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|  | **VOS Report for 2015** | **Country =** | **India** |
|  |
|  | **a.** | **Programme description:** |
| **Category** | **No. of ships at** **31 Dec 2015** | **Recruitments in 2015** | **De-recruitments****In 2015** | **Comments** |
| *Selected* | 5 |  |  |  |
| *Selected AWS* |  |  |  |  |
| *VOSClim* |  |  |  |  |
| *VOSClim AWS* |  |  |  |  |
| *Supplementary* | 33 |  | 12 | Scrapped/Status dead/sold/disposed/flag changed/Owner changed |
| *Supplementary AWS* |  |  |  |  |
| *Auxiliary* | 4/6(Indian/Foreign) |  | 2 | Lost/flag changed |
| *Auxiliary AWS* |  |  |  |  |
| *Other* | 11+5 (Naval & Coast Guard ships) | 5 Coast Guard Ships | 5 | Decommissioned/scrapped/capsized after collision |
| **National VOS Total** | 64 |  |  |  |
|  |  |  |  |  |  |
|  | **National VOS Target** |  |  |  |  |  |
|  | **National VOSClim Target**  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **b.** | **Data management:** |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2015* | **21266** |
|  | *Dates when VOS data submitted to the GCCs in 2015* |  |
|  |  | **Data is utilised in daily Fleet forecast and GMDSS forecast bulletins. Data is also utilised in preparation of actual Sea Weather reports issued on daily basis.** |
|  | c. | **Shipboard Automatic Weather System** |
| **Type** | **No. of ships at 31 Dec 2015** | **Manual Input****Yes / No** | **Method of Comms** | **Year1 Plans** |
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|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** |
| **Software & version** | **No. of ships at**  **31 Dec 2015** | Implementation plans |
| Ship masters are using Turbowin Software 5.0 version with the help of Port Met Offices. | 64 | In vogue |
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| **e.** | **Standard Meteorological Equipment: (Types and Settings)** |
| **Equipment Type / Element** | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer | 365 barometers on ships were compared by six major Port Meteorological Offices at Mumbai, Goa, Kochi, Visakhapatnam, Chennai, Kolkata |  |
| Surface Instruments Division of IMD supplies the barometer to the ships as per their requirement. |  |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *Station Level or Mean Sea Level* |
| Barograph |  |  |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *Station Level or Mean Sea Level* |
| Thermometers |  |  |
|  |  |  |
| Sea Surface Temperature |  |  |
|  |  |  |
| Wind Speed |  |  |
|  |  |  |
| Wind Direction |  |  |
|  |  |  |

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| **f.**  | **PMO ship visit activities: (if a visit is for dual purposes, include all purposes)** |
| **Activity** | **Manual Ship**  | **AWS****Ship** | **Comment** |
| Routine VOS inspections | 39 |  | On board barometer checking was undertaken by officers at six major Port Met Offices at Mumbai, Goa, Visakhapatnam, Kochi, Kolkata, Chennai  |
| VOS recruitment visits |  |  |  |
| VOS de-recruitment visits |  |  |  |
| VOS courtesy or foreign visits |  |  |  |
| *Total visits to VOS* |  39 |  |
| Routine ASAP inspections |  |  |  |
| ASAP recruitment visits |  |  |  |
| ASAP de-recruitment visits |  |  |  |
| ASAP courtesy visits |  |  |  |
| *Total visits to ASAP* |  |  |  |
| Routine SOOP visits |  |  |  |
| SOOP recruitment visits |  |  |  |
| SOOP de-recruitment visits |  |  |  |
| SOOP courtesy visits |  |  |  |
| *Total visits to SOOP* |  |  |  |
| Visits in support of DBCP (drifting buoys) |  |  |  |
| Visits in support of Argo (profiling floats) |  |  |  |
| *Total visits to other programs* |  |  |  |
| **Total visits by national PMOs** |  | *Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)* |
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| **g.** | **Major challenges and difficulties:** |
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| **h.** | **Research / development / testing:** |
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|  |  |
| **i.** | **Other comments** |
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