



# INDIAN NOTICES TO MARINERS



EDITION NO. 07 DATED 01 APR 2013

(CONTAINS NOTICES 083 TO 089)

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## CONTENTS

<u>Section No.</u>	<u>Title</u>
I	List of Charts Affected
II	Permanent Notices
III	Temporary and Preliminary Notices
IV	Marine Information
V	NAVAREA VIII Warnings inforce
VI	Corrections to Sailing Directions
VII	Corrections to List of Lights
VIII	Corrections to List of Radio Signals
IX	Reporting of Navigational Dangers

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

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INSIST ON INDIAN CHARTS AND  
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## II

### **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 Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings 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 this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer  
to the Government of India**



### III

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Whereas 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 5020 (INT 1).
- (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. 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 cannot 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.

## IV

**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) Wherever 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 and 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.

## NEWLY PUBLISHED INDIAN CHARTS, ENC<sub>s</sub> AND PUBLICATION

1. The new Indian Charts that is available for mariners in the market are as follows:-

Nil

2. The new Indian Electronic Navigational Chart that is available for mariners in the market is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
IN52027P	2027	ROZI ANCHORAGE	31-01-2013
IN62074S	2074	PAWAS BAY-RANPAR PORT	30-11-2012
IN63037D	3037	DHAMRA PORT	31-01-2013
IN64042C	4042	CHOWRA ISLAND	31-01-2013
IN54165B	4165	BOMPOKA ISLAND	31-01-2013
IN54163A	4163	APPROACHES TO CHOWRA ISLAND	31-01-2013
IN54164T	4164	TARASA DWIP	31-01-2013
IN54177T	4177	TILLANCHANG ISLAND	31-01-2013
IN62504T	2504	MATHURIN HARBOUR	29-01-2013
IN42508K	2508	KAASHIDHOO TO NORTH MALE ATOLL	04-02-2013
IN52003O	2003	BEYPORE ANCHORAGE	14-02-2013
IN52003A	2003	BADAGARA ANCHORAGE	01-03-2013
IN52030B	2030	SRIVARDHAN AND BANKOT ANCHORAGE	14-02-2013
IN62013T	2013	PORT OF OKHA	18-02-2013
IN42501A	2501	APPROACHES TO NORTH MALE ATOLL	25-02-2013
IN62104O	2104	KOLLAM PORT	05-03-2013
IN62034P	2034	HAZIRA PORT	06-03-2013
IN62108E	2108	ESSAR BULK TERMINAL	06-03-2013
IN62109T	2109	TAPI RIVER	06-03-2013
IN63004C	3004	CHENNAI HARBOUR	12-03-2013
IN53007G	3007	NAGAPATTINAM ANCHORAGE	13-03-2013
IN64039A	4039	CAMPBELL BAY	14-03-2013
IN2254GK	254	APPROACHES TO GULF OF KHAMBHAT (CAMBAY)	15-03-2013

3. The new Edition Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
IN3214VP	214	VENGURLA TO BETUL	13-03-2013
IN44030M	4030	MANNERS STRAIT AND DUNCAN PASSAGE	13-03-2013

## VI

4. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell No</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52027R	2027	ROZI ANCHORAGE	29-10-2009
IN62074P	2074	PAWAS BAY-RANPAR PORT	27-10-2008
IN62504M	2504	MATHURIN HARBOUR	05-06-2009
IN52003Y	2003	BADAGARA ANCHORAGE	14-10-2004
IN52003B	2003	BEYPORE ANCHORAGE	14-10-2004
IN52030S	2030	SRIVARDHAN AND BANKOT ANCHORAGE	13-05-2010
IN62013O	2013	PORT OF OKHA	30-03-2007
IN62034H	2034	HAZIRA PORT	06-02-2009
IN62104K	2104	KOLLAM PORT	11-03-2011
IN44017R	4017	REVELLO AND BERESFORD CHANNELS	14-10-2004
IN3254GK	254	APPROACHES TO GULF OF KHAMBHAT (CAMBAY)	01-02-2006
IN53004M	3004	CHENNAI HARBOUR	06-03-2009
IN53007N	3007	NAGAPATTINAM ANCHORAGE	17-02-2011
IN64039C	4039	CAMPBELL BAY	13-12-2007
IN42019A	2019	APPROACHES TO MAGDALLA	06-04-2009
IN62019M	2019	MAGDALLA PORT	17-10-2006
IN3214VP	214	VENGURLA TO BETUL	14-10-2004
IN44030M	4030	MANNERS STRAIT AND DUNCAN PASSAGE	14-10-2004

5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2016 (INT 7336)	INNER APPROACHES TO MUMBAI	60,000	New Edition
	BEYPORE ANCHORAGE	25,000	New Chart
2045 (INT 7360)	PORT OF KOCHI	7,500	New Edition
2004 (INT 7359)	KOCHI HARBOUR	25,000	New Edition
2029 (INT 7358)	APPROACHES TO KOCHI	60,000	New Edition
252 (INT 7325)	OKHA TO VERAVAL	300,000	New Edition

## VII

### Availability of ENCs.

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENCs through the world wide network of their agents and distributors. 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:

<p>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></p>	<p>JEPPESEN MARINE Jeppesen Norway AS Hovalandsveien 52 P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:enc@jeppesen.com">enc@jeppesen.com</a>, <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.jeppesen.com">www.jeppesen.com</a></p>
<p>M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-<a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a></p>	



## TEMPORARY AND PRELIMINARY NOTICES

*In Force 01 Apr 2013*

*(Former In Force List dated 01 Jan 2013 is cancelled)*

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### Cancelled Notices

<i>Area</i>	<i>Notice No.</i>
1	Nil.
2	244/12, 250/12, 036/13, 037/13, 040/13.
3	243/12, 271/12.
4	Nil.

