



INDIAN NOTICES TO MARINERS



EDITION NO. 02 DATED 16 JAN 2010

(CONTAINS NOTICES 039 TO 050)

REACH US 24 x 7



E-mail to

in的角度@dataone.in
in的角度_marinesafety@dataone.in



Write to

National Hydrographic Office +91-135-2748373
107-A, Rajpur Road
Dehradun – 248001
INDIA



Fax to



Contact

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



Visit

www.hydrobharat.nic.in

CONTENTS

Section No.	Title	Page No.
I.	List of Charts Affected	06
II.	Permanent Notices	07
III.	Temporary and Preliminary Notices	10
IV.	Marine Information	11
V.	Radio Navigational Warnings in force	12
VI.	Corrections to Sailing Directions	16
VII.	Corrections to List of Lights	19
VIII.	Corrections to List of Radio Signals	20
IX.	Reporting of Navigational Dangers	21

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 short comings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

Feedback: in的角度_marinesafety@dataone.in

© Govt. of India Copyright

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



For the Indian Ocean Area
INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and most up-to-date



EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts affected by the notices contained in this edition. 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 INT 1 (5020).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

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

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

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

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

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

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

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which 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.

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

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

(a) New Indian Charts.

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
3033	31-12-2009	KARAIKAL ANCHORAGE <u>Limits</u> 10° 47'.90N; 79° 50'.30E. 10° 53'.20N; 79° 57'.50E.	20,000	5	Rs. 1527.00
		KARAIKAL PORT <u>Limits</u> 10° 49'.08N; 79° 50'.10E. 10° 52'.00N; 79° 54'.60E.	12,500		

(b) New Edition Indian Charts.

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
268 (INT 7353)	31-12-2009	CENTRAL LAKSHADWEEP <u>Limits</u> 09° 57'.00N; 71° 48'.00E. 11° 44'.00N; 74° 34'.00E.	3,00,000	4	Rs. 1527.00

(c) Indian Charts Permanently Withdrawn.

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
268 (INT 7353)	31-07-2006	CENTRAL LAKSHADWEEP	268 (INT 7353)	31-12-2009
3033	30-09-2007	CHEMPLAST SANMAR KARAIKAL TERMINAL	3033	31-12-2009

(d) Forthcoming Charts.

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
356 (INT 7400)	CHENNAI TO RAMAYPATNAM	3,00,000	New Edition
2030	SRIVARDHAN AND BANKOT ANCHORAGES	25,000	New Edition

2. The forthcoming Indian ENC's are as follows:-

(e) **Forthcoming Electronic Navigational Charts (ENCs).**

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>
IN43026A	3026	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY
IN43034A	3034	APPROACHES TO KRISHNAPATNAM
IN42072S	2072	SHIRALI AND BHATKAL
IN63034K	3034	KRISHNAPATNAM PORT

Availability of ENC's.

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian. 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:

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@dataone.in in角度_marinesafety@dataone.in Website: www.hydrobharat.nic.in	Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 India Ph: 91-22- 65103668 Fax: 91- 22- 67939504 Email: info@c-map.co.in Website: www.c-map.co.in
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	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

SECTION – I

The list of charts affected by the Notices 039 to 050 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	41
22(INT 752)	3	41, 42, 43
202	2	49(T)
203(INT 7319)	2	48(T), 49(T)
212	3	41
213	3	42
220	3	44
251(INT 7318)	2	49(T)
252(INT 7325)	2	49(T)
256(INT 7340)	3	41, 42
258(INT 7348)	3	43
271	2	49(T)
272	4	43
291	2	49(T)
293(INT 7022)	3	41, 42, 43
357(INT 7397)	5	39, 47
2029(INT 7358)	3	44
2031	2	49(T)
2051	2	40
2060	2	40
2068	2	48(T), 49(T)
2100	2	50(T)
3007	5	39, 47
3017	5	45
3034	5	46

