



# INDIAN NOTICES TO MARINERS FOR 2009

(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

EDITION No. 06 DATED 16 MAR 2009

(CONTAINS NOTICES 123 TO 134)

REACH US 24 HOURS A DAY



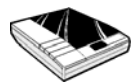
E-mail to

in的角度@dataone.in  
in的角度\_navwarnings@dataone.in  
in的角度\_marinesafety@dataone.in  
in的角度\_helpdesk@dataone.in



Write to

National Hydrographic Office  
107-A, Rajpur Road  
Dehradun – 248 001  
INDIA



Fax to

+91- 135 - 2748373



Contact Person

Joint Director of  
Hydrography (JDOH)  
Maritime Safety Services  
+91- 135 - 2747360-65



visit

www.hydrobharat.nic.in

## CONTENTS

<u>Section No.</u>	<u>Title</u>	<u>Page No.</u>
I.	List of Charts Affected	06
II.	Permanent Notices	07
III.	Temporary and Preliminary Notices	10
IV.	Marine Information	13
V.	Radio Navigational Warnings in force	14
VI.	Corrections to Sailing Directions	19
VII.	Corrections to List of Lights	20
VIII.	Corrections to List of Radio Signals	22
IX.	Reporting of Navigational Dangers.	30

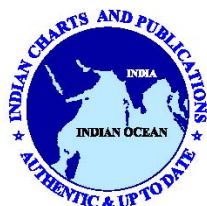
**Mariner's Obligation and A Chart Maker's Plea.** Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the above mentioned address/fax number/ E mail ID immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and short comings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with N to M editions 1, 7, 13 and 19.

**Chief Hydrographer  
to the Government of India**

**National Hydrographic Office  
Post Box No. 75  
Dehradun 248 001  
India**

*Govt. of India Copyright*

No permission is required to make copies of these Notices. However, such copies are not to be commercially sold.



For the Indian Ocean Area  
INSIST ON INDIAN CHARTS AND  
PUBLICATIONS  
(Original, Authentic and Most Up-to-date)

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Where as sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart INT 1 (5020).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. These corrections are not inserted on charts before they are issued to the users. They should be inserted in pencil, by the user, on receipt.

**Source of Information.** A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

**Sailing Directions.** Corrections for the Sailing Directions (Pilots) are given in Section VI.

**Lights.** Corrections to Indian list of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the list of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

**Radio Signals.** The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

**Radio Navigational Warnings.**

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which can not always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

**Laws and Regulations.** While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation
- and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

**Correction of Charts and Publications by the users.** Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified Charts and publications up to date.

**Reliance on Charts and Associated Publications.** While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

**Use of Global Positioning System (WGS 84) positions.**

- (a) The positions of Hydrographic objects shown on most of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Where ever these differences have been ascertained, their average values are published as a cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman & Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

**Source Data on Charts.** All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such Charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

**Further Guidance.** The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

**INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE****(a) NEW INDIAN CHART**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
3035	15-02-2009	<b>GANGAVARAM PORT</b>  <u>Limits</u>  17° 34'.00N; 83° 11'.50E. 17° 39'.25N; 83° 19'.83E.	15,000	5	Rs. 1360.00
3036	28-02-2009	<b>CHEMPLAST SANMAR CUDDALORE TERMINAL</b>  <u>Limits</u>  11° 36'.00N; 79° 45'.00E. 11° 39'.80N; 79° 50'.40E.	15,000	5	Rs. 1360.00

**(b) NEW EDITION INDIAN CHARTS**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
NIL					

**(c) INDIAN CHARTS PERMANENTLY WITHDRAWN**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
NIL				

**(d) FORTHCOMING CHARTS**

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2051	SALAYA HARBOUR	25,000	New Chart
2502	WESTERN APPROACHES TO MAHE ISLAND	37,500	New Chart
354 (INT 7408)	SACRAMENTO SHOAL TO KALINGPATNAM	300 000	New Edition

(e) **NEW INDIAN ELECTRONIC NAVIGATIONAL CHART**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1	<b>IN63035G</b>	3035	<b>GANGAVARAM PORT</b>	15-02-2009
2	<b>IN42018K</b>	2018	<b>APPROACHES TO KANDLA</b>	31-08-2008

(f) **NEW EDITION ELECTRONIC NAVIGATIONAL CHART**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1	<b>IN54010D</b>	4010	<b>DUGONG CREEK</b>	31-12-2008
2	<b>IN54010H</b>	4010	<b>HUT BAY</b>	31-12-2008
3	<b>IN62013O</b>	2013	<b>PORT OF OKHA</b>	31-12-2008

(g) **ENCs PERMANENTLY WITHDRAWN**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
2	<b>IN52018K</b>	2018	<b>APPROACHES TO KANDLA</b>	31-12-2002
1	<b>IN54010D</b>	4010	<b>DUGONG CREEK</b>	30-09-2001
2	<b>IN54010H</b>	4010	<b>HUT BAY</b>	30-09-2001
3	<b>IN62013O</b>	2013	<b>PORT OF OKHA</b>	30-11-2002

**AVAILABILITY OF ENCs:**

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENCs through the world wide net work of their agents and distributors. Details of UKHO agents / distributors may be obtained from UKHO web site [www.ukho.gov.uk](http://www.ukho.gov.uk) Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248 001 Tele: +91 135 2747365 Fax: +91 135 2748373 Email: <a href="mailto:incho@dataone.in">incho@dataone.in</a> Website: <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a>	Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> Website: <a href="http://www.c-map.co.in">www.c-map.co.in</a>	United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: <a href="mailto:helpdesk@ukho.gov.uk">helpdesk@ukho.gov.uk</a> Web site: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>
--	--	--

**SECTION – I****List of charts affected by****The Notices 123 to 134 contained in this Edition**

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	132(T)
22(INT 752)	3	130(T)
23	4	130(T)
31	5	131(T),134(T)
32(INT 754)	5	131(T) 134(T)
33	5	131(T)132(T)
41	6	131(T)
203(INT 7319)	2	133(T)
205	2	125
206	2	125
255(INT 7334)	3	126
268(INT 7353)	4	130(T)
271	2	132(T)
272	4	130(T)
273	4	130(T)
292(INT 7021)	2	130(T)132(T)
293(INT 7022)	3	130(T)
354(INT 7408)	5	134(T)
356(INT 7400)	5	129,131(T)
357(INT 7397)	5	123
391	5	131(T)
407	6	131(T)
472(INT 7032)	6	131(T)
473(INT 7031)	6	131(T)
2026	2	126
2033	2	124
2047	4	127
2054	2	125
2063	4	128
2068	2	133(T)
2080	2	124
2083	2	124
3002	5	123
7071(INT 71)	1	130(T)
7072(INT 72)	1	130(T)
7073(INT 73)	1	130(T)
7705(INT 705)	1	130(T)

**SECTION – II: PERMANENT NOTICES**  
**INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS**

<b>*123(06/09)</b>		<b>Miscellaneous updates to charts</b>	
Source: NHO Dehradun			
<b>Chart No.</b>	<b>Previous Updates</b>	<b>Details</b>	
<b>Chart 3002(INT 7410)</b>	600/08	Insert magenta limit and <b>Chart 3035</b> , at the following Geographical co-ordinates:	
		LL_LAT: 17° 34′.00N.	LL_LONG: 83° 11′.50E.
		UR_LAT: 17° 39′.25N.	UR_LONG: 83° 19′.83E.
<b>Chart 357(INT 7397)</b>	444/08	Insert magenta limit and <b>Chart 3036</b> , at the following Geographical co-ordinates:	
		LL_LAT: 11° 36′.00N.	LL_LONG: 79° 45′.00E.
		UR_LAT: 11° 39′.80N.	UR_LONG: 79° 50′.40E.