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#### 1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
445/06	20 – 21 – 286 – 291 – 2088 – 2094 – 2095 – 2096 – 7703 (INT 703) – 7705 (INT 705) – 8009 – 8010.	ARABIAN SEA – RED SEA – Submarine cables.
249/08	20 – 288 – 289 – 8004.	UNITED ARAB EMIRATES – QATAR – Submarine cables.
354/08	20 – 289.	UNITED ARAB EMIRATES – Jazirat Das to Ras al Qila – Submarine pipeline.

#### 2. INDIA WEST COAST – INDIAN OCEAN

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
085/09	2047.	INDIA – LAKSHADWEEP – Plans in Lakshadweep – Kalpitti to Parali Island – Agatti – Jetty.
152/11	2081 – 2100.	INDIA – WEST COAST – Pipavav Port – Dredging.
182/12	21 – 22 (INT 752) – 249 – 250 – 291 – 292 (INT 7021) – 293 (INT 7022).	INDIA – ARABIAN SEA – Argo Floats.
251/12	2106 – 2107.	INDIA – WEST COAST – Mundra Port – Port Development. Dredging. Turning Circle. Buoys.
257/12	217 – 258 (INT 7348) – 272 – 293 (INT 7022) – 2002 (INT 7351) – 2052 (INT 7350).	INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Buoys. Dredging.
258/12	21 – 22 (INT 752) – 23 – 32 (INT 754) – 214 – 215 – 221 – 253 (INT 7328) – 257 (INT 7343) – 259 (INT 7356) – 260 (INT 7362) – 261 – 262 – 263 (INT 7383) – 272 – 292 (INT 7021) – 293 (INT 7022).	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
269/12	2022 (INT 7345) – 2020 – 2078 (INT 7346).	INDIA – WEST COAST – Port of Mormugao – Dredging.



**IX**

**2. INDIA WEST COAST – INDIAN OCEAN (Continued)**

038/13	2065.	INDIA – WEST COAST – Port Dabhol – Buoy.
039/13	21 – 22 (INT 752) – 255 (INT 7334) – 211 – 292 – (INT 7021) – 293 (INT 7022) – 2016 (INT 7336).	INDIA – WEST COAST – Inner Approaches to Mumbai – Wreck Marking Buoys.
041/13	2004(INT 7359) – 2029 (INT 7358) – 2045(INT 7360).	INDIA – WEST COAST – Port of Kochi – Kochi Harbour – Dredging. Channel Limit. Jetty.
042/13	23 – 31 – 33 – 7070 (INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7706 (INT 706) – 7707 (INT 707).	INDIAN OCEAN – Data Buoys.
058/13	21 – 22 (INT 752) – 23 – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) – 7703(INT 703) – 7705 (INT 705) – 7706 (INT 706).	INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.
089/13	2016 (INT 7336) – 2015 (INT 7337) – 2001 – 2076 (INT 7338).	INDIA – WEST COAST – Mumbai Harbour – Dredging Operation.

**3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR**

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
237/10	406 – 4010.	ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Light.
145/11	351 – 301 – 3011 (INT 7421).	INDIA – EAST COAST – Approaches to Hugli River. Works.
238/11	3033.	INDIA – EAST COAST – Karaikal Port – Construction Work. Dredging. Jetty.
094/12	33 – 41 (INT 757) – 402 – 403 – 404 – 405 – 406 – 407 – 408 – 409 – 471 – 472 (INT 7032) – 473 (INT 7031) – 4016 – 4035.	INDIA – ANDAMAN SEA – Fish Aggregating Devices.
183/12	31 – 32 (INT 754) – 33 – 354 (INT 7408).	INDIA – BAY OF BENGAL – Argo Floats.
200/12	31 – 322 – 323– 371 – 3020.	MYANMAR – WEST COAST – off Ramree Island – Dredging.
212/12	3034.	INDIA – EAST COAST – Krishnapatnam Port – Port Development. Dredging.
225/12	31 – 321 – 322 – 371 – 3020.	BAY OF BENGAL – MYANMAR COAST – Combermere Bay to Cheduba Strait – Platform.
239/12	352 (INT 7416) – 3010 (INT 7418).	INDIA – EAST COAST – Paradip Port – Dredging. Restricted Area.
259/12	31 – 32 (INT754) – 33 – 308 – 352(INT7416) – 354(INT7408) – 355(INT7405) – 357(INT7397) – 391.	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.

### 3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR (Continued)

287/12	23 – 32 (INT 754) – 225 – 263 (INT 7383) – 2063.	SRI LANKA – WEST COAST – Colombo Harbour and Approaches – Restricted area.
288/12	31 – 32 (INT 754) – 354 (INT 7408) – 355 (INT 7405) – 391 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – Drilling Operation.
043/13	41 (INT 757) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	MYANMAR – Restricted Area.
051/13	31 – 32 (INT 754) – 391 – 354 (INT 7408).	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
057/13	31 – 32 (INT 754) – 33 – 41 (INT 757) – 292 (INT 7021) – 404 – 405 – 472 (INT 7032) – 473 (INT 7031) – 7706 (INT 706) – 7707 (INT 707).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys. Tsunami Buoys.