SECTION – II PERMANENT NOTICES

*039/(02/10) Miscellaneous updates to charts

Source: NHO Dehradun		
Chart	Previous Updates	Details
357 (INT 7397)	034/10	Insert Chart No. 3033 and Magenta limit as follows: North: 10° 53'·20N., East: 79° 57'·50E. South: 10° 47'·90N., West: 79° 50'·30E
		Delete existing Chart No. 3033 and Magenta limit as follows: North: 10° 52'·50N., East: 79° 54'·60E. South: 10° 49'·35N., West: 79° 50'·10E
3007	506/08	Insert Chart No. 3033 and Magenta limit as follows: North: N. Border East: 79° 57'·50E. South: 10° 47'·90N., West: 79° 50'·30E.
		Delete existing Chart No. 3033 and Magenta limit as follows: North: N. Border East: 79° 54'·60E. South: 10° 49'·35N., West: 79° 50'·10E

* 040/(02/10) INDIA -WEST COAST – Gulf of Kachchh – Salaya Harbour –Pilot boarding place.

Source: NHO Dehradun

(HJ/1131/20)

Chart 2060 [previous update 355/09]

Insert 

22° 28'·55N., 69° 39'·80E.

Chart 2060 (plan) [previous update 355/09]

Insert 

22° 28'·55N., 69° 39'·80E.

Chart 2051 [previous update 343/09]

Insert 

22° 28'·59N., 69° 39'·79E.


* 041/(02/10) INDIA – WEST COAST – North Westward of Port Dabhol – Wreck.

Source: Navarea VIII Warning – 513/09

(HJ/1030/77)

Wreck of FV Jeevan 1

Chart 21 [previous update 277/09]

Insert  PA

17° 38'·70N., 72° 59'·60E.

Chart 22(INT 752) [previous update 388/09]

Insert  PA

17° 38'·70N., 72° 59'·60E.

Chart 293(INT 7022) [previous update 032/10]

Insert  PA


17° 38'·70N., 72° 59'·60E.

Chart 256(INT 7340) [previous update 032/10]

Insert  PA

17° 38'·70N., 72° 59'·60E.

Chart 212 [previous update 032/10]

Insert  PA

17° 38'·70N., 72° 59'·60E.

* 042/(02/10) INDIA – WEST COAST – South Westward of Devgarh Harbour – Wreck.

Source: Navarea VIII Warning – 513/09

(HJ/1030/66)

Wreck of MFB Suraksha

Chart 22(INT 752) [previous update 041/10]

Insert  PA 16° 16′.95N., 73° 18′.01E.

Chart 293(INT 7022) [previous update 041/10]

Insert  PA 16° 16′.95N., 73° 18′.01E.

Chart 256(INT 7340) [previous update 041/10]

Insert  PA 16° 16′.95N., 73° 18′.01E.

Chart 213 [previous update 031/10]

Insert  PA 16° 16′.95N., 73° 18′.01E.

* 043/(02/10) INDIA – WEST COAST – Hangarkatta and Malpe – Wrecks.

Source: IN Chart 2071 & INM 259/09.

(HJ/1030/35)

Chart 22(INT 752) [previous update 042/10]

Delete  PA 13° 13′.00N., 74° 37′.00E.

Chart 293(INT 7022) [previous update 042/10]

Delete  13° 14′.50N., 74° 40′.20E.

Chart 272 [previous update 310/09]

Delete  PA 13° 11′.10N., 74° 42′.80E.

 13° 13′.00N., 74° 40′.70E.

 13° 13′.00N., 74° 37′.00E.

 13° 14′.50N., 74° 40′.20E.

Chart 258(INT 7348) [previous update 310/09]

Delete  PA 13° 13′.00N., 74° 40′.70E.

13° 11′.10N., 74° 42′.80E.

* 044/(02/10) INDIA – WEST COAST – Approaches to Kochi (Cochin) – Legend. Accompanying Note.

Source: IN Chart 260.

(HJ/930/93)

Chart 220 [previous update 311/09]

Insert Legend, 'FIRING PRACTICE AREA' ,centered on: 9° 49′.50N., 76° 07′.25E.
(See Note)

Accompany Note, FIRING PRACTICE AREA ,
centered on: 10° 39′.00N., 76° 16′.00E.

