



# INDIAN NOTICES TO MARINERS



EDITION NO. 01 DATED 01 JAN 2013

(CONTAINS NOTICES 031 TO 043)

**NATIONAL HYDROGRAPHIC OFFICE WISHES ALL MARINERS A HAPPY NEW YEAR 2013**

**REACH US 24 x 7**



incho-navy@nic.in  
msis-incho-navy@nic.in



+91-135-2748373



National Hydrographic Office  
107-A, Rajpur Road  
Dehradun – 248001  
INDIA



Joint Director of Hydrography  
Maritime Safety Information Services  
+91- 135 - 2747360-65

**WWW**

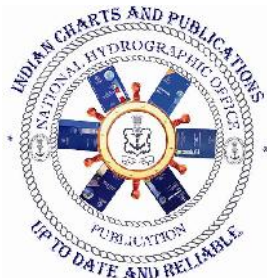
[www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

## 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 in force
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)

**FEEDBACK:** [msis-incho-navy@nic.in](mailto:msis-incho-navy@nic.in)



INSIST ON INDIAN CHARTS AND  
PUBLICATIONS  
Original, Authentic and Up-to-Date



© Govt. of India Copyright

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

## 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 overloading 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'S AND PUBLICATION

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
4163	30-11-2012	<b>APPROACHES TO CHOWRA ISLAND</b> <u>Limits</u> 08° 22'.30N; 92° 55'.00E. 08° 31'.10N; 93° 08'.40E.	25,000	6	Rs. 1870.00
4164	30-11-2012	<b>TARASA DWIP</b> <u>Limits</u> 08° 10'.00N; 93° 03'.20E. 08° 23'.40N; 93° 12'.00E.	25,000	6	Rs. 1870.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2027	15-11-2012	<b>ROZI ANCHORAGE</b> <u>Limits</u> 22° 29'.70N; 69° 57'.00E. 22° 43'.00N; 70° 06'.50E.	25,000	2	Rs. 1870.00

3. The Indian Chart permanently withdrawn is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
2027	30-06-2009	ROZI ANCHORAGE	2027	15-11-2012

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

NIL

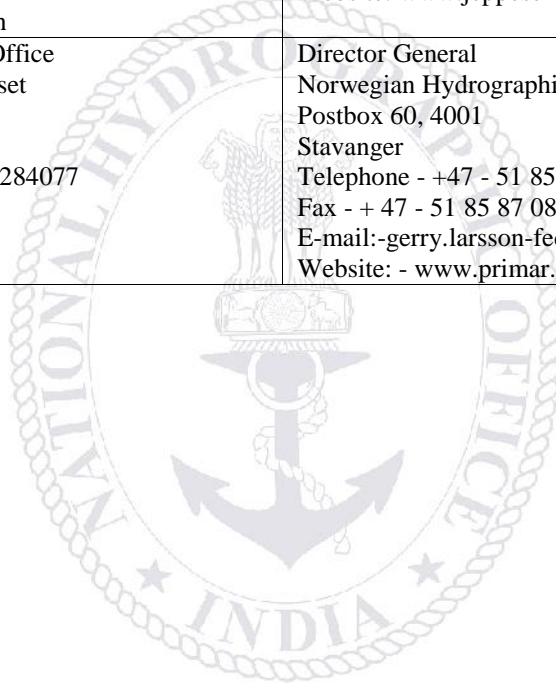
5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
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

**Availability of ENC's.**

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's 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>The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248001 Uttarakhand, India Tele: +91-135- 2747365, Fax: +91-135-2748373 Email: inho-navy@nic.in msis-inho-navy@nic.in sales-inho-navy@nic.in Website: www.hydrobharat.nic.in</p>	<p>Director, M/s JEPPESEN Norway AS PO Box 212 N-4379 Egersund Norway Tel: +47-51- 464 700 Fax: +47-51-464 701 Mob : +91-9322 238 542 Email: enc@jeppesen.com, info@c-map.co.in Website: www.jeppesen.com</p>
<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: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk</p>	<p>Director General Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-gerry.larsson-fedde@statkart.no Website: - www.primar.org</p>



## TEMPORARY AND PRELIMINARY NOTICES

*In Force 01 Jan 2013*

*(Former In Force List dated 01 Oct 2012 is cancelled)*

---

### Cancelled Notices

<b>Area</b>	<b>Notice No.</b>
1	298/10, 053/11.
2	073/10, 153/11, 218/11, 236/11, 119/12, 126/12, 149/12, 168/12, 198/12, 213/12, 256/12, 268/12, 270/12, 286/12.
3	185/09, 037/10, 124/11, 144/11, 116/12, 143/12, 150/12, 167/12, 184/12, 211/12.
4	Nil.

---

#### 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.
244/12	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.
250/12	2034.	INDIA – WEST COAST – Hazira Port – Port Development. Dredging. Buoys.
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.



## VIII

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

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.
036/13	2019 – 2101.	INDIA – WEST COAST – Approaches to Hazira, Essar Jetty – Buoys. Beacons. Turning circle.
037/13	2016 (INT 7336) – 2015 (INT 7337) – 2001 – 2076 (INT 7338).	INDIA – WEST COAST – Mumbai Harbour – Dredging Operation. Dumping Ground.
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.
040/13	215 – 216 – 2008 – 2010.	INDIA – WEST COAST – Karwar Naval Harbour – Beacon light. Transit marks.
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.

### 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.



## IX

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

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.
243/12	31 – 32(INT 754) – 33 – 41(INT 757) – 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.
259/12	31 – 32 (INT754) – 33 – 308 – 352(INT7416) – 354(INT7408) – 355(INT7405) – 357(INT7397) – 391.	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
271/12	22 – 31 – 33 – 41(INT 757) – 321 (INT 71) – 371 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	MYANMAR COAST – Restricted Area. Platforms.
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.