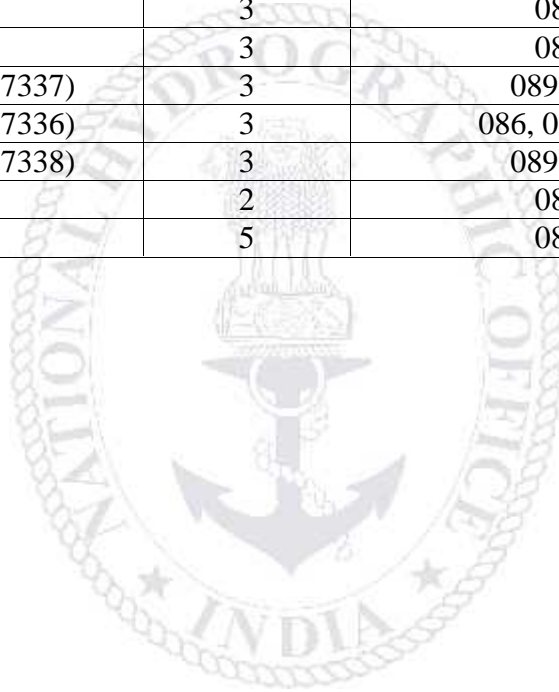
### 4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

383/03	33 – 41 (INT 757).	INDONESIA – Sumatera – North and Northwest Coasts – Restricted area.
377/07	7508 (INT 508).	INDONESIA – Sumatera – Pulau Belitung West Coast – Tanjungpandan to Jawa North Coast – Pakis – Submarine cable.
238/10	41 (INT 757) – 471.	INDONESIA – Sumatera – North West Coast – Pulau Bunta – Lights.

**SECTION – I**

The list of charts affected by the Notices 083 to 089 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
23	1	088
32 (INT 754)	5	088
33	5	088
201	2	084
211	3	086, 089 (T)
226	1	088
251 (INT 7318)	2	084
264	4	088
271	2	084
291	2	084
2001	3	089 (T)
2008	3	087
2010	3	087
2015 (INT 7337)	3	089 (T)
2016 (INT 7336)	3	086, 089 (T)
2076 (INT 7338)	3	089 (T)
2101	2	085
3003	5	083



## SECTION – II

### PERMANENT NOTICES

**\*083/(07/13) Miscellaneous updates to charts.**

Source: NHO Dehradun.		
Chart	Previous Updates	Details
3003	NC 30 Nov 12	<b>SOURCE DATA</b> <b>For</b> – b 2006 1:25 000 <b>Read</b> – b 1991- 2006 1:25 000

**\*084/(07/13) INDIA – WEST COAST – Approaches to Gulf of Kachchh – Wreck.**

Source: CGHQ, Gandhinagar

**Chart 291** [previous update 052/13]

Insert  23° 20'·25N., 67° 57'·75E.

**Chart 271** [previous update 052/13]

Insert  23° 20'·25N., 67° 57'·75E.

**Chart 251(INT 7318)** [previous update 070/13]

Insert  23° 20'·25N., 67° 57'·75E.

**Chart 201** [previous update 070/13]

Insert  23° 20'·25N., 67° 57'·75E.

**\*085/(07/13) INDIA – WEST COAST – Approaches to Hazira – Buoy.**

Source: ESSAR Bulk Terminal Hazira.

**Chart 2101** [previous update 069/13]

Insert  F110s  
Fairway Buoy 21° 01'·12N., 72° 39'·25E.

**Former INM 036(P)/13 is cancelled.**

**\*086/(07/13) INDIA – WEST COAST – Inner Approaches to Mumbai – Dumping Ground.**

Source: Mumbai Port Trust.

**Chart 211** [previous update 214/12]

Insert dumping ground 'TTTTTTT' joining; 18° 54'·95N., 72° 40'·80E.

18° 54'·95N., 72° 42'·00E.

18° 53'·80N., 72° 42'·00E.

18° 53'·80N., 72° 40'·80E.

legend, *Dumping Ground*, centered on;

18° 54'·40N., 72° 41'·40E.

**Chart 2016 (INT 7336)** [previous update 053/13]

Insert dumping ground 'TTTTTTT' joining; 18° 54'·95N., 72° 40'·80E.

18° 54'·95N., 72° 42'·00E.

18° 53'·80N., 72° 42'·00E.

18° 53'·80N., 72° 40'·80E.


legend, *Dumping Ground*, centered on;

18° 54'·40N., 72° 41'·40E.


**\*087/(07/13) INDIA – WEST COAST – Karwar Naval Harbour – Light. Transit mark.**

Source: DDG(PI) Karwar, Project Seabird, HQFOK.

**Chart 2010** [previous update 263/12]

Insert	★ FIG3s12m5M	14° 45′·497N., 74° 07′·674E.
	★ FIG5s13m7M	14° 44′·070N., 74° 09′·869E.
	★ FIR5s9m7M	14° 45′·048N., 74° 09′·937E.
	★ QF118m5M.	14° 46′·533N., 74° 07′·495E.
	★ F15s32m5M	14° 46′·763N., 74° 07′·495E.
	legend, “2 Lts ≠ 359°”, centered on:	14° 44′·670N., 74° 07′·540E.
	leading lights, dotted line, joining:	14° 46′·720N., 74° 07′·495E.
		14° 46′·763N., 74° 07′·495E.
Amend	light to, FIR3s10m5M	14° 45′·210N., 74° 07′·362E.
Delete		14° 46′·533N., 74° 07′·495E.
		14° 46′·720N., 74° 07′·495E.
	⚓ Fl.G.3s	14° 45′·497N., 74° 07′·674E.
	legend, “2 Trs ≠ 359°”, centered on:	14° 44′·670N., 74° 07′·540E.