**\*124/(06/09) INDIA – WEST COAST – Gulf of Kachchh – Approaches to Sikka – Submarine Pipeline. SPM Working Area. Legend.**



Source: Reliance Industries Ltd.

(HJ/1131/20)

**Chart 2080** [previous update 089/09]


Delete Pecked Line, - - - - - , joining; 22° 32′.46N., 69° 46′.11E.  
22° 34′.60N., 69° 50′.20E.  
legend , ‘SPM Working Area’ centered on; 22° 35′.20N., 69° 51′.00E.  
22° 34′.55N., 69° 48′.20E.

**Chart 2083** [previous update 099/00]

Insert  SPM (a) 22° 33′.53N., 69° 45′.75E.  
Submarine Pipeline,  , joining; (a) above  
(b) 22° 29′.76N., 69° 45′.86E.  
(c) 22° 28′.51N., 69° 45′.41E.  
22° 28′.28N., 69° 45′.21E.  
22° 27′.41N., 69° 44′.79E.  
22° 25′.75N., 69° 44′.45E.  
legend , ‘Oil and Gas (See Note)’ along (b) – (c) above  
Delete Pecked Line, - - - - - , joining; 22° 32′.50N., 69° 46′.10E.  
22° 34′.65N., 69° 50′.18E.

**\*124/(06/09) INDIA – WEST COAST – Gulf of Kachchh – Approaches to Sikka – Submarine Pipeline. SPM Working Area. Legend. (Continued)**

**Chart 2033** [previous update 064/09]

Insert	Submarine Pipeline,  , joining;	22° 32'·40N., 69° 45'·80E.(N Border)
		(a) 22° 29'·72N., 69° 45'·87E.
		(b) 22° 28'·47N., 69° 45'·42E.
		22° 28'·38N., 69° 45'·30E.(W Border)
	legend, 'Oil and Gas (See Note)' along	(a) – (b) above

**\*125/(06/09) INDIA – WEST COAST – Veraval – Buoy. Wreck. Light.**

Indian List of Lights Vol F & K- 2003; F:- 0410.1

Source: INS Jamuna ROS A(N) - 249

(HJ/1130/09)


**Chart 205** [previous update 381/08]

Delete  20° 53'·66N., 70° 22'·98E.

**Chart 206** [previous update 381/08]

Delete  Mast 20° 53'·66N., 70° 22'·98E.

**Chart 2054** [previous update 225/07]

Insert	 Fl.R.5s 20° 53'·776N., 70° 22'·528E.
	 Fl.G.5s 20° 53'·874N., 70° 22'·510E.
Amend	Light to, Fl.G.7s12m5M 20° 53'·850N., 70° 22'·520E.
Delete	 Mast 20° 53'·660N., 70° 22'·984E.

**\*126/(06/09) INDIA – WEST COAST – Revadanda Port – Light. Buoy.**

Indian List of Lights Vol F & K- 2003; F:- 0557.6

Source: Hydrographic Note INS Nirdeshak

(HJ/1030/87)

**Chart 255(INT 7334)** [previous update 035/09]


Amend light to, Fl.R.3s17m4M 18° 35'·80N., 72° 50'·95E.

**Chart 2026 (Revadanda Port)** [previous update 591/05]

Insert	 Fl.R.10s 18° 32'·74N., 72° 54'·42E.
Amend	light to, Fl.R.3s17m4M 18° 35'·80N., 72° 50'·95E.
	Light buoy to, Fl.G.10s 18° 32'·58N., 72° 54'·51E.
	Light buoy to, Fl.R.10s 18° 32'·43N., 72° 54'·73E.



**\*126/(06/09) INDIA – WEST COAST – Revadanda Port – Light. Buoy.(Continued)**

Delete		Fl.R.3s	18° 32′.81N., 72° 53′.58E.
		Fl.G.3s	18° 32′.67N., 72° 54′.25E.
		Fl.G.5s	18° 32′.17N., 72° 55′.06E.
		Fl.R.10s	18° 32′.38N., 72° 55′.59E.

**\*127/(06/09) INDIA – LAKSHADWEEP – Plans in Lakshadweep – Kalpitti to Parali Island – Agatti Island – Mooring Buoy.**

Source: Hydrographic Note INS Investigator

(HJ/1030/07)

**Chart 2047 (Kalpitti to Parali Island)** [previous update 066/09]

Insert			10° 52′.84N., 72° 12′.60E.
--------	---	--	----------------------------

**\*128/(06/09) SRILANKA – WEST COAST – Approaches to Colombo – Colombo Harbour – Lights.**

Indian List of Lights Vol F &amp; K 2003; F:- 0781.2, 0781.22, 0781.24, 0781.26

Source: NHO Dehradun

(HJ/930/60)

**Chart 2063** [previous update 212/08]

Delete		2Fl.Y Bn	06° 58′.00N., 79° 50′.13E.
			06° 57′.96N., 79° 50′.48E.

**Chart 2063 (Plan – Colombo Harbour)** [previous update 212/08]

Delete		Fl.Y.4s Bn	06° 57′.99N., 79° 50′.14E.
			06° 57′.98N., 79° 50′.15E.
			06° 57′.97N., 79° 50′.47E.
			06° 57′.96N., 79° 50′.48E.

**\*129/(06/09) INDIA – EAST COAST – Chennai (Madras) to Ramaypatnam – Depth.**

Source: INS Nirupak ROS I(N)- 118

(HJ/1029/39)

**Chart 356 (INT 7400)** [previous update 093/09]

Insert	depth 2 <sub>9</sub> , enclosed by 5m approximate contour	13° 55′.52N., 80° 16′.69E.
	depth 4 <sub>9</sub> , enclosed by 5m approximate contour	14° 21′.12N., 80° 11′.79E.

**SECTION – III: TEMPORARY AND PRELIMINARY NOTICES**

**\*130(T)/(06/09) INDIAN OCEAN – INDIA - WEST COAST-Arabian Sea — Data Buoys.**

Source: NIOT Chennai

(HJ/1031/50)