### 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 031 to 043 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	039 (T)
22 (INT 752)	3	033, 039 (T)
23	1	042 (T)
31	5	042 (T)
33	5	042 (T)
41 (INT 757)	6	043 (P)
203 (INT 7319)	2	031
208	2	032
211	3	039 (T)
215	3	040 (P)
216	3	040 (P)
254 (INT 7331)	2	032
255 (INT 7334)	3	039 (T)
257 (INT 7343)	3	033
272	4	033
292 (INT 7021)	2	039 (T)
293 (INT 7022)	3	033, 039 (T)
2001	3	037 (T)
2004 (INT 7359)	3	041 (P)
2008	3	040 (P)
2010	3	040 (P)
2015 (INT 7337)	3	037 (T)
2016 (INT 7336)	3	037 (T), 039 (T)
2017	2	031
2019	2	036 (P)
2029 (INT 7358)	3	041 (P)
2039	2	032
2045 (INT 7360)	3	041 (P)
2065	3	038 (T)
2076 (INT 7338)	3	037 (T)
2078 (INT 7346)	3	034
2080	2	031
2101	2	036 (P)
3004 (INT 7403)	5	035
7070 (INT 70)	1	042 (T)
7071 (INT 71)	1	033, 042 (T), 043 (P)
7072 (INT 72)	1	033, 042 (T)
7073 (INT 73)	1	033, 042 (T), 043 (P)
7702 (INT 702)	1	042 (T)
7703 (INT 703)	1	033, 042 (T)
7705 (INT 705)	1	033
7706 (INT 706)	1	033, 042 (T), 043 (P)
7707 (INT 707)	1	042 (T)
7708 (INT 708)	1	042 (T)

## SECTION – II

### PERMANENT NOTICES

**\*031/(01/13) INDIA – WEST COAST – Gulf of Kachchh – Navlakhi and Approaches – Light. Racon.**

Source: DLL Jamnagar.

**Chart 203 (INT 7319) (Inset) [previous update 252/12]**

Insert		Racon (B) Fl(3)10s30m12M	22° 57'.62N., 70° 26'.64E.
Delete		Racon (B) Fl(3)10s25m12M	22° 57'.59N., 70° 26'.66E.

**Chart 2080 [previous update 252/12]**

Insert		Racon (B) Fl(3)10s30m12M	22° 57'.660N., 70° 26'.626E.
Delete		Racon (B) Fl(3)10s25m12M	22° 57'.650N., 70° 26'.670E.

**Chart 2017 [previous update 070/12]**

Insert		Racon (B) Fl(3)10s30m12M	22° 57'.660N., 70° 26'.626E.
Delete		Racon (B) Fl(3)10s25m12M	22° 57'.660N., 70° 26'.660E.

**\*032/(01/13) INDIA – WEST COAST – Gulf of Khambhat – Northern Portion – Foul. Accompanying Note.**

Source: NAVAREA VIII – 598/12, NHO.

**Chart 254 (INT 7331) [previous update 245/12]**

Insert	#	21° 36'.73N., 72° 28'.28E.
--------	---	----------------------------

**Chart 208 [previous update 253/12]**

Insert	#	21° 36'.73N., 72° 28'.28E.
	legend, “CHANGES IN DEPTHS (see Note)”, centered on:	21° 37'.60N., 72° 28'.40E.
	Accompanying note, “CHANGES IN DEPTHS”, centered on:	22° 11'.40N., 72° 13'.80E.

**Chart 2039 [previous update 245/12]**

Insert	#	21° 36'.72N., 72° 28'.30E.
--------	---	----------------------------

**\*033/(01/13) INDIA – WEST COAST – Malvan to Coondapoor – Depths. Legend.**

Source: IH – 102 INS Investigator.

**Chart 7071 (INT 71) [previous update 114/12]**

Insert	depth,	at:	13° 23'.65N., 73° 43'.09E.
Delete		Discoloured water (1919)	12° 10'.30N., 73° 21'.00E.
	depth,	at:	13° 23'.00N., 73° 43'.00E.

**Chart 7072 (INT 72) [previous update 276/12]**

Insert	depth,	at:	13° 23'.65N., 73° 43'.09E.
Delete	depth,	at:	13° 23'.00N., 73° 43'.00E.

**Chart 7073 (INT 73) [previous update 276/12]**

Insert	depth,	at:	13° 23'.65N., 73° 43'.09E.
Delete	depth,	at:	13° 23'.00N., 73° 43'.00E.

**\*033/(01/13) INDIA – WEST COAST – Malvan to Coondapoor – Depths. Legend. (Continued)****Chart 7703 (INT 703)** [previous update 276/12]

Insert depth, ~~38~~ at: 13° 23′.65N., 73° 43′.09E.  
 Substitute depth, ~~400~~ for ~~419~~ at: 11° 43′.20N., 73° 01′.20E.  
 Delete depth, ~~36~~ at: 13° 23′.00N., 73° 43′.00E.

**Chart 7705 (INT 705)** [previous update 276/12]

Insert depth, ~~38~~ at: 13° 23′.65N., 73° 43′.09E.  
 Substitute depth, ~~400~~ for ~~419~~ at: 11° 43′.20N., 73° 01′.20E.  
 Delete depth, ~~36~~ at: 13° 23′.00N., 73° 43′.00E.

**Chart 7706 (INT 706)** [previous update 276/12]

Insert depth, ~~38~~ at: 13° 23′.65N., 73° 43′.09E.  
 Substitute depth, ~~400~~ for ~~419~~ at: 11° 43′.20N., 73° 01′.20E.  
 Delete depth, ~~36~~ at: 13° 23′.00N., 73° 43′.00E.

**Chart 22 (INT 752)** [previous update 262/12]

Insert depth, ~~38~~ at: 13° 23′.65N., 73° 43′.09E.  
 Substitute depth, ~~400~~ for ~~419~~ Rep, at: 11° 43′.20N., 73° 01′.20E.  
 Delete depth, ~~36~~ Rep (1966), at: 13° 23′.00N., 73° 43′.50E.

**Chart 293 (INT 7022)** [previous update 273/12]

Insert depth, ~~38~~ at: 13° 23′.65N., 73° 43′.09E.  
 Delete depth, ~~36~~ Rep (1966), at: 13° 23′.00N., 73° 43′.50E.

**Chart 272** [previous update 273/12]

Insert depth, 38 m enclosed by 50 m contour, at: 13° 23′.65N., 73° 43′.09E.  
 Delete depth, ~~36~~ Rep (1966) at: 13° 21′.80N., 73° 43′.90E.

**Chart 268 (INT 7353)** [previous update 275/12]

Delete legend, Rep (1975) centered on: 11° 42′.40N., 73° 02′.50E.