**Chart 2008** [previous update 274/12]

Insert	★ FIG3s12m5M	14° 45′·50N., 74° 07′·67E.
	★ FIG5s13m7M	14° 44′·07N., 74° 09′·87E.
	★ FIR5s9m7M	14° 45′·05N., 74° 09′·94E.
	★ QF118m5M.	14° 46′·53N., 74° 07′·50E.
	★ F15s32m5M	14° 46′·76N., 74° 07′·50E.
	legend, “2 Lts ≠ 359°”, centered on:	14° 44′·67N., 74° 07′·54E.
	leading lights, dotted line, joining:	14° 46′·72N., 74° 07′·50E.
		14° 46′·76N., 74° 07′·50E.
Amend	light to, FIR3s10m5M	14° 45′·21N., 74° 07′·36E.
Delete		14° 46′·53N., 74° 07′·50E.
		14° 46′·72N., 74° 07′·50E.
	⚓ Fl.G.3s	14° 45′·50N., 74° 07′·67E.
	legend, “2 Trs ≠ 359°”, centered on:	14° 44′·67N., 74° 07′·54E.

**Former INM 040(P)/13 is cancelled.****088/(07/13) SRI LANKA – SOUTH COAST – Galle to Little Basses – Racon.**

Source: UKHO.

**Chart 23** [previous update 232/09]

Insert	radar beacon, Racon (O), at light	06° 11′·00N., 81° 28′·50E.
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**Chart 32 (INT 754)** [previous update 280/12]

Insert	radar beacon, Racon (O), at light	06° 11′·00N., 81° 28′·50E.
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**Chart 33** [previous update 280/12]

Insert	radar beacon, Racon (O), at light	06° 11′·00N., 81° 28′·50E.
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**Chart 226** [previous update 110/12]

Insert	radar beacon, Racon (O), at light	06° 10′·80N., 81° 28′·80E.
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**Chart 264** [previous update 228/12]

Insert	radar beacon, Racon (O), at light	06° 10′·80N., 81° 28′·80E.
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**SECTION – III**  
**TEMPORARY AND PRELIMINARY NOTICES**

**\*089(T)/(01/13) INDIA – WEST COAST – Mumbai Harbour – Dredging Operation.**

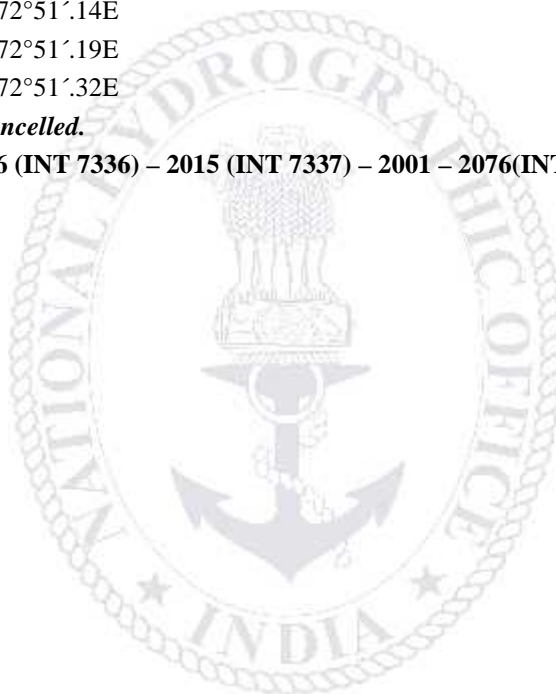
Source: Mumbai Port Trust.

Capital dredging in progress for Offshore Container Terminal (OCT) in area bounded by following co-ordinates:

- (a) 18°56′.79N., 72°51′.33E
- (b) 18°56′.77N., 72°51′.43E
- (c) 18°56′.36N., 72°51′.33E
- (d) 18°55′.55N., 72°51′.47E
- (e) 18°55′.18N., 72°52′.03E
- (f) 18°55′.01N., 72°51′.93E
- (g) 18°55′.43N., 72°51′.29E
- (h) 18°55′.56N., 72°50′.94E
- (j) 18°56′.28N., 72°51′.11E
- (k) 18°56′.21N., 72°51′.14E
- (l) 18°56′.20N., 72°51′.19E
- (m) 18°56′.76N., 72°51′.32E

***Former INM 037(T)/13 is cancelled.***

**Charts affected – 211 – 2016 (INT 7336) – 2015 (INT 7337) – 2001 – 2076 (INT 7338).**



## **SECTION – IV** **MARINE INFORMATION**

### **1. NAVTEX TRANSMISSION**

MSI Promulgation by NAVTEX Stations at Mumbai and Chennai are temporarily out of operation.

(Source – DG Shipping)

### **2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - [indsar@vsnl.net](mailto:indsar@vsnl.net), or [icgmrc\\_mumbai@mtnl.net](mailto:icgmrc_mumbai@mtnl.net). Any suspicious activity of skiffs / boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

(Source - NAVAREA VIII Warning 100/12)

### **3. DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

(Source - NAVAREA VIII Warning 141/12 & 529/12)

### **3. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16<sup>th</sup> July 2008).

(a) Safety Fairways: An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic

## 4.2

Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.