1. Following yellow coloured data buoys with 2.2 m dia and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions.

S No.	Buoy No.	Position	Characteristics	Chart affected
a)	DS 1	15° 28′.62N 69° 14′.18E	Fl(4) Y15s4M	22(INT 752) -7705(INT 705)
b)	DS7	08° 18′.90N 72° 39′.67E	Fl 5s4M	23-273
c)	SW2	17° 21′.71N 70° 41′.87E	Fl(4)Y 15s4M	22(INT 752)- 293 (INT 7022)
d)	OB 3	12° 28′.55N 72° 04′.27E	Fl(4) 15s4M	22(INT 752) – 272
e)	MB 20	05° 58′.72N 70° 05′.13E	Fl(4)Y 15s4M	23 – 7071 (INT 71) – 7072(INT 72) – 7073(INT 73)
f)	MB 21	14° 00′.97N 66° 58′.32E	Fl(4)Y 15s4M	7071 (INT 71) – 7072(INT 72) – 7073(INT 73) – 7705 (INT 705)
g)	MB 22	11° 06′.15N 66° 59′.18E	Fl(4)Y 15s4M	7071 (INT 71) – 7072(INT 72) – 7073(INT 73) – 7705 (INT 705)
h)	MB 23	08° 19′.00N 72° 38′.88E	Fl(4)Y 15s4M	22(INT 752)- 23 – 7071 (INT 71) – 7073 (INT 73) – 7705 (INT 705)
j)	MB 24	10° 37′.87N 72° 24′.58E	Fl(4)Y 15s4M	22(INT 752)- 268 (INT 7353) – 7071 (INT 71)–7073 (INT 73)–7705(INT 705)
k)	MB 25	11° 01′.28N 69° 58′.88E	Fl(4)Y 15s4M	22(INT 752) - 7071 (INT 71) – 7072 (INT 72)–7073(INT 73) -7705 (INT 705)
l)	MB 26	06° 59′.02N 74° 59′.07E	Fl(4)Y 15s4M	22(INT 752) – 23 - 7071 (INT 71) – 7072 (INT 72) – 7073(INT 73)
m)	MB 27	07° 58′.72N 68° 58′.38E	Fl(4)Y 15s4M	7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73)
n)	MB 30	11° 59′.52N 67° 50′.33E	Fl(5) 20s4M	7071(INT 71) - 7072(INT72) - 7073(INT73) - 7705(INT 705)
p)	MB 31	20° 01′.50N 67° 32′.87E	Fl(5) 20s4M	292(INT 7021) – 7073(INT 73)
q)	CAL-VAL	10° 37′.32N 72° 25′.80E	Fl(5) 20s4M	22(INT 752) – 273 - 268 (INT 7353)

2. All vessels operating in vicinity are to maintain a clearance of 1000 meters off the moored buoys.

3. **Cancel former INM 581(T)/08.**

**\*131(T)/(06/09) INDIA-EAST COAST – Bay of Bengal - Andaman Sea – Data Buoys.**

Source: NIOT Chennai

(HJ/1028/29)

1. Following yellow coloured data buoys with 2.2 m dia and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions.

S No.	Buoy No.	Position		Characteristics	Chart affected
a)	DS3	12° 11´.35N	90° 43´.53E	Fl(4) 15s4M	33
b)	OB 8	11° 30´.80N	81° 28´.15E	Fl(4) 15s4M	32(INT 754) -33
c)	OB 09	12° 08´.92N	83° 46´.95E	Fl(4)Y 15s4M	33
*d)	OB 10	14° 00´.72N	83° 19´.20E	Fl(5)Y 20s4M	31-32(INT 754) - 33-391
e)	OB 11	18° 22´.87N	87° 34´.03E	Fl(5)Y 20s4M	31
f)	OB 12	19° 58´.30N	89° 02´.25E	Fl(5)Y 20s4M	31
g)	MB 01	13° 24´.52N	80° 24´.57E	---	33 -356(INT 7400)-391
h)	MB 02	12° 31´.08N	84° 57´.48E	---	33
j)	MB 03	10° 01´.22N	87° 31´.28E	---	33
k)	MB 04	10° 31´.67N	91° 40´.50E	Fl(4)Y 15s4M	33 – 472(INT 7032)
l)	MB 05	11° 59´.50N	92° 00´.50E	Fl(4)Y 15s4M	33 - 473(INT 7031)
m)	MB 06	14° 53´.10N	87° 36´.68E	Fl(4)Y 15s4M	31
*n)	MB 09	09° 58´.52N	86° 59´.42E	Fl(5)Y 20s4M	33
p)	MB 10	12° 32´.25N	84° 59´.30E	Fl(4) 15s4M	33
q)	MB 11	14° 57´.73N	87° 32´.48E	Fl(5)Y 20s4M	31
r)	MB 12	18° 09´.18N	90° 04´.73E	Fl(5)Y 20s4M	31
s)	AN 4	13° 25´.80N	93° 33´.60E	Fl. 5s4M	33 - 41 - 473(INT 7031)
t)	AN 5	09° 29´.88N	93° 14´.78E	Fl. 5s4M	33 – 41 – 407 - 472(INT 7032)
u)	TB4 - MET	09° 17´.45N	89° 22´.05E	---	33

2. All vessels operating in vicinity are to maintain a clearance of 1000 meters off the moored buoys.
3. \* indicates new or revised entry.
4. **Cancel former INM 581(T)/08.**

**\*132(T)/(06/09) INDIA - WEST COAST & INDIAN OCEAN - Tsunami Data Buoys.**

Source: NIOT Chennai.

*(HJ/1031/50)*

1. Following yellow coloured Tsunami data buoys with 2.2m dia and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:

SI No	Buoy No.	Position	Size	Characteristics	Chart affected
*a)	TB 3	06° 39'·40N 89° 49'·40E	2.2m dia & 3.5m height mast	Fl(4)Y.15s4M	33
*b)	TB 7	09° 25'·47N 85° 30'·37E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
c)	TB 11	21° 33'·40N 66° 27'·70E	2.2m dia & 3.5m height mast	Fl(4)Y 15s4M	21 -271– 292(INT 7021)
*d)	TB 12	21° 00'·58N 66° 00'·58E	2.2m dia & 3.5m height mast	Fl(4)Y.15s4M	21 - 271

2. Mariners are strongly advised not to anchor or trawl in operation circle of 1000 m of moored Tsunami buoys.

3. \* indicates new or revised entry.

4. **Cancel former INM 314(T)/08.**

**\*133(T)/(01/09) INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.**

Source: DLL Jamnagar &amp; NAVAREA VIII Warning 113/09.

*(HJ/1131/20)*

1. Paga buoy at position 22° 35'·46N, 69° 14'·01E is reported missing.

2. Mariners to exercise Caution.

**Charts affected – 203(INT 7319) – 2068**

**\*134(T)(06/09) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.**

Source: INS Magar

*(HJ/1029/76)*

Unexploded charges reported dumped at following position by INS Magar.

SI No.	Position (WGS 84 Datum)	Date	Charts Affected
(a)	17°16'·50N., 83° 41'·50E	20 Feb 09	31 - 32(INT 752) – 354(INT 7408)
(b)	16°52'·00N., 83° 31'·00E	24 Feb & 04 Mar 09	31 - 32(INT 752) – 354(INT 7408)

## SECTION – IV: MARINE INFORMATION

### MUMBAI NAVTEX COAST STATION

MSI Promulgation by Mumbai NAVTEX Coast Station position 19° 05'.00 N, 072° 50'.00 E is closed for maintenance.

