

**REQUEST FOR INFORMATION FOR PROCUREMENT OF 06
CONVENTIONAL SUBMARINES UNDER PROJECT 75(I)**

1. INDIAN NAVY IS IN THE PROCESS OF IDENTIFYING A CONTEMPORARY CONVENTIONAL SUBMARINE FOR CONSTRUCTION AS FOLLOWS:-

(A) TWO SUBMARINES AT COLLABORATORS SHIPYARD.

(B) FOUR SUBMARINES AT TWO INDIAN SHIPYARDS.

2. INDIAN NAVY REQUESTS INFORMATION FROM FIRMS WHO HAVE INDEPENDENTLY DESIGNED AND CONSTRUCTED A COMPLETE MODERN CONVENTIONAL SUBMARINE WHICH IS CURRENTLY IN SERVICE / UNDERGOING SEA TRIALS. THE SUBMARINE SHOULD BE CAPABLE OF OPERATING IN OPEN OCEAN AND LITTORAL / SHALLOW WATERS IN DENSE ASW AND EW ENVIRONMENT AND ABLE TO UNDERTAKE FOLLOWING MISSIONS:-

(A) ANTI SURFACE AND ANTI SUBMARINE WARFARE.

(B) SUPPORTING OPERATIONS ASHORE.

(C) ISR MISSIONS.

(D) SPECIAL FORCE AND MINING OPS.

3. PROSPECTIVE COLLABORATORS ARE REQUESTED TO FORWARD DATA REGARDING THE FOLLOWING CAPABILITIES OF THE PROPOSED DESIGN:-

(A) MAXIMUM DIVING DEPTH WITHOUT LIMITATION ON NUMBER OF DIVES.

(B) MAXIMUM OPERATING RANGE (DIVED-SNORT-SURFACE) AND MISSION ENDURANCE.

(C) AIR INDEPENDENT PROPULSION SYSTEM BEING OFFERED.

(D) SURFACE DISPLACEMENT AND RESERVE BUOYANCY.

(E) INDISCRETION RATE.

(F) SEA WATER SPECIFIC GRAVITY OPERATING RANGE.

(G) TORPEDO TUBES WITH CAPABILITY TO LAUNCH LONG RANGE HEAVY WEIGHT WIRE GUIDED TORPEDOES, MISSILES AND METHOD FOR WEAPON DISCHARGE.

(H) EXTERNALLY LAUNCHED TORPEDO DECOY SYSTEM.

(J) INTEGRATED COMBAT SYSTEM (DETAILS OF PROSPECTIVE SUPPLIERS TO BE PROVIDED).

(K) CONTEMPORARY LOW NOISE PROPULSION AND POWER GENERATION SYSTEM.

(L) AUXILIARY MOTORS WITH TAKE HOME CAPABILITY.

(M) CONTEMPORARY IPMS, SMCS, APMS.

(N) AC SYSTEM CUSTOMISED FOR OPERATION IN TROPICAL WATERS CHARACTERISED BY HIGH TEMPERATURE AND HIGH HUMIDITY CONDITIONS.

4. THE FOLLOWING DATA IN RESPECT OF THE PROPOSED SUBMARINE BE PROVIDED ALONG WITH RESPONSE TO RFI:-

(A) RADIATED NOISE LEVELS IN FREQUENCY BAND 30 Hz TO 10000Hz (db // REF μ Pa) AT SPEED OF 5 KNOTS AND 10 KN

(B) NOISE AND VIBRATION DATA FOR MAJOR PROPULSION AND AUXILIARY MACHINERY

(C) MANOEUVRABILITY & STABILITY CHARACTERISTICS

5. THE RESPONSE TO THIS RFI SHOULD ALSO ELABORATE THE FOLLOWING:-

(A) SCOPE AND DEPTH FOR TRANSFER OF TECHNOLOGY (TOT) FOR SUBMARINE DESIGN & CONSTRUCTION AND

PRODUCTION OF KEY SYSTEMS/SUBSYSTEMS AT INDIAN SHIPYARD / BY INDIAN INDUSTRY.

(B) PLAN FOR DISCHARGE OF OFFSET COMMITMENTS AS ENUMERATED IN THE "DEFENCE PROCUREMENT PROCEDURE – 2008" AT WEBSITE WWW.MOD.NIC.IN.

(C) FEASIBILITY AND PROPOSED APPROACH FOR USE OF ITEMS / EQUIPMENTS SOURCED FROM INDIAN INDUSTRY ON THE SUBMARINE.

(D) PLAN FOR TRAINING SHIPYARD PERSONNEL FOR PROJECT IMPLEMENTATION AND INDIAN NAVY PERSONNEL IN ASPECTS OF SUBMARINE DESIGN.

6. IT IS REQUESTED THAT THE RESPONSE TO THIS RFI BE FORWARDED BY 30 SEP 10.