### **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>	

**List of Indian Chart Agents.**

M/s OSA Books and Periodicals, R-246, Greater Kailash -I New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a>	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : <a href="mailto:sbh@vsnl.com">sbh@vsnl.com</a>
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor 58, Dr. Sunderlal Bahl Path (Goa Street) Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380, Fax: 91-22-22621488 Email: <a href="mailto:sales@bogerdmartin.com">sales@bogerdmartin.com</a> , <a href="mailto:sarmarin@vsnl.com">sarmarin@vsnl.com</a>	M/s EW Stevens & Co. (Pvt.) Ltd. Mackinnon Mackenzie Bldg, Ground Floor, 4 Shoorji Vallabhdas Marg, Mumbai-400 038 Tel: 91-22-22618567, Fax: 022-22619146 Email: <a href="mailto:ewsbom@bom3.vsnl.net.in">ewsbom@bom3.vsnl.net.in</a>
M/s C & C Marine Combine 25 Bank Street, 1 <sup>st</sup> Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: <a href="mailto:ccmarine@bom5.vsnl.net.in">ccmarine@bom5.vsnl.net.in</a>	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelangarai, Chennai 600041 Land Mark - Nearby Suganya Kalyana Mandapam Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a>
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : <a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a>	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 5610 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: <a href="mailto:raj_chakravorty@yahoo.com">raj_chakravorty@yahoo.com</a> <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>
M/s JM Maritime Services 24/24C Kavarana Building Ground Floor, Wadi Bunder P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a>	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : <a href="mailto:info@inspireship.com">info@inspireship.com</a> <a href="mailto:pramod@inspireship.com">pramod@inspireship.com</a>
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungi Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924283, Cell: +91-8902228463 Email: <a href="mailto:sankar_roy342@yahoo.in">sankar_roy342@yahoo.in</a>	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, VIP Area, IRC Village Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Email: <a href="mailto:ashiskantha@gmiindia.in">ashiskantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a>

**SECTION – V**  
**NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings inforce as on 31 Mar 13.

**2012 SERIES** – 465 519 531 537 596 657 661 662

**2013 SERIES** – 003 007 008 012 026 035 036 046 055 070 090 091 094 106 129 135 137 142  
147 148 149 152 160 163 164 165 166 167 170 171 172 174 175

3. NAVAREA VIII Warnings issued during the period from 16 Mar to 31 Mar 13 (both dates inclusive) are as tabulated below: –

<p><b>157. India West Coast – Gulf of Khambhat.</b> Charts 21 209 210 254 292 INT 71. Firing practice by Coast Guard aircraft from 0230 UTC to 0630 UTC on 24 Mar 13 in area bounded by:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(a) 20-18.50N</td> <td style="width: 25%;">072-02.50E</td> <td style="width: 25%;">(b) 20-18.50N</td> <td style="width: 25%;">072-15.00E</td> </tr> <tr> <td>(c) 20-09.50N</td> <td>072-12.00E</td> <td>(d) 20-09.50N</td> <td>072-00.00E</td> </tr> </table> <p>2. Safe flying height 1600 metres. 3. Cancel this MSG 240730 UTC Mar 13.</p>	(a) 20-18.50N	072-02.50E	(b) 20-18.50N	072-15.00E	(c) 20-09.50N	072-12.00E	(d) 20-09.50N	072-00.00E
(a) 20-18.50N	072-02.50E	(b) 20-18.50N	072-15.00E					
(c) 20-09.50N	072-12.00E	(d) 20-09.50N	072-00.00E					
<p><b>158. Cancel NAVAREA VIII 151/13 and this MSG.</b></p>								
<p><b>159. Cancel NAVAREA VIII 121/13 and this MSG.</b> Section VI of INM edition 06/13 refers.</p>								
<p><b>160. India West Coast – off Mumbai.</b> Charts 21 22 211 255 292 2016 INT 71 INT 72. SCI 02 and FC Rija are undertaking salvage operation of sunken object in vicinity 18-50.4N 072-44.5E</p> <p>2. All vessels transiting through the area are requested to give wide berth and navigate with extreme caution.</p>								
<p><b>161. NAVAREA VIII – Messages in force as on 221001 UTC Mar 13:</b> <b>2012 Series</b> – 465 519 531 537 596 657 661 662 <b>2013 Series</b> – 003 007 008 012 026 035 036 046 055 070 090 091 094 106 111 115 129 134 135 137 142 147 148 149 152 157 160</p> <p>(a) Navarea VIII warnings less than 42 days old (090/13 onward) are promulgated via SafetyNET. (b) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in (c) Texts of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.</p> <p>2. Cancel this MSG 281001 UTC Mar 13.</p>								
<p><b>162. Cancel NAVAREA VIII 157/13. India West Coast – Gulf of Khambhat.</b> Charts 21 209 210 254 292 INT 71. Firing practice by Coast Guard aircraft from 0230 UTC to 0630 UTC on 24 and 25 Mar 13 in area bounded by:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(a) 20-18.50N</td> <td style="width: 25%;">072-02.50E</td> <td style="width: 25%;">(b) 20-18.50N</td> <td style="width: 25%;">072-15.00E</td> </tr> <tr> <td>(c) 20-09.50N</td> <td>072-12.00E</td> <td>(d) 20-09.50N</td> <td>072-00.00E</td> </tr> </table> <p>2. Safe flying height 1600 metres. 3. Cancel this MSG 250730 UTC Mar 13.</p>	(a) 20-18.50N	072-02.50E	(b) 20-18.50N	072-15.00E	(c) 20-09.50N	072-12.00E	(d) 20-09.50N	072-00.00E
(a) 20-18.50N	072-02.50E	(b) 20-18.50N	072-15.00E					
(c) 20-09.50N	072-12.00E	(d) 20-09.50N	072-00.00E					
<p><b>163. India East Coast – Gopalpur.</b> Charts 31 352 353 391 3005 INT 706. Firing by army between 2330 UTC to 1800 UTC from 01 Apr to 04 Apr, 07 Apr to 10 Apr, 14 Apr to 20 Apr and 28 Apr to 01 May 13 in area bounded by:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(a) 19-14.60N</td> <td style="width: 25%;">084-53.70E</td> <td style="width: 25%;">(b) 19-37.05N</td> <td style="width: 25%;">085-27.87E</td> </tr> <tr> <td>(c) 18-46.05N</td> <td>085-22.87E</td> <td colspan="2">and arc of 41 NM radius joining point (b) and (c).</td> </tr> </table> <p>2. Safe flying height 6100 metres. 3. Cancel this MSG 011900 UTC May 13.</p>	(a) 19-14.60N	084-53.70E	(b) 19-37.05N	085-27.87E	(c) 18-46.05N	085-22.87E	and arc of 41 NM radius joining point (b) and (c).	
(a) 19-14.60N	084-53.70E	(b) 19-37.05N	085-27.87E					
(c) 18-46.05N	085-22.87E	and arc of 41 NM radius joining point (b) and (c).						
<p><b>164. India East Coast – Bay of Bengal.</b> Charts 32 33 356 INT 71 INT 706. Firing practice by Naval aircraft between 0230 UTC to 1130 UTC from 01 Apr to 07 Apr and 15 Apr to 21 Apr 13.</p> <p>2. Danger zone 15 NM radius around 13-50N 081-40E. 3. Safe flying height 3500 metres. 4. Cancel this MSG 211230 UTC Apr 13.</p>								
<p><b>165. Indian Ocean – off Reunion Island.</b> Charts INT 70 INT 71 INT 72 INT 702 INT 735. Naval Gunnery exercise between 0200 UTC to 1900 UTC till 05 Apr 13 in area bounded by:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(a) 21-12.0S</td> <td style="width: 25%;">054-57.0E</td> <td style="width: 25%;">(b) 21-26.0S</td> <td style="width: 25%;">055-02.5E</td> </tr> <tr> <td>(c) 21-31.2S</td> <td>054-47.4E</td> <td>(d) 21-17.2S</td> <td>054-42.0E</td> </tr> </table> <p>2. Safe flying height 14100 metres. 3. Cancel this MSG 082100 UTC Apr 13.</p>	(a) 21-12.0S	054-57.0E	(b) 21-26.0S	055-02.5E	(c) 21-31.2S	054-47.4E	(d) 21-17.2S	054-42.0E
(a) 21-12.0S	054-57.0E	(b) 21-26.0S	055-02.5E					
(c) 21-31.2S	054-47.4E	(d) 21-17.2S	054-42.0E					