(Source - NAVAREA VIII Warning 305/08)

### Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

<p><b>*JEPPESEN MARINE</b>  <b>Jeppesen India Pvt. Ltd.</b>            505, Raheja Arcade,            Sector-11, CBD Belapur,            Navi Mumbai 400 614            Ph: 91 22 65103668            Fax: 91 22 67939504            Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a></p>	<p><b>*JEPPESEN MARINE</b>  <b>Jeppesen Norway AS</b>            P.O. 212,            N-4379, Egersund, Norway            Ph: 0047 51 464700            Fax: 0047 51 464701            Email: <a href="mailto:info@c-map.no">info@c-map.no</a>            Site: <a href="http://www.c-map.no">www.c-map.no</a></p>	<p><b>C-Map US Commercial</b>            133 Falmouth Road,            Building 2, Postal Code: 02649,            Mashpee, MA, America            Ph: +1 (508) 477 8010            Fax: +1 (508) 539 4381            Email: <a href="mailto:info@c-map.com">info@c-map.com</a></p>
<p><b>C-Map (UK) Ltd.</b>            Systems House            Delta Business Park            Salterns Lane, Fareham,            PO16 0QS, United Kingdom,            Ph: +44 (0) 1329 517777            Fax: +44 (0) 1329 517778            Email: <a href="mailto:info@c-map.co.uk">info@c-map.co.uk</a></p>	<p><b>Mari-Sys Pte Ltd.</b>            20 Ayer Rajah Crescent,            08-21, SE 139964,            Republic of Singapore            Ph: +65 6776 1898            Email: <a href="mailto:info@mari-sys.com">info@mari-sys.com</a></p>	<p><b>Bogerd Martin NV,</b>            Oude Leeuwenrui 37            2000 Antwerp, Belgium            Ph: +32 (3) 2134170            Fax: +32 (3) 2326167            Email: <a href="mailto:sales@martin.be">sales@martin.be</a>            Site: <a href="http://www.martin.be">www.martin.be</a></p>
<p><b>Bogerd Martin Tianjin(China Branch)</b>            2-B101 FTZ Hi-Tech            Development Centre 131            Haibin 9 Road 300461            Tianjin China            Ph: +86 22 257 62 721            Fax: +86 22 257 62 722            Email: <a href="mailto:charts-tj@martincn.com">charts-tj@martincn.com</a></p>	<p><b>C-Map Holland</b>            Paleiskade100            PO Box 7            1781 AR Den Helder,            Holland            Ph: +31 223 616 700            E Mail: CorMallie  <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a></p>	
<p>* Indicates C Map Norway AS has changed name to <b>Jeppesen Marine Norway AS</b>.            Indicates C Map India has changed name to <b>Jeppesen India</b>.</p>		

### TSUNAMI NOTICE

Major changes likely to have occurred in topography of coastline and bathymetry in Andaman & Nicobar islands, coasts of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka as a consequence of recent earthquakes followed by Tsunami waves in South Asia. Number of uncharted wrecks/obstructions may also be encountered. Mariners are advised to exercise utmost caution and contact local authorities while approaching these areas.

**SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE**

1. For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2008.

2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 13 Mar 09, covering the entire world are listed below against the respective NAVAREA.

<b><u>NAVAREA No.</u></b>	<b><u>LOCATION</u></b>	<b><u>LAST NAVAREA</u></b>	<b><u>NAVAREA IN FORCE</u></b>
I	N.E. Atlantic	056	<b>2007 Series:</b> 019 050 247 293. <b>2008 Series:</b> 341 377 387 <b>2009 Series:</b> 033 034 039 050 051 052 055 056
II	E. Atlantic	057	<b>2009 Series:</b> 007 016 017 021 030 033 049 055 056 057
III	Mediterranean	123	<b>2008 Series:</b> 412 512. <b>2009 Series:</b> 049 051 052 053 055 057 067 069 071 080 091 093 094 095 100 101 102 105 107 108 109 110 112 113 114 115 116 117 118 119 120 121 122 123
IV	N.W. Atlantic	084	<b>2009 Series:</b> Nil
V	W. Atlantic	497	<b>2007 Series:</b> 1078. <b>2009 Series:</b> Nil.
VI	S.W. Atlantic	087	<b>2009 Series:</b> Nil.
VII	S.E. Atlantic	062	<b>2009 Series:</b> 028 035 040 041 051 054 055 057 059 062
VIII	Indian Ocean	136	<b>2009 Series:</b> - 012 039 060 065 086 091 099 101 103 113 114 115 116 117 120 121 122 126 127 128 129 130 131 132 133 134 135 136

3. NAVAREA Warnings issued during the period from 28 Feb 09 to 13 Mar 09 (both dates inclusive) are as tabulated below:-

<b>110. Cancelled.</b>
<b>111. Cancelled.</b>
<b>112. Cancelled.</b>
<b>113. India West Coast- Salaya Channel.</b> Charts 21 203 291 2068 INT 705. Paga Buoy 22-35.38N., 069-14.40E Off Station. 2. Mariners to exercise caution.
<b>114. India West Coast – Calicut.</b> Charts 22 219 259 2053 INT 705. Calicut Light 11-15.50N 075-46.20E. Not functioning. 2. Mariners to exercise caution.
<b>115. India West Coast – Tellicherry.</b> Charts 22 219 258 2058 INT 705. Tellicherry Light 11-44.80N., 075-29.20E not functioning 2. Mariners to exercise caution.

<b>116. India East Coast – Bay of Bengal.</b> Charts 31 33 INT 706. Seismic Survey is in progress by vessel Osprey Explorer till 31 Mar 2009 in area bounded by:		
(a)	11-00.00N 081-15.00E	(b) 14-30.00N 081-15.00E
(c)	14-30.00N 083-30.00E	(d) 11-30.00N 083-15.00E
2. Vessel is towing a single streamer of 8500 metres length attached to a yellow coloured buoy with white flashing light at the end of the streamer.		
3. All vessels operating in vicinity are to maintain a clearance of 06 NM and exercise caution.		
4. Cancel this message on 01 Apr 2009.		
<b>117. Cancelled.</b>		
<b>118. Cancelled.</b>		
<b>119. Cancelled.</b>		
<b>120. India West Coast- Arabian Sea.</b> Charts 21 252 271 291 INT 705. Seismic survey in progress by Pacific Explorer till 05 Jun 2009 in area bounded by:		
(a)	21-54.00N 068-05.00E	(b) 22-07.00N 068-52.00E
(c)	21-32.00N 069-04.00E	(d) 21-19.00N 068-17.00E
2. Vessel travelling in east north east and west south west at heading of 073 and 253 degree. The vessel is towing underwater equipment extending 06 NM behind the vessel. the cable is below the surface at 07 metre depth and trailing end is attached to yellow buoy with radar reflector and white flashing light.		
3. All vessels operating in the area are requested to exercise caution and give wide berth at least 06 NM all around the vessel.		
4. Cancel this message on 06 Jun 2009.		
<b>121. Cancel NAVAREA VIII message 066 and 080 of 2009. India West Coast – Arabian Sea.</b> Charts 21 22 202 207 209 211 251 254 253 255 271 291 292 293 INT 705 INT 706. Present position of Oil Rigs / Drill Ships as follows:		
	ABAN III	20-20.03N 071-07.53E
	ABAN IV	18-45.23N 072-18.00E
	ABAN V	19-34.25N 071-17.87E
	BADRINATH	19-02.67N 070-45.26E
	CE THROTON	19-25.08N 071-23.47E
	DISCOVERY 1	20-20.17N 072-01.35E
	ENERGY DRILLER	10-00.03N 075-38.85E
	FG McCLINTOCK	20-06.27N 071-25.56E
	JT ANGEL	19-24.10N 071-23.06E
	KEDARNATH	20-15.45N 071-50.49E
	NOBLE GEORGE McLEOD	20-43.00N 072-19.06E
	NOBLE CHARLIE YESTER	19-22.73N 071-25.23E
	NOBLE ED HOLT	18-33.63N 072-14.93E
	PRIDE HAWAI	20-05.31N 071-52.52E
	PRIDE PENNSYLVANIA	19-32.00N 071-19.17E
	RANDOLPH YOST	19-05.33N 072-06.88E
	RON TAPPEMEYER	19-12.00N 072-11.00E
	SAGAR GAURAV	19-40.42N 071-19.37E
	SAGAR KIRAN	18-41.22N 072-31.80E
	SAGAR LAXMI	18-36.15N 071-01.63E
	SAGAR PRAGATI	19-38.26N 071-19.93E
	SAGAR RATNA	18-39.57N 072-09.37E
	SAGAR SAMRAT	19-32.13N 071-18.81E
	SAGAR SHAKTI	19-11.56N 071-58.67E
	SAGAR UDAY	19-16.25N 071-29.06E
	TRIDENT – 2	19-26.06N 071-24.27E
	TRIDENT – 12	19-18.97N 071-18.60E
	VIRTUE 1	19-25.35N 071-19.55E
	DEEP DRILLER 4	19-19.28N 072-00.48E
2. Wide berth requested.		

