# Defence & Security · GS - III

**India's maritime security requires effective surveillance and defence capabilities in coastal waters. Examine the strategic importance of Anti-Submarine Warfare Shallow Water Craft and the role of indigenous shipbuilding in strengthening India's maritime security. (150 words Marks: 10)**

| EXAM YEAR | PAPER | SUBJECT |
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| MARKS | WORD LIMIT |
|---|---|
| 10 | ~150 words |

## Answer Hint

**ASW shallow-water craft strengthen coastal surveillance, submarine detection and protection of maritime infrastructure. Indigenous shipbuilding enhances defence preparedness, technological capabilities and strategic autonomy.**

## Model Answer

India's maritime security is vital for protecting its coastline, commercial shipping, offshore energy assets and strategic maritime interests. The induction of INS Mangrol, an Anti-Submarine Warfare Shallow Water Craft, highlights the importance of strengthening India's coastal defence capabilities.

These vessels are designed to detect, track and engage hostile submarines in shallow and coastal waters. They can help protect naval bases, ports, offshore installations and important maritime approaches. Their capabilities also contribute to surveillance and anti-submarine operations in strategically significant coastal regions.

Indigenous construction of naval platforms supports the government's objective of achieving self-reliance in defence manufacturing. It strengthens domestic shipyards, develops specialised technologies, generates skilled employment and reduces dependence on foreign suppliers.

However, effective maritime security also requires modern sonar systems, trained personnel, intelligence sharing, coordination among maritime agencies and integration with aircraft and other naval platforms.

Thus, strengthening shallow-water warfare capabilities alongside indigenous defence production is essential for protecting India's maritime interests and enhancing strategic autonomy.

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