<p><b>166. India West Coast – off Okha.</b> Charts 21 203 291 INT 71 INT 705. Survey Vessel Geowave Commander will carry out seismic survey till 05 Apr 13 in area bounded by:</p> <table border="0"> <tr> <td>(a)</td> <td>22-41.50N</td> <td>068-44.60E</td> <td>(b)</td> <td>22-58.35N</td> <td>068-44.60E</td> </tr> <tr> <td>(c)</td> <td>22-58.35N</td> <td>067-53.60E</td> <td>(d)</td> <td>22-44.10N</td> <td>067-53.51E</td> </tr> <tr> <td>(e)</td> <td>22-41.70N</td> <td>067-45.90E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. The vessel will be towing 04 streamers of length 8000 metres. each trailing end attached to tail buoy with radar reflectors and white flashing lights spread over a width of 600 metres.</p> <p>3. Wide berth of 04 NM around the vessel requested.</p> <p>4. Cancel this message 060001 UTC Apr 13.</p>	(a)	22-41.50N	068-44.60E	(b)	22-58.35N	068-44.60E	(c)	22-58.35N	067-53.60E	(d)	22-44.10N	067-53.51E	(e)	22-41.70N	067-45.90E			
(a)	22-41.50N	068-44.60E	(b)	22-58.35N	068-44.60E													
(c)	22-58.35N	067-53.60E	(d)	22-44.10N	067-53.51E													
(e)	22-41.70N	067-45.90E																
<p><b>167. India West Coast – off Jakhau.</b> Charts 21 291 INT 71 INT 705. Fishing boat Shri Raj reported sunk in vicinity 23-20.25N 067-57.75E at 251757 UTC Mar 13.</p> <p>2. Caution advised.</p>																		
<p><b>168. Indian West Coast – off Alleppey.</b> CHARTS 22 259 260 INT 71. Unmanned partially submerged blue and white coloured fishing boat reported adrift in vicinity 09-31.95N 075-58.83E at 260945 UTC Mar 13.</p> <p>2. Caution advised.</p> <p>3. Cancel this MSG 290945 UTC Mar 13.</p>																		
<p><b>169. India West Coast – Eight Degree Channel.</b> Charts 22 INT 71 INT 72. Piracy. Possible mothership activity reported by M/V Sea Pioneer in vicinity 07-40.10N 074-14.50E</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p> <p>3. Cancel this MSG 310500 UTC Mar 13.</p>																		
<p><b>170. India Andaman Sea – Car Nicobar Island.</b> Charts 33 41 407 472 INT 706. Keating Point DGPS will remain off air from 0230 UTC to 1230 UTC on 04 Apr 13</p> <p>2. CANCEL this MSG 041330 UTC Apr 13.</p>																		
<p><b>171. India West Coast – Approaches to Kandla.</b> Charts 21 203 2017 2018 2027 2059 2080 INT 71. Hydrographic survey will be carried out from 29 Mar 13 to 05 May 13 in area bounded by:</p> <table border="0"> <tr> <td>(a)</td> <td>22-42.00N</td> <td>070-02.20E</td> <td>(b)</td> <td>22-42.00N</td> <td>070-17.00E</td> </tr> <tr> <td>(c)</td> <td>23-02.20N</td> <td>070-17.00E</td> <td>(d)</td> <td>23-02.20N</td> <td>070-02.20E</td> </tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 060001 UTC May 13.</p>	(a)	22-42.00N	070-02.20E	(b)	22-42.00N	070-17.00E	(c)	23-02.20N	070-17.00E	(d)	23-02.20N	070-02.20E						
(a)	22-42.00N	070-02.20E	(b)	22-42.00N	070-17.00E													
(c)	23-02.20N	070-17.00E	(d)	23-02.20N	070-02.20E													
<p><b>172. NAVAREA VIII – Messages in force as on 281002 UTC Mar 13:</b></p> <p><b>2012 SERIES</b> – 465 519 531 537 596 657 661 662</p> <p><b>2013 SERIES</b> – 003 007 008 012 026 035 036 046 055 070 090 091 094 106 111 115 129 135 137 142 147 148 149 152 160 163 164 165 166 167 168 169 170 171</p> <p>(a) NAVAREA VIII warnings less than 42 days old (094/13 onward) are promulgated via SafetyNET.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a></p> <p>(c) Texts of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.</p> <p>2. Cancel this MSG 051001 UTC Apr 13.</p>																		
<p><b>173. Cancel NAVAREA VIII 169/13 and this MSG.</b> Reported pirate mother ship since identified as benign fishing vessel.</p>																		
<p><b>174. Andaman Sea – off Port Blair.</b> Charts 41 404 405 473 4006 4016 INT 706. Firing practice by Naval Coast Battery from 0730 UTC to 1130 UTC on 03 Apr 13 in area bounded by:</p> <table border="0"> <tr> <td>(a)</td> <td>11-39.7N</td> <td>092-46.3E</td> <td>(b)</td> <td>11-40.6N</td> <td>092-47.0E</td> </tr> <tr> <td>(c)</td> <td>11-38.7N</td> <td>092-53.1E</td> <td>(d)</td> <td>11-32.9N</td> <td>092-48.3E</td> </tr> </table> <p>2. Safe flying height 5000 metres.</p> <p>3. Cancel this MSG 031230 UTC Mar 13.</p>	(a)	11-39.7N	092-46.3E	(b)	11-40.6N	092-47.0E	(c)	11-38.7N	092-53.1E	(d)	11-32.9N	092-48.3E						
(a)	11-39.7N	092-46.3E	(b)	11-40.6N	092-47.0E													
(c)	11-38.7N	092-53.1E	(d)	11-32.9N	092-48.3E													
<p><b>175. Andaman Sea – Great Channel.</b> Chart 41 471 INT 71 INT 706. Man overboard reported by Asian Progress IV in vicinity 06-09.2N 094-09.1E at 290001 UTC Mar 13.</p> <p>2. Vessels transiting through the area to keep sharp look out and render assistance.</p>																		