Chart 2029(INT 7358) [previous update 311/09]

Insert Legend, 'FIRING PRACTICE AREA' ,centered on: 9° 49′.50N., 76° 07′.25E.
(See Note)

Accompany Note, FIRING PRACTICE AREA ,
centered on: 10° 07′.75N., 76° 14′.80E.

* **045/(02/10) INDIA – EAST COAST – Approaches to Dhamra River – Fairway Buoy.**

Source: Dhamra Port

(HJ/1029/02)

Chart 3017 [previous update 255/08]

Insert  Fl.4s 20° 55′.65N., 87° 07′.24E.

* **046/(02/10) INDIA – EAST COAST – Approaches to Krishnapatnam – Light. Buoy. Anchorage.**

Source: NHO Dehradun

(HJ/1029/49)

Chart 3034 [previous update 362/09]

Substitute  for  14° 16′.68N., 80° 11′.27E.

Move Light, Fl.G.10s40M from: 14° 14′.80N., 80° 06′.97E.

to: 14° 14′.73N., 80° 06′.98E.

Chart 3034 (plan)[previous update 362/09]

Insert  14° 16′.68N., 80° 11′.27E.

Amend Buoy to, Fl.R.5s 14° 14′.77N., 80° 07′.81E.

Delete  14° 16′.68N., 80° 11′.21E.

***047/(02/10) INDIA – EAST COAST – Karaikal Port - Anchorage Area.**

Source: NHO Dehradun

(HJ/1030/00)

Chart 357 (INT 7397) [previous update 039/10]


Delete Anchorage Area, , joining: 10° 49′.99N., 79° 53′.49E.

10° 49′.99N., 79° 55′.06E.

10° 50′.89N., 79° 55′.06E.

10° 50′.89N., 79° 53′.49E.

Chart 3007 (Plan, Nagore) [previous update 039/10]

Delete Anchorage Area, , joining: 10° 50′.50N., 79° 53′.49E.(N Border)

10° 49′.99N., 79° 53′.49E.

10° 49′.99N., 79° 53′.85E.(E Border)

SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***048(T)/(02/10) INDIA – WEST COAST – Gulf of Kachchh – Buoy.**

Source: Navarea VIII Warning 006/10

(HJ/1131/20)

1. VLCC Buoy in position 22° 35′.70N., 69° 16′.36E is missing.
2. Mariners to exercise caution.

Charts affected – 203(INT 7319) – 2068.

***049(T)/(02/10) INDIA – WEST COAST – Gulf of Kachchh – Buoy.**

Source: Navarea VIII Warning 014/10

(HJ/1131/21)

1. Mithapur Buoy in position 22° 24′.72N., 68° 51′.85E is unlit.
2. Mariners to exercise caution.

Charts affected – 202 - 203(INT 7319) – 251(INT 7318) – 252(INT 7325) – 271 – 291 - 2068 - 2031.

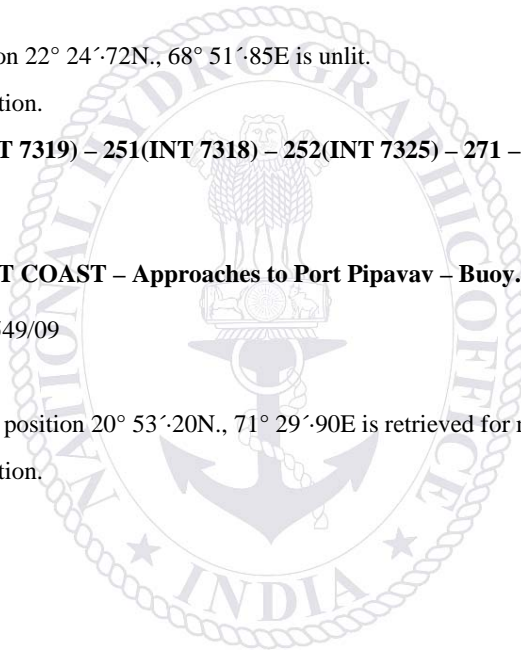
***050(T)/(02/10) INDIA – WEST COAST – Approaches to Port Pipavav – Buoy.**

Source: Navarea VIII Warning 549/09

(HJ/1130/08)

1. Pipavav fairway buoy in position 20° 53′.20N., 71° 29′.90E is retrieved for maintenance.
2. Mariners to exercise caution.

