters	• Multi-role: Anti-Air, Anti-Surface, Anti-Submarine warfare. • BrahMos supersonic missiles • Advanced radar, Electronic Warfare (EW) suite and helicopters Designed for blue-water operation

References

1. PIB | Tri Commission Ceremony
2. ToI | INS

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