**Chart 257 (INT 7343)** [previous update 262/12]

Insert depth, ~~38~~ at: 13° 23′.65N., 73° 43′.09E.  
 Delete depth, ~~36~~ Rep (1966) at: 13° 23′.00N., 73° 43′.46E.

**\*034/(01/13) INDIA – WEST COAST – Port of Mormugao – Dolphin.**

Source: NHO Dehradun.

**Chart 2078 (INT 7346)** [previous update 261/12]

Amend dolphin name to, MD-1 15° 24′.590N., 73° 48′.515E.

**\*035/(01/13) INDIA – EAST COAST – Chennai Harbour – Buoy.**

Source: Chennai Port Trust.

**Chart 3004 (INT 7403)** [previous update 278/12]

Insert  No.2 13° 07′.75N., 80° 21′.33E.

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

**\*036(P)/(01/13) INDIA – WEST COAST – Approaches to Hazira – Buoys, Beacons, Turning Circle.**

Source: Essar Bulk Terminal Limited, Hazira.

1. Following buoys/beacons are being laid to mark the channel:

Buoy/Beacon No.	Position	Characteristics	Remarks
Fairway Buoy	21°01'.12N., 72°39'.25E	Fl10s	
SR 03 (Buoy)	21°01'.71N., 72°39'.28E	Fl(2)G5s	Channel buoys
SR 04 (Buoy)	21°01'.78N., 72°39'.03E	Fl(2)R5s	---- do ---
SR 05 (Buoy)	21°02'.10N., 72°39'.36E	FlG5s	---- do ---
SR 06 (Buoy)	21°02'.19N., 72°39'.14E	FlR5s	---- do ---
SR 07 (Beacon)	21°02'.61N., 72°39'.51E	FlG10s	---- do ---
SR 08 (Buoy)	21°02'.65N., 72°39'.30E	FlR10s	---- do ---
SR 09 (Beacon)	21°02'.98N., 72°39'.60E	FlG5s	---- do ---
SR 11 (Beacon)	21°03'.40N., 72°39'.70E	Fl(2)G10s	---- do ---
SR 12 (Buoy)	21°03'.45N., 72°39'.50E	Fl(2)R10s	---- do ---
SR 15 (Beacon)	21°04'.43N., 72°39'.72E	FlG5s	---- do ---
SR 16 (Buoy)	21°04'.43N., 72°39'.53E	FlR5s	---- do ---
SR 17 (Beacon)	21°04'.86N., 72°39'.72E	FlG10s	---- do ---
SR 19 (Beacon)	21°05'.36N., 72°39'.72E	Fl(2)G5s	---- do ---
SR 20 (Buoy)	21°05'.36N., 72°39'.53E	Fl(2)R5s	---- do ---
TC 01	21°05'.47N., 72°39'.77E	FlY4s	Turning circle buoys
TC 02	21°05'.62N., 72°39'.83E	FlY4s	---- do ---
TC 03	21°05'.78N., 72°39'.70E	FlY4s	---- do ---

2. All positions are referred to WGS84 datum.

**Former INM 256(P)/12 is cancelled.**

**Charts affected – 2019 – 2101.**

**\*037(T)/(01/13) INDIA – WEST COAST – Mumbai Harbour – Dredging Operation. Dumping Ground.**

Source: Mumbai Port Trust.

1. 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

2. The dredged material will be dumped at dumping ground in position 18°55'.00N 72°42'.00E.

**Former INM 073(T)/10 is cancelled.**

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

**\*038(T)/(01/13) INDIA – WEST COAST – Port Dabhol – Buoy.**

Source: RGPPL, Dabhol.

1. Buoy No. 2 reported missing.

**Former INM 119(T)/12 is cancelled.**

**Charts Affected – 2065.**

**\*039(T)/(01/13) INDIA – WEST COAST – Inner Approaches to Mumbai – Wreck Marking Buoys.**

Source: NAVAREA VIII - 380/10 &amp; 464/12, DLL Jamnagar &amp; HQWNC.

1. Following wreck marking buoys reported unlit/missing:

Sl. No.	Name	Position	Casualty
01	UPCO III	18° 51' .50N, 72° 41' .27E	Unlit
*02	MV RAK Carrier	18° 46' .72N, 72° 29' .18E	Superstructure missing

2. \* Indicates new or revised entry

**Former INM 153(T)/11 is cancelled.****Charts Affected: 21 – 22 (INT 752) – 255 (INT 7334) – 211 – 292 (INT 7021) – 293 (INT 7022) – 2016 (INT 7336).****\*040(P)/(01/13) INDIA – WEST COAST – Karwar Naval Harbour – Beacon lights. Transit marks.**

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

1. Installation of following Navaids for Karwar Naval Harbour being undertaken post monsoon:

- (a) Beacon Lights:-

Beacon Light	Position
*Spur break water	14° 45' .21N., 74° 07' .36E.
Kwada Island	14° 44' .07N., 74° 09' .87E.
Work Harbour South Breakwater	14° 45' .04N., 74° 09' .94E.
Round Island	14° 45' .50N., 74° 07' .67E.

- (b) Transit Marks:-

Transit Mark	Position
*Forward	14° 46' .533N., 74° 07' .495E.
Aft	14° 46' .763N., 74° 07' .495E.

2. \* Indicates new or revised entry.

3. All positions referred to WGS84 datum.

**Former INM 268(P)/12 is cancelled.****Chart Affected – 215 – 216 – 2008 – 2010.****\*041 (P)/(01/12) INDIA – WEST COAST – Port of Kochi – Kochi Harbour – Dredging. Channel Limit. Jetty.**

Source: Kochi Port, HQSNC.

1. The outer approach channel of Kochi Port has been extended approximately by 03NM. Dredging is in progress for deepening and widening of outer channel. New buoys are positioned to coincide with the extension/widening of approach channel.