Charts affected – 2100.



SECTION – IV
MARINE INFORMATION

MUMBAI NAVTEX COAST STATION

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

(Source - NAVAREA VIII Warning 305/08)

Distribution of Indian Paper Charts and Nautical Publications

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

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

SECTION – V**NAVAREA – VIII WARNING 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 – 2008.

2. Navarea VIII Warning Inforce as on 14 Jan 2010.

2009 SERIES – 282 340 357 367 409 429 484 500 513 530 535 536 549 556 559
561 562 589 594 595 598 599 601 602 608 609 610 613

2010 SERIES – 003 004 006 007 008 009 010 011 012 013 014 015 016 019 020 022 023 024
025 026 027

3. NAVAREA VIII Warnings issued during the period from 01 Jan 10 to 14 Jan 10 (both dates inclusive) are as tabulated below:-

001. Self Cancelling. Best wishes for safe and prosperous voyage during 2010.																														
002. Self Cancelling. Navarea VIII-warning inforce 2009 Series – 282 340 357 367 409 429 484 500 513 517 521 530 535 536 549 556 558 559 561 562 569 575 581 582 589 591 594 595 598 599 600 601 602 603 605 606 607 608 609 610 611 612 613 614 615 2010 Series – 001																														
003. Indian Ocean Western Part. Charts INT 71 INT 72 INT 703. The world wide navigational warning service has received the following report of potential pirate activity in the Arabian Sea for promulgation via GMDSS. Arabian Sea piracy, possible mother ship, Dhow with one skiff in tow, in 11-49.00N 062-50.00 at 310834 Z Dec. 2. Vessels passing within 100 NM are advised to exercise caution, keep clear if possible.																														
004. India East Coast- Dhamra Port. Charts 31 351 352 INT 706. Fairway buoy deployed at position 20-55.70N 087-07.10E 2. The buoy displays all round white light having characteristics-off 03 sec and on 01 sec. The shape of buoy is as per IALA region 'A'.																														
005. Self Cancelling. Cancel Navarea VIII messages 517 and 521 of 2009. Issued by INM edition 01 of 2010.																														
006. India West Coast- Gulf of Kachchh. Charts 21 202 203 291 2060 2068 INT 705. VLCC buoy missing from position 22-35.70N 069-16.40E 2. Mariners to exercise caution.																														
007. India East Coast – Bay of Bengal. Charts 32 33 INT 706. Man over board reported from MV Nancowry in position 11-42.94N 083-20.90E at 1232 IST on 06 Jan 2010. 2. All vessels operating in vicinity to keep a sharp lookout and render assistance.																														
008. Cancel Navarea VIII Message 582 605 and 606 of 2009. India West Coast – Arabian Sea. Charts 21 22 202 207 209 211 251 254 253 255 271 291 292 293 INT 705 INT 706. Present position of oil rigs / drill ships as follows																														
<table> <tbody> <tr> <td>Aban Ice</td> <td>20-26.15N</td> <td>072-12.06E</td> </tr> <tr> <td>Aban II</td> <td>23-20.66N</td> <td>068-12.58E</td> </tr> <tr> <td>Aban III</td> <td>20-20.16N</td> <td>072-01.35E</td> </tr> <tr> <td>Aban IV</td> <td>19-30.93N</td> <td>071-21.43E</td> </tr> <tr> <td>Aban V</td> <td>19-29.86N</td> <td>071-24.70E</td> </tr> <tr> <td>Badrinath</td> <td>18-35.65N</td> <td>071-21.73E</td> </tr> <tr> <td>CE Thronton</td> <td>20-17.68N</td> <td>072-16.41E</td> </tr> <tr> <td>Discovery 1</td> <td>19-11.98N</td> <td>072-11.00E</td> </tr> <tr> <td>Energy Driller</td> <td>18-39.81N</td> <td>071-00.60E</td> </tr> <tr> <td>FG McClintock</td> <td>22-39.38N</td> <td>068-29.56E</td> </tr> </tbody> </table>	Aban Ice	20-26.15N	072-12.06E	Aban II	23-20.66N	068-12.58E	Aban III	20-20.16N	072-01.35E	Aban IV	19-30.93N	071-21.43E	Aban V	19-29.86N	071-24.70E	Badrinath	18-35.65N	071-21.73E	CE Thronton	20-17.68N	072-16.41E	Discovery 1	19-11.98N	072-11.00E	Energy Driller	18-39.81N	071-00.60E	FG McClintock	22-39.38N	068-29.56E
Aban Ice	20-26.15N	072-12.06E																												
Aban II	23-20.66N	068-12.58E																												
Aban III	20-20.16N	072-01.35E																												
Aban IV	19-30.93N	071-21.43E																												
Aban V	19-29.86N	071-24.70E																												
Badrinath	18-35.65N	071-21.73E																												
CE Thronton	20-17.68N	072-16.41E																												
Discovery 1	19-11.98N	072-11.00E																												
Energy Driller	18-39.81N	071-00.60E																												
FG McClintock	22-39.38N	068-29.56E																												