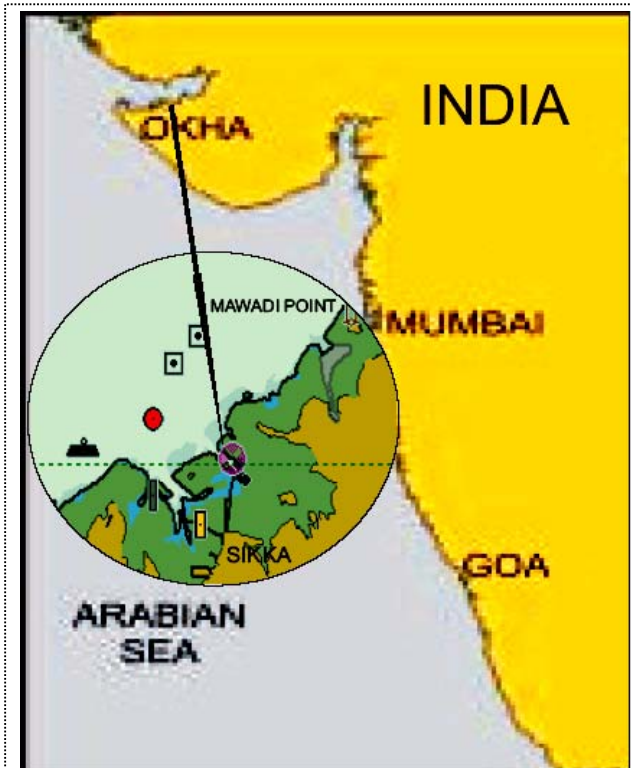
<b>122.</b>	<b>Cancel NAVAREA VIII message 066 and 080 of 2009. India West Coast – Arabian Sea.</b> Charts 21 22 202 207 209 211 251 254 253 255 271 291 292 293 INT 705 INT 706. Present position of Oil Rigs / Drill Ships as follows:	
	ABAN III	20-20.03N 071-07.53E
	ABAN IV	18-45.23N 072-18.00E
	ABAN V	19-34.25N 071-17.87E
	BADRINATH	19-02.67N 070-45.26E
	CE THRONTON	19-25.08N 071-23.47E
	DISCOVERY 1	20-20.17N 072-01.35E
	ENERGY DRILLER	10-00.03N 075-38.85E
	FG McCLINTOCK	20-06.27N 071-25.56E
	JT ANGEL	19-24.10N 071-23.06E
	KEDARNATH	20-15.45N 071-50.49E
	NOBLE GEORGE McLEOD	20-43.00N 072-19.06E
	NOBLE CHARLIE YESTER	19-22.73N 071-25.23E
	NOBLE ED HOLT	18-33.63N 072-14.93E
	PRIDE HAWAI	20-05.31N 071-52.52E
	PRIDE PENNSYLVANIA	19-32.00N 071-19.17E
	RANDOLPH YOST	19-05.33N 072-06.88E
	RON TAPMEYER	19-12.00N 072-11.00E
	SAGAR GAURAV	19-40.42N 071-19.37E
	SAGAR KIRAN	18-41.22N 072-31.80E
	SAGAR LAXMI	18-36.15N 071-01.63E
	SAGAR PRAGATI	19-38.26N 071-19.93E
	SAGAR RATNA	18-39.57N 072-09.37E
	SAGAR SAMRAT	19-32.13N 071-18.81E
	SAGAR SHAKTI	19-11.56N 071-58.67E
	SAGAR UDAY	19-16.25N 071-29.06E
	TRIDENT – 2	19-26.06N 071-24.27E
	TRIDENT – 12	19-18.97N 071-18.60E
	VIRTUE 1	19-25.35N 071-19.55E
	DEEP DRILLER 4	19-19.28N 072-00.48E
2.	Wide berth requested.	
<b>123.</b>	<b>Cancelled.</b>	
<b>124.</b>	<b>Self Cancelling. Cancel NAVAREA VIII Message 108 of 2009.</b>	
<b>125.</b>	<b>Cancelled.</b>	
<b>126.</b>	<b>India West Coast – Pigeon Island.</b> Charts 22 216 257 2072 INT 706. Firing practice by Naval Ships and Air Craft on Pigeon island between 0230 UTC to 0930 UTC from 15 Mar to 21 Mar 2009. Danger area 10 NM around Pigeon island.	
2.	Safe flying height 12000 meters.	
3.	Cancel this message on 22 Mar 2009.	
<b>127.</b>	<b>India East Coast- Visakhapatnam.</b> Charts 31 32 308 354 3002 3012 INT 706. Seaward firing exercise by Naval Coast Battery from 0001 UTC to 0200 UTC and from 1500 UTC to 1700 UTC on 18 Mar 2009. Danger area bounded by	
	(a) 17-42.0N 083-18.0E	(b) 17-47.0N 083-32.0E
	(c) 17-34.0N 083-30.0E	(d) 17-28.0N 083-18.0E
2.	Safe flying height 13000 meters	
3.	Cancel this message on 19 Mar 2009.	
<b>128.</b>	<b>India East Coast - Gopalpur.</b> Charts 31 352 353 3005 INT 706. Firing exercise will be carried out on following dates	
	<u>Date</u>	<u>Time</u>
	15 Mar to 21 Mar 2009	2330 UTC to 1800 UTC
	26 Mar to 31 Mar 2009	2330 UTC to 1800 UTC
2.	Danger area bounded by	
	(a) 19-14.60N 084-53.70E	(b) 19-37.05N 085-27.85E
	(c) 18-46.05N 085-22.86E	
	and arc of 42 NM radius joining point (b) and (c).	
3.	Safe flying height 6100 meters.	
4.	Cancel this message on 01 Apr 2009.	