2. Dredging is in progress North of Ernakulam Channel near LNG jetty bounded by following co-ordinates:

09°58'.17N., 76°13'.24E
09°58'.22N., 76°13'.49E
09°58'.30N., 76°13'.55E
09°58'.35N., 76°13'.63E
09°58'.39N., 76°13'.71E
09°58'.44N., 76°13'.81E
09°58'.22N., 76°13'.94E

- \*3. Extension of South Naval Jetty Berth is in progress bounded by following coordinates:

09°57'.190N., 76°16'.921E
09°57'.186N., 76°16'.918E
09°56'.964N., 76°17'.039E
09°56'.968N., 76°17'.043E

4. \* Indicates new or revised entry

**Former INM 126 (P)/12 is cancelled.****Charts Affected – 2004(INT7359) – 2029 (INT 7358) – 2045(INT7360).**



**042(T)/(01/13) INDIAN OCEAN – Data Buoys.**

Source: BA Notice – 5559(T)/12.

- The National Oceanic and Atmospheric Administration (NOAA) maintains an array of light-buoys called Autonomous Temperature Line Acquisition System (ATLAS) in the Indian Ocean.
- The ATLAS buoys, yellow, 2 metre toroid buoys with radar reflectors, which make up the array are located in the following positions:

Position	Charts Affected
24° 47'·20S., 99° 56'·50E.	7070 (INT 70), 7073 (INT 73), 7708 (INT 708)
11° 53'·50S., 93° 15'·20E.	7070 (INT 70), 7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
14° 58'·70N., 89° 55'·90E.	31, 7071 (INT 71), 7073 (INT 73), 7706 (INT 706)
12° 04'·90N., 88° 50'·30E.	33, 7071 (INT 71), 7073 (INT 73), 7706 (INT 706)
07° 58'·40N., 88° 59'·70E.	33, 7071 (INT 71), 7073 (INT 73), 7706 (INT 706) , 7707 (INT 707)
03° 56'·80N., 89° 40'·00E.	7071 (INT 71), 7073 (INT 73), 7706 (INT 706) , 7707 (INT 707)
01° 33'·60N., 90° 02'·70E.	7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
00° 00'·90S., 89° 48'·20E.	7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
01° 29'·60N., 80° 33'·40E.	23, 7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
00° 04'·30N., 80° 30'·70E.	7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
01° 31'·30S., 80° 30'·80E.	7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
04° 01'·30S., 79° 27'·00E.	7070 (INT 70), 7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
07° 59'·50S., 80° 26'·00E.	7070 (INT 70), 7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
11° 59'·30S., . 80° 32'·90E.	7070 (INT 70), 7071 (INT 71), 7073 (INT 73), 7707 (INT 707)
16° 01'·00S., 80° 27'·70E.	7070 (INT 70), 7071 (INT 71), 7073 (INT 73)
04° 00'·30S., 67° 13'·90E.	7070 (INT 70), 7071 (INT 71), 7072 (INT 72), 7073 (INT 73), 7702 (INT 702), 7703 (INT 703)
08° 05'·50S., 66° 56'·10E.	7070 (INT 70), 7071 (INT 71), 7072 (INT 72), 7073 (INT 73)
12° 11'·20S., 67° 14'·70E.	7070 (INT 70), 7071 (INT 71), 7072 (INT 72), 7073 (INT 73), 7702 (INT 702)
07° 53'·80S., 55° 04'·90E.	7070 (INT 70), 7071 (INT 71), 7072 (INT 72), 7703 (INT 703)
12° 02'·20S., 54° 57'·00E.	7070 (INT 70), 7071 (INT 71), 7072 (INT 72), 7702 (INT 702)
16° 03'·70S., 55° 00'·50E.	7070 (INT 70), 7071 (INT 71), 7072 (INT 72), 7702 (INT 702)

- All positions referred to WGS84 datum.
- Mariners are advised to give all light-buoys a 5 NM wide berth.

**Former INM 286(P)/12 is cancelled.**

**\*043(P)/(01/13) MYANMAR COAST – Restricted Area.**

Source: Myanmar Naval Hydrographic Centre.

- A restricted area has been established until 23 Dec 13 within an area bounded by the following positions. During this period, unauthorized navigation, anchoring, fishing and trawling are prohibited.

Point	Position
A	14° 30'·12N., 96° 05'·64E.
B	14° 17'·35N., 96° 15'·71E.
C	14° 11'·41N., 96° 15'·74E.
D	13° 54'·75N., 95° 49'·03E.
E	14° 01'·76N., 95° 41'·87E.
F	14° 15'·02N., 95° 42'·35E.
G	14° 30'·49N., 95° 58'·58E.
H	14° 30'·12N., 96° 05'·64E.

- All positions are in WGS 84 datum.

**Charts affected – 41 (INT 757) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).**



## **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: rpani246@gmail.com	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com
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: sales@bogerdmartin.com, sarmarin@vsnl.com	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: ewsbom@bom3.vsnl.net.in
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: ccmarine@bom5.vsnl.net.in	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: maritimeindia@airtelmail.in
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammappeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	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: raj_chakravorty@yahoo.com, info@c-map.co.in Website: www.c-map.co.in
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 : jmms@mtnl.net.in, charts@ mtnl.net.in	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : info@inspireship.com, pramod@inspireship.com
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungli Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924293, Cell: +91-9477444392 Email: sankar_roy342@yahoo.in	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: ashiskantha@gmiindia.in; Web: www.gmiindia.in

**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 in force as on 31 Dec 12.

**2012 SERIES** –387 464 465 519 531 537 547 574 577 596 598 606 628 633 657 659 660 661  
662 664 667 668 669 670 671 672 673 674

3. NAVAREA VIII Warnings issued during the period from 16 Dec to 31 Dec 12 (both dates inclusive) are as tabulated below: –