Greatdrill Chetna	20-03.66N	071-09.20E
Greatdrill Chitra	19-15.18N	072-02.16E
JT Angel	19-12.80N	072-06.73E
Kedarnath	21-02.73N	072-26.43E
Noble George Mcleod	18-39.66N	072-13.33E
Noble Charlie Yester	19-28.96N	071-19.63E
Pride Hawaii	20-04.55N	071-55.18E
Randolph Yost	19-08.71N	072-07.02E
Ron Tappmeyer	19-38.30N	071-19.80E
Sagar Gaurav	19-32.41N	072-27.95E
Sagar Jyoti	19-36.61N	071-22.90E
Sagar Kiran	19-23.80N	071-05.46E
Sagar Laxmi	18-36.15N	071-01.63E
Sagar Pragati	19-37.35N	071-21.66E
Sagar Samrat	19-32.13N	071-18.81E
Sagar Shakti	19-25.21N	071-11.56E
Sagar Uday	19-21.96N	071-19.56E
Trident – 2	19-24.65N	071-13.06E
Trident – 12	18-37.03N	072-40.96E
Virtue 1	19-23.48N	071-25.18E
EnSCO 53	20-44.76N	071-55.56E
2. Wide berth requested.		
009. Cancel Navarea VIII Messages 575 and 591 of 2009. India East Coast– Bay of Bengal. Charts 31 32 33 301 351 352 353 354 355 356 357 3009 INT 706. Present position of oil rigs / drill ships as follows		
Discoverer Seven Seas	15-19.05N	080-48.21E
Dheeru Bhai Deepwater KG-1	16-00.31N	082-24.65E
Deep Sea Matdrill	16-16.11N	081-52.30E
Hercules 258	16-40.43N	082-24.00E
Hercules 260	16-22.13N	081-55.60E
Sagar Bhushan	16-31.45N	082-22.65E
Deep Water Frontier	14-58.80N	080-43.30E
Discoverer 534	20-09.70N	087-29.40E
Deep Water Expedition	15-45-80N	082-34.80E
Essar Wild Cat	16-43.30N	082-34.31E
2. Wide berth requested.		
010. India East Coast – Off Suryalanka. Charts 31 32 355 3026 INT 706. Firing exercise by air defence gun and missiles from firing point 15-50.50N 080-29.50E between 0130 UTC to 1630 UTC from 14 Jan to 15 Jan, 21 Jan to 22 Jan and 28 Jan to 29 Jan 2010. Danger area an arc of 60 NM radius between 100 degree and 210 degree from firing point.		
2. No over flight and shipping activity permissible over the danger area.		
3. Cancel this message on 30 Jan 2010.		
011. India West Coast –Mormugao. Charts 22 214 215 256 257 INT 706. Naval aircrafts will carry out firing practice from 0230 UTC to 1230 UTC from 14 Jan 2010 to 21 Jan 2010 in area bounded by		
(a)	15-13.00N 073-57.00E	(b) 15-13.00N 073-52.00E
(c)	15-11.00N 073-57.00E	(d) 15-11.00N 073-52.00E
2. Safe flying height 3500 metres		
3. Cancel this message on 22 Jan 2010.		
012. India East Coast – Bay of Bengal. Charts 32 33 41 313 356 357 INT 71 INT 706 BA 4607. Rocket launching scheduled from launch pad 13-41.73N 080-14.08E from 0715 UTC to 0845 UTC on 15 Jan 2010 to 20 Jan 2010.		
2. Danger area as follows		
(a) Danger zone – 1 circle of 15 NM around the launcher		
(b) Danger zone–2 sector between radii of 150 NM and 350 NM from launch pad coordinates and between azimuth angles 80 deg and 120 deg from true north.		
(c) Altitude 243 NM		
3. Mariners to exercise caution.		
4. Cancel this message on 21 Jan 2010.		