6.1

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

- NIL -







**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2005**

*(Last correction: Edition No. 16 dated 16Sep 2011)*

**PAGE 37, MALAYSIA, PENINSULAR, PUTRAJAYA MRCC (9MHF2).**

*Delete and replace by:*

<b>PUTRAJAYA MRCC (9MHF2)</b>		<b>02°59'N 101°40'E</b>	
MMSI 005330108		DSC VHF	
 Putrajaya MRCC: +60 3 89413140		 Putrajaya MRCC: +60 3 89413129	
		e-mail: mrocputrajaya@mmea.gov.my (MRCC Putrajaya& MRSC Johor Bahru) mrscckwilsab@ymail.com (MRSC Kota Kinabalu) opsroomwiltim@mmea.gov.my (MRSC Kuantan) mrscwilswk@mmea.gov.my (MRSC Kuching) opsroomwiluta@mmea.gov.my (MRSC Langkawi)	
Associated MRSC DSC VHF MMSI and voice callsign in brackets	<b>Peninsular Malaysia</b>		<b>Sabah &amp; Sarwak</b>
	Johor Bahru MRSC: MMSI 005330035 (9MHE6) Kuantan MRSC: MMSI 005330045 (9MHE9) Langkawi MRSC: MMSI 005330025 (9MHE5)	Kota Kinabalu MRSC: MMSI 005330055 (9MHE7) Kuching MRSC: MMSI 005330075 (9MHE8)	
 Johor Bahru MRSC: +60 7 2219231 (Operations Room) Kota Kinabalu MRSC: +60 8 8429803 & 8425073 Kuantan MRSC: +60 9 5734066& 5735587 (Operations Room) +60 9 5717368 (General Communications) Kuching MRSC: +60 8 2367943 Langkawi MRSC: +60 4 9665307	 Johor Bahru MRSC: +60 7 2224739 (Operations Room) Kota Kinabalu MRSC: +60 8 8427075 & 8384164 Kuantan MRSC: +60 9 5738476 Kuching MRSC: +60 8 2364941 Langkawi MRSC: +60 4 9669543		
The Malaysian Maritime Enforcement Agency (MMEA) is responsible for co-ordinating Search and Rescue operations. Additional radio watch-keeping on international Distress frequencies, including DSC VHF and MF, are maintained by a network of remote stations under the control of Penang Radio (9MG). The areas covered include the Malaysian Peninsular, Sabah and Sarawak.			
<b>BA 13/13</b>			<b>07/13</b>