<p><b>643. Cancel NAVAREA VIII 619/12. India East Coast – Bay of Bengal. Charts 31 32 33 308 354 INT 71 INT 706.</b> Experimental flight trial scheduled from ITR launch complex between 0530 UTC to 1030 UTC from 17 to 18 Dec 12. Danger zone bounded by:</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 25%;">(a) 17-40.28N</td> <td style="width: 25%;">083-37.31E</td> <td style="width: 25%;">(b) 17-12.30N</td> <td style="width: 25%;">083-36.65E</td> </tr> <tr> <td>(c) 14-05.65N</td> <td>084-17.68E</td> <td>(d) 11-32.26N</td> <td>085-18.56E</td> </tr> <tr> <td>(e) 11-54.25N</td> <td>086-21.78E</td> <td>(f) 12-26.45N</td> <td>087-20.40E</td> </tr> <tr> <td>(g) 14-52.31N</td> <td>086-02.41E</td> <td>(h) 17-23.73N</td> <td>084-02.23E</td> </tr> <tr> <td>(j) 17-41.25N</td> <td>083-39.46E</td> <td></td> <td></td> </tr> </tbody> </table> <p>2. Caution advised. 3. Cancel this MSG 181130 UTC Dec 12.</p>	(a) 17-40.28N	083-37.31E	(b) 17-12.30N	083-36.65E	(c) 14-05.65N	084-17.68E	(d) 11-32.26N	085-18.56E	(e) 11-54.25N	086-21.78E	(f) 12-26.45N	087-20.40E	(g) 14-52.31N	086-02.41E	(h) 17-23.73N	084-02.23E	(j) 17-41.25N	083-39.46E		
(a) 17-40.28N	083-37.31E	(b) 17-12.30N	083-36.65E																	
(c) 14-05.65N	084-17.68E	(d) 11-32.26N	085-18.56E																	
(e) 11-54.25N	086-21.78E	(f) 12-26.45N	087-20.40E																	
(g) 14-52.31N	086-02.41E	(h) 17-23.73N	084-02.23E																	
(j) 17-41.25N	083-39.46E																			
<p><b>644. Cancel NAVAREA VIII 643/12. India East Coast – Bay of Bengal. Charts 31 32 33 308 354 INT 71 INT 706.</b> Experimental flight trial scheduled from ITR launch complex between 0530 UTC to 1030 UTC from 18 to 19 Dec 12. Danger zone bounded by:</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 25%;">(a) 17-40.28N</td> <td style="width: 25%;">083-37.31E</td> <td style="width: 25%;">(b) 17-12.30N</td> <td style="width: 25%;">083-36.65E</td> </tr> <tr> <td>(c) 14-05.65N</td> <td>084-17.68E</td> <td>(d) 11-32.26N</td> <td>085-18.56E</td> </tr> <tr> <td>(e) 11-54.25N</td> <td>086-21.78E</td> <td>(f) 12-26.45N</td> <td>087-20.40E</td> </tr> <tr> <td>(g) 14-52.31N</td> <td>086-02.41E</td> <td>(h) 17-23.73N</td> <td>084-02.23E</td> </tr> <tr> <td>(j) 17-41.25N</td> <td>083-39.46E</td> <td></td> <td></td> </tr> </tbody> </table> <p>2. Caution advised. 3. Cancel this MSG 191130 UTC Dec 12.</p>	(a) 17-40.28N	083-37.31E	(b) 17-12.30N	083-36.65E	(c) 14-05.65N	084-17.68E	(d) 11-32.26N	085-18.56E	(e) 11-54.25N	086-21.78E	(f) 12-26.45N	087-20.40E	(g) 14-52.31N	086-02.41E	(h) 17-23.73N	084-02.23E	(j) 17-41.25N	083-39.46E		
(a) 17-40.28N	083-37.31E	(b) 17-12.30N	083-36.65E																	
(c) 14-05.65N	084-17.68E	(d) 11-32.26N	085-18.56E																	
(e) 11-54.25N	086-21.78E	(f) 12-26.45N	087-20.40E																	
(g) 14-52.31N	086-02.41E	(h) 17-23.73N	084-02.23E																	
(j) 17-41.25N	083-39.46E																			
<p><b>645. India East Coast – Bay of Bengal. Charts 31 32 33 308 354 INT 71 INT 706.</b> Experimental flight trial scheduled from ITR launch complex between 0530 UTC to 1030 UTC daily from 26 Dec to 30 Dec 12. Danger zone bounded by:</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 25%;">(a) 17-40.28N</td> <td style="width: 25%;">083-37.31E</td> <td style="width: 25%;">(b) 17-12.30N</td> <td style="width: 25%;">083-36.65E</td> </tr> <tr> <td>(c) 14-05.65N</td> <td>084-17.68E</td> <td>(d) 11-32.26N</td> <td>085-18.56E</td> </tr> <tr> <td>(e) 11-54.25N</td> <td>086-21.78E</td> <td>(f) 12-26.45N</td> <td>087-20.40E</td> </tr> <tr> <td>(g) 14-52.31N</td> <td>086-02.41E</td> <td>(h) 17-23.73N</td> <td>084-02.23E</td> </tr> <tr> <td>(j) 17-41.25N</td> <td>083-39.46E</td> <td></td> <td></td> </tr> </tbody> </table> <p>2. Caution advised. 3. Cancel this MSG 301130 UTC Dec 12.</p>	(a) 17-40.28N	083-37.31E	(b) 17-12.30N	083-36.65E	(c) 14-05.65N	084-17.68E	(d) 11-32.26N	085-18.56E	(e) 11-54.25N	086-21.78E	(f) 12-26.45N	087-20.40E	(g) 14-52.31N	086-02.41E	(h) 17-23.73N	084-02.23E	(j) 17-41.25N	083-39.46E		
(a) 17-40.28N	083-37.31E	(b) 17-12.30N	083-36.65E																	
(c) 14-05.65N	084-17.68E	(d) 11-32.26N	085-18.56E																	
(e) 11-54.25N	086-21.78E	(f) 12-26.45N	087-20.40E																	
(g) 14-52.31N	086-02.41E	(h) 17-23.73N	084-02.23E																	
(j) 17-41.25N	083-39.46E																			
<p><b>646. India West Coast – Tellichery to Tanur Nagaram. Charts 22 32 219 220 259 273 INT 706.</b> Hydrographic survey will be carried out till 24 Dec 12 in area bounded by:</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 25%;">(a) 10-51.20N</td> <td style="width: 25%;">074-37.50E</td> <td style="width: 25%;">(b) 10-51.20N</td> <td style="width: 25%;">076-00.80E</td> </tr> <tr> <td>(c) 11-37.50N</td> <td>076-00.80E</td> <td>(d) 11-37.50N</td> <td>074-37.50E</td> </tr> </tbody> </table> <p>2. Caution advised. 3. Cancel this MSG 250001 UTC Dec 12.</p>	(a) 10-51.20N	074-37.50E	(b) 10-51.20N	076-00.80E	(c) 11-37.50N	076-00.80E	(d) 11-37.50N	074-37.50E												
(a) 10-51.20N	074-37.50E	(b) 10-51.20N	076-00.80E																	
(c) 11-37.50N	076-00.80E	(d) 11-37.50N	074-37.50E																	
<p><b>647. India East Coast – Gopalpur. Charts 31 352 353 391 3005 INT 706.</b> Firing practice by Army between 2330 UTC to 1130 UTC from 19 Dec to 21 Dec 12 in area bounded by:</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 25%;">(a) 19-14.60N</td> <td style="width: 25%;">084-53.70E</td> <td style="width: 25%;">(b) 19-12.61N</td> <td style="width: 25%;">084-51.56E</td> </tr> <tr> <td>(c) 19-37.05N</td> <td>085-27.87E</td> <td>(d) 18-46.05N</td> <td>085-22.87E</td> </tr> </tbody> </table> <p>2. Cancel this MSG 211230 UTC Dec 12.</p>	(a) 19-14.60N	084-53.70E	(b) 19-12.61N	084-51.56E	(c) 19-37.05N	085-27.87E	(d) 18-46.05N	085-22.87E												
(a) 19-14.60N	084-53.70E	(b) 19-12.61N	084-51.56E																	
(c) 19-37.05N	085-27.87E	(d) 18-46.05N	085-22.87E																	
<p><b>648. Cancel NAVAREA VIII 596/11, 708/11, 529/12 and this MSG.</b> INM 273/12, 272/12 section II and IV of INM edition 24/12 refers.</p>																				
<p><b>649. Cancel NAVAREA VIII 630/12 and this MSG.</b></p>																				



