

Ship Observations Team

National Report for 2012

1. Country	INDIA
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2. Prepared by	Marine Section, Office of Deputy Director General of Meteorology (Weather Forecasting), Pune
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3. **Contributing national marine organizations:**

Insert as applicable – VOS / SOOP / ASAP – Include additional detail where appropriate e.g (data management).

Organization	INDIA METEOROLOGICAL DEPARTMENT
Programmes #	SOT/ VOS/ VOSClim
Website URL	www.imd.gov.in/

4. **List of Port Meteorological Officers (see Appendix 2):**

5. **VOS and VOSClim:**

a. **Programme description: VOS**

Category	No. of ships at 31 Dec 2012	Comments
Selected	10	Nil
Supplementary	108	Nil
Auxiliary	20	Nil
Other (specify)	-	Nil
Total National VOS fleet	138	Nil

Number of VOS vessels recruited in 2012	Nil
Number of VOS vessels de - recruited in 2012	25

Programme description: VOSClim

Number of VOSClim vessels at 31 December 2012	18
Number of VOSClim vessels recruited in 2012	-
Number of VOSClim vessels de - recruited in 2012	4
Number of VOSClim recruitments planned in 2012	Nil
Target number of ships to participate in VOSClim	Nil

b. Automated Observing Systems: Nil

c. Electronic logbooks:

Software & Version	No. of ships at 31 Dec 2012	Comments
TURBOWIN 5.0	40	2000 observations in electronic form are received

d. Data Management:

Total number of BBXX distributed on the GTS in 2012	48368
Frequency of VOS data submitted for the GCC in2012	28356
(Frequency of IVOS data submitted for the GCC in2012)	(1536)

e. Major challenges and difficulties:

Nil

f. Research / development / testing

Nil

g. Other comments:

Nil

h. Major challenges and difficulties:

Nil

i. Research / development / testing:

Nil

j. Other comments:

Nil

Appendix 1: List of National Focal Points for SOT / VOS / SOOP / ASAP

(Name of Country- India)

Focal Point Name	Shri. S. B. Gaonkar, Scientist 'E'
Title	Focal Point
Agency	-
Postal Address	Office of Deputy Director General of Meteorology (Weather Forecasting), India Meteorological Department, Shivajinagar Pune 411005 India
Email	imdmarine@gmail.com sbgaonkar@gmail.com
Telephone	+91 020 25535211 ext. 510
Facsimile	+91 020 25533201

Appendix 2: List of Port Meteorological Officers

Port / Office	Mumbai	Kochi	Chennai
Name	Shri G. Muralidharan	Shri M.Sethumadhavan	Shri A.P.Prakashan
Title	Port Meteorological Officer	Port Meteorological Officer	Port Meteorological Officer
Postal Address	Director, Port Meteorological Office, Regional Meteorological Centre, Near RC Church, Colaba, Mumbai - 400 005	Officer in charge, Port Meteorological Office, Cochin Port Trust, Ex-Mahavir Plantation Building, Opp. IOC Ltd.,Indira Gandhi Road, Willingdon Island, (South) Kochi - 682 003	Director in-charge, Port Meteorological Office Regional Meteorological Centre, Inspectorate Section/PMO Unit, New No.6,(Old No. 50), College Road, Chennai - 600 006
Email	isrmcmumbai@gmail.com	pmokochi@dataone.in	isrmcchennai@gmail.com pmochennai@gmail.com
Telephone	022 22174720/ 022 22151654 Mobile No. c/o Shri G.Muralidharan	0484 2667042 Mobile No. 09446478262 & Shri V.L.Rajendran,S.A. Mobile No. 09495779897	044 28230092/94/91 Ext.No. Inspectorate Section, 230,231,234,332

	09833305617		
Facsimile	022 22154098 022 22160824	NA	044 28271581 (ACWC Chennai)
Comment	Working Hours : 0930 -1800 5 days week	Working Hours : 0900 - 1730	Working Hours : 0930 -1800 5 days week

Port / Office	Goa	Vishakhapatnam	Kolkata
Name	Shri N. Haridasan	Shri E. N. S. Sagar	Shri. Ganesh Kumar Das
Title	Port Meteorological Officer	Port Meteorological Officer	Port Meteorological Officer
Postal Address	Director, Port Meteorological Liaison Office, Goa Observatory, Altinho, Panjim Goa – 403 001	Director I/C, Port Meteorological Office, Cyclone Warning Center, Kirlumpudi, Opposite Andhra University out gate, Vishakhapatnam - 530 017	Director I/C, Regional Meteorological Centre, 4 Duel Avenue, Alipore, Kolkata (West Bengal),PIN 700027
Email	directorimdgoa@gmail.com	cwcvsk@gmail.com	pmokolkata@gmail.com
Telephone	0832 2425547 Mobile No. C/o Shri M. HaridasanA.M.I- 09579634860 Smt. V.V.Damle A.M.II- 08275877586	0891-2543031/32/34/35/36 Mobile No. c/o Shri E. N. S. Sagar, 09885256279,	033 24492559 Mobile No. c/o Shri G.K.Das,09836213781
Facsimile	0832 2420161	0891-2543033 0891-2543036	033 24793167
Comment	Working Hours : 0930 -1800 5 days week	Working Hours : 0930 -1800 5 days week	Working Hours : 0930 -1800 5 days week