**INP 31(2), 2007**

*(Last correction: Edition No. 06 dated 16 Mar 13)*

**PAGE 34, SRI LANKA,**

*Insert before Dondra Head Lt Racon,*

<b>Great Basses Reef Lt Racon</b>	<b>06°11'-01N 81°28'-86E</b>	<b>79490</b>
10 cm	<b>O</b>	
<b>(BA 13/13)</b>		<b>(07/13)</b>

**INP 31(5), 2011***(Last correction: Edition No. 19 dated 01 Oct12)***PAGE 173, Chapter 10, DISTRESS, SEARCH AND RESCUE, MALAYSIA, Contact tables.***Delete and replace by:*

	<b>Telephone+60</b>	<b>Fax+60</b>	<b>Others</b>
MalaysianMaritimeCommunications Centre(MMCC)Malaysia	331670530H24 331695100Office hours0800-1700LT	331671334H24 331685020Office hours0800-1700LT	<b>email</b> mcc@marine.gov.my
KUALALUMPURCC (Cospas-Sarsat SPOC)	378465859 378465860 378465233	378466839	<b>AFTN</b> MMKCYX
MRCPUTRAJAYA	389413140	389413129	<b>email</b> mrcputrajaya@mmea.gov.my

**PeninsularMalaysia**

	<b>Telephone+60</b>	<b>Fax+60</b>	<b>Others</b>
MRSCJOHORBAHRU (OperationsRoom)	72219231	72224739	<b>email</b> mrcputrajaya@mmea.gov.my
MRSCKuantan	95717368 (Generalline) 95734066 95735587 (OpsRoom)	95738476	<b>email</b> opsroomwiltim@mmea.gov.my
MRSCLANGKAWI	49665307	49669543	<b>email</b> opsroomwiluta@mmea.gov.my

**SabahandSarawak**

	<b>Telephone+60</b>	<b>Fax+60</b>	<b>Others</b>
MRSCKOTAKINABALU	88429803 88425073	88427075 88384164	<b>email</b> mrsckwilsab@ymail.com
MRSCKUCHING	82367943	82364941	<b>email</b> mrsckwilsk@mmea.gov.my
<b>BA 13/13</b>			<b>07/13</b>

**INP 31(6), 2012***(Last correction: Edition No. 05 dated 01 Mar 13)***NIL**



## **SECTION – IX**

### **REPORTING OF NAVIGATIONAL DANGERS**

#### **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,  
Dehradun - 248001  
(UTTARAKHAND), INDIA  
e-mail: - inho-navy@nic.in, msis-inho-navy@nic.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.nic.in

#### **Instructions for filling up IH 102**

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. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/Everest/Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

#### **Depth Reporting**

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the 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 made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102 A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

*Please Note:* - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.

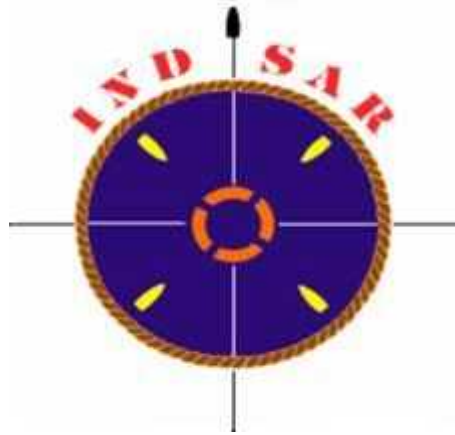


<b>HYDROGRAPHIC NOTE</b>		<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues			
Date		Ref. Number	
Name of the Ship or Sender			
Address			
Tel/FAX/E-mail address			
Observation Date		Time (UTC/IST)	
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. Aids
	<input type="checkbox"/> Designated Areas	<input type="checkbox"/> Others	
Geographical Position (See Instructions Overleaf)	Latitude		Longitude
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar <input type="checkbox"/> Others
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others
Charts Affected		Edition	
Latest Edition of Indian Notices to Mariners Held			
Tracing/Plot/Photograph if enclosed			
ENCs Affected			
Latest Update Disk Held			
Publication Affected		Edition	
Page No./Light No. etc			
Details:			
Limitations if any in Reporting the Changes Above			
Details of Documents/Photos attached:			
Signature of the Master/Reporter/Observer			

<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
<b>1. NAME OF PORT</b>			
Location	Latitude		Longitude
<b>2. GENERAL REMARKS</b>			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
<b>3. ANCHORAGES</b>			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
<b>4. PILOTAGE</b>			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
<b>5. DIRECTIONS</b>			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
<b>6. POLLUTION CONTROL</b>			
Local regulation in force (If Any)			
<b>7. TUGS</b>			
Number available / Tug type			
Maximum HP / Bollard pull			

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
<b>17. PORT AUTHORITY</b>	
Designation, Address, Telephone, E-mail Address and Website	
<b>18. SECURITY</b>	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
<b>19. SMALL CRAFT FACILITIES</b>	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
<b>20. SHORT LEAVE</b>	
<b>21. CLUBS RECREATION</b>	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
<b>22. VIEWS</b>	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
<b>23. ADDITIONAL DETAILS</b>	
Any other information considered to be useful for the mariners	
<b>SIGNATURE OF THE OBSERVER / REPORTER / MASTER</b>	



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

**INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)**

**AFTN: VABBYXYC**