<b>650. India East Coast – off Gopalpur.</b> Charts 31 352 INT 706. Survey vessel Viking II will carry out 3D seismic data survey operations from 23 Dec 12 to 27 Jan 13 in area bounded by:			
(a)	19-17.43N	087-26.85E	(b) 19-21.63N 087-43.56E
(c)	19-01.80N	087-43.23E	(d) 19-01.08N 087-26.95E
2.	wide berth of 06 NM around the vessel requested.		
3.	Cancel this MSG 280001UTC Jan 13.		
<b>651. India West Coast – Gulf of Khambhat.</b> Charts 21 209 210 254 292 INT 705. Firing practice by Coast Guard aircraft from 270230 UTC to 271100 UTC Dec 12. Danger area bounded by:			
(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
2.	Safe flying height 1600 metres.		
3.	Cancel this MSG 271200 UTC Dec 12.		
<b>652. India East Coast – Chennai.</b> Charts 32 33 313 356 357 3001 3004 INT 706. Firing practice by Naval Coast Battery from position 13-07.02N 080-18.01E from 0530 UTC to 0730 UTC on 28 Dec 12.			
2.	Danger zone sector of 11 NM radius between 045 degree and 075 degree from gun position.		
3.	Safe flying height 12800 metres.		
4.	Cancel this MSG 280830 UTC Dec 12.		
<b>653. Andaman Sea – Gulf of Martaban.</b> Charts 41 INT 71 INT 73 INT 706. Drilling operation by Glen Affric till 23 Dec 13 in area bounded by:			
(a)	14-28.11N	096-05.64E	(b) 14-17.34N 096-13.70E
(c)	14-11.40N	096-13.73E	(d) 13-56.74N 095-49.02E
(e)	14-01.75N	095-43.86E	(f) 14-15.01N 095-44.35E
(g)	14-28.48N	095-58.56E	
2.	Wide berth of 03 NM around the area requested.		
3.	Cancel this MSG 240001 UTC Dec 13.		
<b>654. NAVAREA VIII – messages in force as on 211003 UTC Dec 12:</b>			
<b>2012 SERIES</b> –387 421 464 465 499 519 531 537 547 548 563 574 577 578 582 596			
598 604 606 628 633 637 640 641 642 645 646 647 650 651 652 653			
(a)	NAVAREA VIII warnings less than 42 days old (563/12 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.		
2.	Cancel this MSG 281003 UTC Dec 12.		
<b>655. India West Coast – Bassas De Pedro.</b> Charts 21 272 293 INT 705. MFB Jesus reported derelict and adrift in vicinity 13-04N 072-34E.			
2.	Cancel this MSG 241230 UTC Dec 12.		
<b>656. Indian Ocean – off Sumatera.</b> Charts INT 71 INT 73 INT 707. Derelict light grey coloured wooden Sri Lankan fishing vessel Mitchel Duwa (registration IMUL-A-2218 CHW) reported adrift in vicinity 07-53.45S 089-18.96E at 221230 UTC Dec 12.			
2.	Cancel this MSG 251230 UTC Dec 12.		
<b>657. Cancel NAVAREA VIII 499/12. INM 273/12 refers. India West Coast – Arabian Sea.</b> Charts 21 22 211 217 220 255 258 259 272 2015 2016 INT 705. Following Mumbai harbour buoys and other wreck marking buoys are virtually marked on NAIS network:			
	Position		Name/Place
(a)	18-55.17N	072-52.12E	off Karanja buoy
(b)	18-55.12N	072-52.38E	off Karanja buoy
(c)	18-52.09N	072-50.13E	South of Sunk Rock
(d)	18-51.88N	072-50.29E	South of Sunk Rock
(e)	18-51.25N	072-49.00E	off No.2 Red buoy
(f)	18-50.50N	072-47.78E	off No.1 Red buoy
<b>658. Cancel NAVAREA VIII 548/12 and this MSG.</b>			
<b>659. India West Coast – Arabian Sea.</b> Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 241003 UTC Dec 12:			
	ABAN ICE	18-19.46N	071-46.50E
	ABAN III	19-11.98N	072-11.00E
	ABAN IV	19-40.40N	071-19.38E
	ABAN VII	20-21.16N	071-48.46E
	BADRINATH	19-11.16N	070-39.66E
	CE THORNTON	19-34.68N	071-20.08E
	DEEP SEA FORTUNE	18-39.66N	072-13.33E
	DEEP SEA FOSSIL	19-33.13N	071-16.35E

