

## **Muhammad Arshad (Pakistan)**

Present Position      Hydrographer Pakistan Navy  
 Date of Birth          08/02/1963  
 Language              English and Urdu

### **Academic Background**

- B.Sc in Naval Sciences
- Pakistan Naval Engineering College for Advance Studies.
- Professional Courses at Naval Training Establishment.
- Masters in Strategic Studies.

### **Ocean Sciences Professional Qualifications**

- Post Graduate Diploma Hydrographic Surveying from Plymouth University — United Kingdom
- Advance Survey Course (Long-H) — United Kingdom
- Physical Oceanography Course — Japan
- Electronic Navigation Chart Production (CARIS) — Netherlands
- Attended international course on UNCLOS Article 76 regarding Extension of Continental Shelf at NOC, Southampton, United Kingdom
- Course on Maritime Boundary Delimitation under IBRU at Singapore

### **Appointments and Distinguished Posts**

2009-to date:      Commodore Hydrographer Pakistan Navy and Coordinator NAVAREA IX.  
 2006-2008:        Commanding Officer Survey Vessel  
 2004-2005:        Deputy Hydrographer  
 2003-2004:        Executive Officer and Senior Surveying Officer Survey Vessel

### **Member — National Maritime Forums**

- Member of National Oceanographic Commission
- Member of Central and Zonal Light Houses Advisory Committee
- Member of National Committee of Geodesy and Geophysics
- Member of the Board of Governors of National Institute of Oceanography (NIO)
- Member of the Committee on Earth Observations Programme, SUPARCO

### **Member — Pakistan International Representation**

- Coordinator NAVAREA IX
- International Hydrographic Organization