<p><b>129. India West Coast – Mormugao.</b> Charts 22 257 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC to 1230 UTC from 14 Mar to 21 Mar 2009. Danger area bounded by</p> <p>(a) 15-13.0N 073-57.0E (b) 15-13.0N 073-52.0E (c) 15-11.0N 073-57.0E (d) 15-11.0N 073-52.0E</p> <p>2. Safe flying height 3500 meters. 3. Cancel this message on 22 Mar 2009.</p>
<p><b>130. Refer NAVAREA VIII message 122 of 2009. India East Coast – Bay of Bengal.</b> Charts 31 32 355 INT 706. Drill Ship Deepwater Frontier moved to new position 16-32.35 N 082-31.92 E</p> <p>2. Wide berth requested</p>
<p><b>131. India East Coast- Chennai.</b> Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by Naval Coast Battery 13-07.17N 080-18.70E between 0530 UTC to 0730 UTC on 20 Mar 2009</p> <p>2. Danger zone sector of radius 11 nm from gun position between 045 degree and 075 degree 3. Safe flying height 12800 meters 4. Cancel this message on 21 Mar 2009</p>
<p><b>132. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery from 0900 UTC to 1200 UTC and 1230 UTC to 1430 UTC on 20 Mar and 24 Mar 2009 respectively. danger area bounded By</p> <p>(a) 09-58.08N 076-13.94E (b) 09-58.08N 075-59.94E (c) 09-43.08N 075-59.94E (d) 09-44.08N 076-17.94E</p> <p>2. Safe flying height 10000 meters 3. Cancel this message on 25 Mar 2009</p>
<p><b>133. Refer NAVAREA VIII message 122 of 2009. India East Coast- Bay of Bengal.</b> Charts 31 32 355 INT 706. Drill Ship Discoverer-534 moved to new position 16-33.30N, 082-32.80E.</p> <p>2. Wide berth requested.</p>
<p><b>134. Bay of Bengal-Northern portion.</b> Charts 31 INT 706. Firing practice by Naval Ships from 2030 UTC to 1630 UTC on 19 Mar and 20 Mar 2009 respectively. Danger area bounded by</p> <p>(a) 16-00.0N 086-10.0E (b) 14-50.0N 087-30.0E (c) 14-00.0N 086-34.0E (d) 15-10.0N 085-20.0E</p> <p>2. Safe flying height 22000 meters. 3. Cancel this message on 21 Mar 2009.</p>
<p><b>135. Self cancelling. NAVAREA VIII-warning inforce</b> 2009 series - 012 039 060 065 086 091 099 101 103 113 114 115 116 120 121 122 126 127 128 129 130 131 132 133 134</p>
<p><b>136. India East Coast Bay of Bengal.</b> Charts 31 355 INT 706. 4D OBC marine seismic data survey in progress by Amarco Tiger till 31 Mar 2009 in area bounded by</p> <p>(a) 16-26.20N 082-04.30E (b) 16-30.80N 082-09.80E (c) 16-33.00N 082-14.70E (d) 16-33.40N 082-18.60E (e) 16-32.60N 082-19.10E (f) 16-26.10N 082-16.30E (g) 16-20.70N 082-07.20E</p> <p>2. The vessel is towing a single 13500 meter long streamer cable with small white flashing buoys every 600 meters. 3. All vessels operating in vicinity are to keep a safe distance of 08 NM and exercise caution. 4. Cancel this message on 01 Apr 2009.</p>

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	050	<p><b>2007 Series:</b> 022 027 062 095 106 155 172 200 212.  <b>2008 Series:</b> 022 027 045 046 051 061 069 089 105 107 128 157 176 179 182 184 189 190 191 199 201 202 203 207 211 213 216 225 226 229 244.  <b>2009 Series:</b> 001 002 003 007 009 010 020 023 024 039 040 041 042 043 044 045 047 048 050.</p>

X	Australia, New Guinea	068	<b>2008 Series:</b> 340 353 368 370 374 390 401. <b>2009 Series:</b> 007 014 027 041 044 048 051 056 058 059 060 061 063 064 066 067 068
XI	Malacca Strait, China Sea, N. Pacific	0158	<b>2001 Series:</b> 0775. <b>2003 Series:</b> 0106. <b>2004 Series:</b> 0361. <b>2005 Series:</b> 0307. <b>2007 Series:</b> 0002 0093 0133 0309 0344 0366 0513 0519 0523 0557 <b>2008 Series:</b> 0004 0006 0011 0018 0054 0113 0160 0210 0219 0322 0336 0347 0348 0349 0350 0352 0375 0380 0384 0398 0411 0412 0475 0618 0675 0677. <b>2009 Series:</b> 0078 0079 0120 0121 0122 0125 0135 0140 0142 0143 0145 0146 0147 0148 0149 0150 0154 0155 0156 0157 0158
XII	N.E. Pacific	127	<b>2009 Series:</b> Nil
XIII	N.W. Pacific	053 of 08	<b>2009 Series:</b> Nil
XIV	S.W. Pacific	003	<b>2008 Series:</b> 085. <b>2009 Series:</b> 002 003
XV	S.E. Pacific	009	<b>2009 Series:</b> Nil
XVI	E. Pacific	001	<b>2009 Series:</b> Nil
Hydropacs	Pacific, Indian Ocean	492	<b>2008 Series:</b> 1140 1141 1473 2198. <b>2009 Series:</b> 247
Hydroplants	Atlantic, Mediterranean	469	<b>2008 Series:</b> 300. <b>2009 Series:</b> 327

**SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)****West Coast of India Pilot (INP-1)****Chapter 9 (Page-281)***Article 9.125**Insert Photograph before para 1.**Extract of ENC - IN3203GK**Insert Photograph after para 1.**(Photo Courtesy: INS Investigator)**Reliance Marine Terminal, Sikka*



<b>D7734</b>	<b>Gwādar</b>	25 06-00 N 62 20-87 E	Fl(2)W 15s	84	<b>19</b>				*
<b>D7742</b>	<b>Ormara</b>	25 11-39 N 64 41-38 E	Fl(2)W 20s	227	<b>19</b>	Grey metal framework tower on white base 8			*
<b>E6076-6</b>	- Elbow Beacon	19 29-31 N 37 17-82 E	Fl(4)W 20s	6	6	Red metal framework tower on red and white chequered concrete base 7	(fl 0-5, ec 1) x 3, fl 0-5, ec 15. <b>Reported TE 1988</b>		*
*	*	*	*	*	*	*	*	*	*
<b>F0410.1</b>	E. Break Water	20 53-8 N 70 22-5 E	Fl G7s	12	5	White square masonry tower green band 4			*
<b>F0674</b>	Tellicherry	11 44.8N 75 29.2E	Fl(3)W 9s	27	10	White masonry tower on wall of fort	fl 0.3, ec 1.5, fl 0.3, ec 1.5, fl 0.3, ec 5.1. Vis 322°-120°(158°) <b>TE 2009</b>		*
<b>F0686</b>	- Calicut	11 15.5N 75 46.2E	Fl(2)W 6s	17	10	White masonry tower 15	fl 0.3, ec 1.4, fl 0.3, ec 4. Storm Signals. F R on radio masts 2.7 M NNW and 400m SSE <b>TE 2009</b>		*
<b>F0781.2</b>	Remove from list								
<b>F0781.22</b>	Remove from list								
<b>F0781.24</b>	Remove from list								
<b>F0781.26</b>	Remove from list								
<b>F1029</b>	<b>-Dariapur</b>	21 47.4 N 87 51.9 E	Fl(2)W 20s	30	<b>19</b>	White round concrete tower, black bands 23	fl 1.4, ec 1.9, fl 1.4, ec15.3		
--	--	--	Racon	--	--	--	ILRS Vol 2 Station 79220		*
<b>F1164</b>	<b>Ko Chi (Stork Island)</b>	9 28-70 N 97 54-18 E	Fl W 10s	112	<b>15</b>	White metal framework tower 15	fl 1. <b>TE 2009</b>		*
<b>F1165</b>	<b>Ko Luk Kam Tai (DoubleIsland)</b>	9 27-40 N 98 19-66 E	Fl W 8s	97	<b>15</b>	White metal framework tower 15	fl 0-5. <b>TE 2009</b>		*

**SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS****INP 31(1), 2005***(Last correction: Edition No. 05 dated 01 Mar 2009)***PAGE-29, INDIA, KOCHI MRSC***Delete telephone no. and replace by:*

+91 484 2218969 &amp; 2218460

*Delete Inmarsat 'C' no. and replace by:*

Inmarsat 'C' (IOR) 441907410

*Delete Email and replace by:*

icgmrsckochi@dataone.in

**Special Edition (2008)****06/09****PAGE-30, INDIA, HALDIA MRSC***Delete telephone no. and replace by:*

+91 3224 267755 &amp; 263407

*Delete Fax no. and replace by:*

+91 3224 264541

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR) 441901710

Inmarsat 'mM' (IOR) Voice 762484198

Inmarsat 'mM' (IOR) Fax 762484199

Inmarsat 'mM' (IOR) Data 762484210

*Delete Email and replace by:*

cgdhq@cal2.vsnl.net.in

**Special Edition (2008)****06/09****PAGE-30, INDIA, MANDAPAM MRSC***Delete telephone no. and replace by:*

+91 4573 241518 &amp; 241519

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR) 441907810

Inmarsat 'mM' (IOR) Voice 761887345

Inmarsat 'mM' (IOR) Fax 761887346

Inmarsat 'mM' (IOR) Data 761887347

*Delete Email and replace by:*

cgsmmp@md5.vsnl.net.in

mdcgmp@sancharnet.in

**Special Edition (2008)****06/09**

**PAGE-31, INDIA, PARADIP MRSC***Delete telephone no. and replace by:*

+91 6722 223380 &amp; 221316

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441907710
Inmarsat 'mM' (IOR) Voice	762882363
Inmarsat 'mM' (IOR) Fax	762882364
Inmarsat 'mM' (IOR) Data	762882365

*Delete Email and replace by:*

cgdhqdp@dte.vsnl.net.in

lctk\_cgdhqdp@sancharnet.in

**Special Edition (2008)****06/09****PAGE-31, INDIA, PORBANDER MRSC***Delete telephone no. and replace by:*

+91 286 2242450, 2214422, 2247148 &amp; 2244056

*Delete Email and replace by:*

opscomdis1@yahoo.com

**Special Edition (2008)****06/09****PAGE-31, INDIA, TUTICORIN MRSC***Delete telephone no. and replace by:*

+91 461 2353503

*Delete Fax no. and replace by:*

+91 461 2353503

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441900447
Inmarsat 'mM' (IOR) Voice	762484086
Inmarsat 'mM' (IOR) Fax	762484087
Inmarsat 'mM' (IOR) Data	762484088

*Delete Email and replace by:*

icgstn\_tuticorin@dataone.in

**Special Edition (2008)****06/09**

**PAGE-32, INDIA, VISAKHAPATNAM MRSC***Delete telephone no. and replace by:*

+91 891 2568875, 2547266 &amp; 2741060

*Delete Fax no. and replace by:*

+91 891 2568879

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441907010
Inmarsat 'mM' (IOR) Voice	762882360
Inmarsat 'mM' (IOR) Fax	762882361
Inmarsat 'mM' (IOR) Data	762882362

*Delete Email and replace by:*

dhq6@md4.vsnl.net.in

dhqvsp@sify.com

**Special Edition (2008)****06/09****PAGE-32, INDIA, GOA MRSC***Delete telephone no. and replace by:*

+91 832 2521051 &amp; 2521718

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441908310
--------------------	-----------

*Delete Email and replace by:*

comdis11@email.com

**Special Edition (2008)****06/09****PAGE-32, INDIA, NEW MANGALORE MRSC***Delete telephone no. in contact table:*

2405266

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441908310
Inmarsat 'M' (IOR)	641900710
Inmarsat 'mM' (IOR) Voice	764443569
Inmarsat 'mM' (IOR) Fax	764443570
Inmarsat 'mM' (IOR) Data	764443571

*Delete Email in Email table:*

icgdhq3@sancharnet.in

**Special Edition (2008)****06/09**



**PAGE-34, INDIA, CAMPBELL BAY MRSC***Delete telephone no. and replace by:*

+91 3192 264015

*Delete Fax no. and replace by:*

+91 3192 264215

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441907910
Inmarsat 'mM' (IOR) Voice	762483771
Inmarsat 'mM' (IOR) Fax	762483772
Inmarsat 'mM' (IOR) Data	762483773

**Special Edition (2008)****06/09****PAGE-35, INDIA, PORT BLAIR MRSC***Delete telephone no. and replace by:*

+91 3192 245530

*Delete Fax no. and replace by:*

+91 3192 242948

*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441908010
Inmarsat 'mM' (IOR) Voice	762483765
Inmarsat 'mM' (IOR) Fax	762483766
Inmarsat 'mM' (IOR) Data	762483767

**Special Edition (2008)****06/09****PAGE-35, INDIA, DIGLIPUR MRSC***Delete telephone no. and replace by:*

+91 3192 272423

*Delete Fax no. and replace by:*

+91 3192 272332



*Delete Inmarsat table and replace by:*

Inmarsat 'C' (IOR)	441908110
Inmarsat 'mM' (IOR) Voice	762483768
Inmarsat 'mM' (IOR) Fax	762483769
Inmarsat 'mM' (IOR) Data	762483770

**Special Edition (2008)****06/09**

Page 29, JAKHAU MRSSC:



23°13' N 68°33' E

	+91 2831 294521 & 286432		+91 2831 294521
Inmarsat 'C' : (IOR) 441900444 Inmarsat 'mM' : (IOR) Voice 762484135 Inmarsat 'mM' : (IOR) Fax 762484136 Inmarsat 'mM' : (IOR) Data 762484137		E-MAIL:	icgstn_jakhau@yahoo.com

**Special Edition (2008)****06/09**

Page 28, BEYPORE MRSSC:



11°09' N 75°48' E

	+91 495 2417993 & 2417994		+91 495 2417994
Inmarsat 'C' : (IOR) 441913010		E-MAIL:	icgsbpe@yahoo.co.in

**Special Edition (2008)****06/09**

Page 29, KAVARATI MRSSC:



10°33' N 72°38' E

	+91 4896 263497		+91 4896 263494
Inmarsat 'C' : (IOR) 441900453 Inmarsat 'mM' : (IOR) Voice 762484174 Inmarsat 'mM' : (IOR) Fax 762484175 Inmarsat 'mM' : (IOR) Data 762484176		E-MAIL:	---

**Special Edition (2008)****06/09**

Page 31, VIZHINJAM MRSSC:



08°22' N 76°58' E

	+91 471 2484002 & 2486484		---
Inmarsat 'C' : (IOR) 441900449 Inmarsat 'mM' : (IOR) Voice 762484123 Inmarsat 'mM' : (IOR) Fax 762484124 Inmarsat 'mM' : (IOR) Data 762484125		E-MAIL:	---