<b>659. Continued.</b>				
DISCOVERY-1	18-36.11N		071-01.58E	
ENERGY DRILLER	18-46.03N		071-25.41E	
FG MC CLINTOK	19-38.00N		071-21.73E	
GREATDRILL CHETNA	20-44.07N		071-55.05E	
GREATDRILL CHITRA	18-39.50N		072-12.85E	
JT ANGEL	19-18.55N		071-27.51E	
KEDARNATH	19-37.11N		071-36.81E	
NOBLE CHARLIE YESTER	21-03.68N		072-25.30E	
NOBLE ED HOLT	18-55.85N		072-18.35E	
NOBLE KENNETH DELANEY	18-31.88N		072-16.73E	
RON TAPMEYER	20-43.00N		072-19.06E	
SAGAR GAURAV	19-16.81N		072-11.73E	
SAGAR KIRAN	22-33.96N		068-29.96E	
SAGAR LAXMI	18-36.15N		071-01.63E	
SAGAR PRAGATI	18-32.26N		072-15.43E	
SAGAR SHAKTI	19-10.40N		071-26.43E	
SAGAR JYOTI	20-31.60N		071-46.73E	
TRIDENT – 2	19-00.47N		072-09.07E	
TRIDENT – 12	18-39.21N		070-58.85E	
VIRTUE 1	18-37.23N		072-14.93E	
DEEP DRILLER-1	21-03.80N		072-31.60E	
wide berth requested.				
2.	Cancel NAVAREA VIII 640/12.			
<b>660. India East Coast – Gopalpur.</b>	CHARTS 31 352 353 391 3005 INT 706. Firing by Army:			
	<b>Date</b>	<b>Time(UTC)</b>	<b>Safe flying height</b>	
	31 Dec 12 to 12 Jan 13	2330 to 1800	25000 metres	
	13 Jan 13 to 18 Jan 13	2330 to 1800	7000 metres	
	20 Jan 13 to 22 Jan 13	2330 to 1800	25000 metres	
	27 Jan 13 to 31 Jan 13	2330 to 1800	7000 metres	
2.	Danger area bounded by:			
	(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).	
3.	Cancel this MSG 311900 UTC Jan 13.			
<b>661. Cancel NAVAREA VIII 421/12. India West Coast – Gulf of Khambhat.</b>	Charts 21 208 254 2044 INT 705. Significantly less water than charted reported in following positions:			
	(a) 21-24.9N	072-20.4E	(b) 21-40.9N	072-22.5E
	(c) 21-08.0N	072-20.5E	(d) 21-12.0N	072-21.0E
	(e) 21-10.0N	072-20.0E	(f) 21-04.0N	072-19.0E
<b>662. India West Coast – Gulf of Khambhat.</b>	Charts 21 207 208 209 254 292 INT 705 INT 706. Survey vessel Focus Admiralty will carry out seismic survey from 25 Dec 12 to 15 May 13 in area bounded by:			
	(a) 21-00.00N	072-13.33E	(p) 21-20.53N	072-38.26E
	(b) 21-01.96N	072-13.28E	(q) 21-21.20N	072-38.05E
	(c) 21-05.31N	072-13.21E	(r) 21-24.61N	072-37.93E
	(d) 21-08.26N	072-17.25E	(s) 21-26.00N	072-37.90E
	(e) 21-06.01N	072-20.11E	(t) 21-26.00N	072-31.58E
	(f) 21-04.03N	072-20.15E	(u) 21-26.00N	072-30.00E
	(g) 21-05.10N	072-24.00E	(v) 21-26.48N	072-29.50E
	(h) 21-05.10N	072-28.00E	(w) 21-37.85N	072-18.35E
	(i) 21-06.75N	072-28.18E	(x) 21-30.00N	072-16.35E
	(j) 21-09.66N	072-33.76E	(y) 21-16.40N	072-05.21E
	(k) 21-14.90N	072-37.85E	(z) 21-11.50N	072-07.50E
	(l) 21-16.00N	072-37.85E	(a1) 21-00.00N	071-45.00E
	(m) 21-16.00N	072-39.55E	(b1) 21-00.00N	072-02.00E
	(n) 21-16.38N	072-39.61E	(c1) 21-00.00N	072-13.33E
	(o) 21-19.05N	072-38.76E		
2.	Wide berth requested.			
3.	Cancel this MSG 160001 UTC May 13.			
<b>663. Cancel NAVAREA VIII 645/12 and this MSG.</b>				