**Special Edition (2008)****06/09**

Page 31, PUDUCHERRY MRSSC:



11°54' N 79°49' E

	+91 413 2602498 & 2602499		+91 413 2602498
---		E-MAIL:	icgs_pondy@dataone.in

**Special Edition (2008)****06/09**

Page 29, KAKINADA MRSSC:



16°56' N 82°15' E

	+91 884 2342175 & 2370384		+91 884 2342171
Inmarsat 'C' : (IOR) 441913210		E-MAIL:	icgs_knd@rediffmail.com

**Special Edition (2008)****06/09**

**PAGE 28, MALDIVES, MALÉ GMDSS OPERATION CENTRE (8Q2), contacts table, row 2.**

Delete row and replace by:

 Coastguard: +960 3398898 & 3395981	 Coastguard: +960 3391665
--	--

**BA 09/09****06/09****INP 31(2), 2007***(Last correction: Edition No. 05 dated 01 Mar 2009)***PAGE 25, OMAN section.****76440 Said Bin Sultan Naval Base, Wudam Northern Breakwater Lt.**

Delete entry

**09/09****06/09****BA, VOLUME 3 Part 1, NP 283(1), 2006/07***(Last correction: Edition No. 15 dated 01Aug 2006)***NIL****INP 31(5), 1997***(Last correction: Edition No. 03 dated 01 Feb 2009)***PAGE 183, MALDIVES, contacts table, rows 1--5.**

Delete rows and replace by:

	<b>Telephone +960</b>	<b>Fax +960</b>	<b>Others</b>
MALDIVES AIRPORT AUTHORITY (Cospas--Sarsat SPOC)	322071 313258	313258	<b>AFTN</b> VRMMYCYX <b>E--mail</b> atcc@airport.com.mv
COASTGUARD HEADQUARTERS (Operations Centre)	3398898 3395981	3391665	<b>E--mail</b> maldivescoastguard@defence.gov.mv
MALE' Harbour Control	3327883	3328624	maldport@dhivenet.net.mv

**BA 09/09****06/09**

**TANZANIA****PAGE 173, TANZANIA.**

Delete entry and replace by:

<b>National SAR Agency:</b> Surface and Marine Transport Regulatory Authority (SUMATRA) <b>Address:</b> P.O. Box 3093, Dar es Salaam, Tanzania <b>Tel:</b> +255 22 2197510 <b>Fax:</b> +255 22 2116697 <b>E--mail:</b> dg@sumatra.or.tz & info@sumatra.or.tz <b>Website:</b> www.sumatra.or.tz			
Tanzania Harbour Authority is responsible for Search and Rescue operations within coastal waters of Tanzania. Dar es Salaam Port Control maintains a listening watch on VHF Ch 16 for distress calls.			
	<b>Telephone +255</b>	<b>Fax +255</b>	<b>Others</b>
DAR ES SALAAM RCC (Cospas--Sarsat SPOC)	22 2110223/4 22 2110254	22 2110264 22 2124914	<b>AFTN</b> HTDCYCYX <b>E--mail</b> tcaadia@tcaa.go.tz
MRSC DAR ES SALAAM	3398898 3395981	3391665	<b>Inmarsat F77</b> +870 764 886292 (Voice) +870 764 886295 (Voice)

**BA 09/09****06/09****INP 31(6), 2005***(Last correction: Edition No. 05 dated 01 Mar 2009)**Page 92, India Section, Pipavav  
Amend following text:*

TEL: +91 2794 286001 FAX: +91 2794 286068 WEB: www.pipavavport.com FREQUENCY: Ch 16; 71 PROCEDURE: (2) Vessels should send ETA 72, 48, 24 and 12 hours notice to the Harbour Master.
---

*Page 92, India Section  
Insert after Pipavav:*

<b>Ultra Tech Cement Jetty</b> 20°54'N 71°30'E (The jetty is located within the Pipavav Port limits) <b>Pilots and Terminals</b> CALL: Pipavav Port Control TEL: +91 02794 283058 FAX: +91 02794 302666 EMAIL: portcontrol@portofpipavav.com, dharam.singh@adityabirla.com WEB: www.ultratechcement.com FREQUENCY: Ch 16; 71 HOURS: H 24 PROCEDURE: (1) Pilotage is compulsory. Pilot boards at position 20°52'.5 N 71°29'.8E. (2) Vessels should send ETA 72, 48, 24 and 12 hours notice to the Harbour Master. Note: The terminal is operated by M/S Ultra Tech Cement Limited, Aditya Birla Group. The marine services are provided by the Pipavav Port.
--

**Pipavav Port****06/09**

**PAGE 68, BAHRAIN, MINA' SALMAN, Bahrain Pilots,  
PROCEDURE.**

Delete section (5) and replace by:

(5) **Pilot boards** in position 26°10'47N 50°44'37E.

**BA 08/09**

**06/09**

## **SECTION – IX: REPORTING OF NAVIGATIONAL DANGERS**

*Instructions for raising Hydrographic Note (Form IH 102) [Enclosed with editions 1,7,13 & 19 of N to M]*

### **Appeal to all Mariners:**

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office  
107-A, Rajpur Road,  
Post Box No. 75, Dehradun - 248 001  
(UTTARAKHAND), INDIA  
e-mail: - inho@dataone.in; inho\_marinesafety@dataone.in  
          in角度\_navwarnings@dataone.in; inho\_helpdesk@dataone.in  
Fax No.: (0135) 2748373  
WEB: www.hydrobharat.nic.in

### **Instructions for filling up Form IH 102 (Enclosed with editions 1,7,13 & 19 of N to M)**

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

### **Position Reporting**

3. When a position is defined by bearings (true or magnetic to be specified) more than two bearings should be used in order to provide a check. Distances observed by Radar should be corrected for index errors. Latitude and Longitude obtained from GPS / DGPS should specify the datum (WGS 84 or other). A copy / tracing from the largest scale chart may be used for forwarding details, with the corrections and additions being shown thereon in red.

### **Depth Reporting**

4. When soundings are obtained using Echo Sounders, the echo-gram should be duly annotated with date, time, position and depth, etc., before enclosing it with the Form IH 102. It is important to state whether echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be applied where necessary. The make, name and type of echo sounder should also be given. Care should be taken to set the echo sounder to the largest scale / phase, so as to obtain maximum details of echo of the feature. Efforts should be made to identify and negate false echoes if any.

5. Reports, which cannot be confirmed or are lacking in certain details should not be withheld. Limitations or shortcomings should be duly notified in the form.

6. Reports on shoal soundings, uncharted dangers and navigational aids out of order should be reported through fastest available means at the mariner's discretion, and also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 50 metres should be of sufficient importance to justify a radio message.

7. Port information should be forwarded on form IH 102a together with IH 102. Form 102a contains the information required for Sailing Direction and should be used as an *aide memoir*. Where there is insufficient space on the form, additional sheet should be used.

*Please Note:* - The receipt of all Hydrographic Notes will be duly acknowledged by the Hydrographic Office. Normally, the sender's ship or name is quoted as the source when the Notices to Mariners reporting the change is issued, unless the information is received through a foreign Notices to Mariners. Further communication from the Hydrographic Office to the sender of the hydrographic note will only be necessary to verify unusual features or abnormal values reported.