<p><b>664. India East Coast – off Pondicherry.</b> Charts 32 33 357 INT 71 INT 706. Survey vessel Western Trident will carry out 3D seismic survey from 01 Jan to 15 Jan 13 in area bounded by:</p>				
(a)	12-07N 081-22E	(b) 12-26N 081-16E		
(c)	12-33N 080-56E	(d) 12-27N 080-38E		
(e)	12-09N 080-31E	(f) 11-52N 080-35E		
<p>2. The vessel will be towing 10 streamer cables of length 8100 metres. Each end attached to tail buoy with radar reflectors and flashing white lights.</p>				
<p>3. Wide berth of 03 NM ahead 03 NM abeam and 08 NM astern requested.</p>				
<p>4. Cancel this MSG 160001 UTC Jan 13.</p>				
<p><b>665. Cancel NAVAREA VIII 604/12 and this MSG.</b> Perigee light vessel re-established at 21-42.60N 072-18.01E.</p>				
<p><b>666. Cancel NAVAREA VIII 642/12 and this MSG.</b></p>				
<p><b>667. India East Coast – Bay of Bengal.</b> Charts 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 271003 UTC Dec 12:</p>				
	ABAN II	16-44.21N	082-23.66E	
	ACTINIA	16-07.35N	081-54.73E	
	DEEP SEA MATDRILL	16-16.38N	081-43.84E	
	DSR DHIRUBHAI DEEPWATER KG-1	16-29.25N	082-28.46E	
	DSR DHIRUBHAI DEEPWATER KG-2	16-25.30N	082-35.88E	
	GSF-140	16-31.68N	082-28.43E	
	MG HULME JR	16-35.70N	082-27.09E	
	NOBLE DUCHESS	16-16.45N	082-11.86E	
	PLATINUM EXPLORER	15-21.60N	082-01.10E	
	PERRO NEGRO 3	11-30.12N	079-56.06E	
	D S SAGAR VIJAY	16-15.18N	082-10.68E	
	SAGAR RATNA	16-13.95N	081-45.88E	
<p>wide berth requested.</p>				
<p>2. Cancel NAVAREA VIII 641/12.</p>				
<p><b>668. India West Coast – Tottapalli.</b> Charts 22 221 259 260 INT 71 INT 706. Tottapalli light beacon Fl(2)W 10 seconds established at 09-19.18N 076-22.06E on trial basis on top of 15 metres height white trestle tower.</p>				
<p><b>669. NAVAREA VIII – messages in force as on 281002 UTC Dec 12:</b></p>				
<p><b>2012 Series</b> –387 464 465 519 531 537 547 574 577 582 596 598 606 628 633 637 657 659 660 661 662 664 667 668</p>				
(a)	NAVAREA VIII warnings less than 42 days old (574/12 onward) are	promulgated via SafetyNET.		
(b)	Text of NAVAREA VIII warnings inforce including those which are available on website www.hydrobharat.nic.in.	no longer being broadcast are		
(c)	Texts of NAVAREA VIII warnings are also printed in section V of	fortnightly editions of Indian Notices to Mariners.		
<p>2. Cancel this MSG 041002 UTC Jan 13.</p>				
<p><b>670. Andaman Sea – Gulf of Martaban.</b> Charts 41 INT 71 INT 73 INT 706. Drilling operation by Glen Affric till 23 Dec 13 in area bounded by:</p>				
(a)	14-28.11N	096-05.64E	(b) 14-17.34N	096-13.70E
(c)	14-11.40N	096-13.73E	(d) 13-56.74N	095-49.02E
(e)	14-01.75N	095-43.86E	(f) 14-15.01N	095-44.35E
(g)	14-28.48N	095-58.56E		
<p>2. Wide berth of 02.5 NM around the area requested.</p>				
<p>3. Cancel this MSG 240001 UTC Dec 13.</p>				
<p><b>671. Bay of Bengal – off Kakinada.</b> Charts 31 32 INT 71 INT 706. Firing practice by Naval ships between 0330 UTC and 0730 UTC from 09 Jan to 10 Jan 13 in area bounded by:</p>				
(a)	14-13.0N	085-42.0E	(b) 15-23.0N	082-44.5E
(c)	13-20.0N	084-50.0E	(d) 16-16.0N	083-34.0E
<p>2. Safe flying height 18000 metres.</p>				
<p>3. Cancel this MSG 100830 UTC Jan 13.</p>				
<p><b>672. India West Coast – Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 71 INT 706. Firing by Naval Coast Battery:</p>				
Date	Time (UTC)			
01 Jan 13	0900 to 1200			
04 Jan 13	0900 to 1200			
08 Jan 13	0900 to 1200			
11 Jan 13	0900 to 1200 and 1230 to 1430			
15 Jan 13	0900 to 1200			
18 Jan 13	0900 to 1200			
22 Jan 13	0900 to 1200			

<b>672.</b>	<b>Continued.</b>				
	25 Jan 13	0900 to 1200 and 1230 to 1430			
	29 Jan 13	0900 to 1200			
2.	Danger area bounded by:				
	(a)	09-57.5N 075-59.5E	(b)	09-57.7N 076-14.2E	
	(c)	09-44.0N 076-17.5E	(d)	09-42.5N 076-09.5E	
3.	Safe flying height 10000 metres.				
4.	Cancel this MSG 291300 UTC Jan 13.				
<b>673.</b>	<b>Cancel NAVAREA VIII 637/12. Indian Ocean – off Seychelles.</b> Charts INT 71 INT 72 INT 702. Polarcus Adira conducting seismic survey operations in area bounded by:				
	(a)	03-19S 055-02E	(b)	03-33S 055-10E	
	(c)	04-06S 054-13E	(d)	03-52S 054-05E	
2.	The vessel is towing 12 cables of length 7000 metres. Wide berth of 03 NM ahead/abeam and 06 NM astern requested.				
<b>674.</b>	<b>India West Coast – off Vengurla.</b> Charts 22 214 257 2046 INT 705 INT 706. Vengurla Rocks lighthouse unlit.				



6.1

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

(Note: For hard copy in colour, kindly download from [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in) Indian Notices to Mariners section)

NIL



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

**INP 31(1), 2005**

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

NIL

**INP 31(2), 2007**

*(Last correction: Edition No. 24 dated 16 Dec 12)*

**PAGE 28, SAUDI ARBIA (Persian Gulf Coast) (Contd . . .)**

*Delete entry 77860 Zuluf Oilfield South Lt BuoyRacon*

(BA 01/13)

(01/13)

**INP 31(5), 2011**

*(Last correction: Edition No. 19 dated 01 Oct12)*

NIL

**INP 31(6), 2012**

*(Last correction: Edition No. 24 dated 16 Dec 12)*

**PAGE 116, MALDIVES, MALE, Pilots and Port, CONTACT DETAILS, Pilots:**

*Delete and replace by:*

**Pilots**

VHF Channel: Ch 10

Telephone: +960 3008922

+960 7776862

+960 7782247

Fax: +960 3328624

E-mail: hm@port.com.mv

(Source: BA 52/12)

(01/13)

**PAGE 116, MALDIVES, MALE, Pilots and Port, CONTACT DETAILS, Harbour Control, Telephone:**

*Delete and replace by:*

Telephone: +960 3008922

(Source: BA 52/12)

(01/13)

## **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	

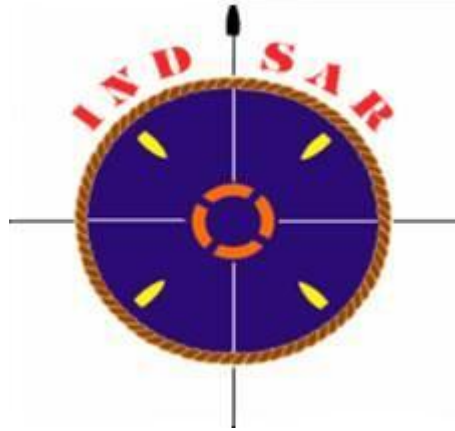
<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or 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>	

*To accompany Indian Notice to Mariners 032/13*

*Chart 208*

CHANGES IN DEPTHS

Due to continuous shifting of banks and channels, depths in the Approaches and Channels in Dahej and Bhavnagar Port Harbour change quite frequently making navigation dangerous in the area. Mariners are strongly advise not to navigate in the vicinity without local knowledge or assistance/pilot.



**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**