<p>013. India West Coast – Pigeon Island. Charts 22 216 257 272 293 2072 INT 706. Naval ships and air crafts will carry out firing practice on pigeon island between 0230 UTC to 0930 UTC from 15 Jan 2010 to 21 Jan 2010. Danger area 05 NM around pigeon island.</p> <p>2. Safe flying height 12000 metres.</p> <p>3. Cancel this message on 22 Jan 2010.</p>
<p>014. India West Coast- Gulf of Kachchh. Charts 21 202 251 252. Mithapur buoy 22-24.75N 068-51.75E unlit.</p>
<p>015. India West Coast - Trivandrum. Charts 22 32 222 260 INT 706. Rocket launch from Thumba equatorial rocket launching station 08-31.98N 076-52.05E between 0530 UTC to 1030 UTC on 14 Jan 2010 and 0530 UTC to 1130 UTC on 15 Jan 2010.</p> <p>2. Danger zones:-</p> <p>(a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree.</p> <p>(b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree.</p> <p>3. Cancel this message on 16 Jan 2010.</p>
<p>016. India West Coast – Arabian Sea. Charts 21 207 253 254 255 292 INT 706. Survey vessel Sagar Sandhani will carry out seismic survey operations till 31 Jan 2010 in area bounded by following coordinates</p> <p>(a) 19-15.50N 070-31.50E (b) 19-21.30N 070-49.00E</p> <p>(c) 19-07.50N 070-31.50E (d) 19-06.00N 070-49.00E</p> <p>2. Vessel will be towing two seismic streamers of 5000 meters length each approx 07 metres below the surface. Each trailing end attached to tail buoy with radar reflectors and flashing normally red and green light spread over a width of approx 100 meters.</p> <p>3. All vessels operating in the area to maintain a clearance of at least 01 NM on either side, 02 NM ahead and 06 NM astern of the vessel.</p> <p>4. Mariners are advised to:</p> <p>(a) Keep well clear of survey area and vessel and follow the east/west bound recommended route by maintaining at least 1 to 02 NM north of this track depicted on the chart.</p> <p>(b) Vessel will also warn shipping by signalling appliances or morse code light/day light signalling lamp if shipping gets close to clearing distance as mentioned.</p> <p>(c) Chase boats and crew boats guarding the seismic survey vessel and streamers shall also direct shipping to keep clear of this vessel and streamers at all times during operations.</p> <p>5. Cancel this message on 01 Feb 2010.</p>
<p>017. Self Cancelling. Navarea VIII-warning inforce</p> <p>2009 Series – 282 340 357 367 409 429 484 500 513 530 535 536 549 556 558 559 561 562 569 581 589 594 595 598 599 600 601 602 608 609 610 612 613 615</p> <p>2010 Series –003 004 006 007 008 009 010 011 012 013 014 015 016</p>
<p>018. India West Coast – Lakshadweep Sea. Charts 22 272 INT 705. Hydrographic survey will be carried out by Hydrographic vessel and four survey motor boats from 14 Jan 2010 to 02 Feb 2010 in area bounded by following coordinates</p> <p>(a) 12-05.00N 072-30.00E (b) 12-13.00N 072-30.00E</p> <p>(c) 12-13.00N 072-38.00E (d) 12-05.00N 072-38.00E</p> <p>2. Boats will be towing under water side scan sonar 25 mtrs astern.</p> <p>3. All vessels operating in vicinity are to maintain a safe distance from survey vessel and exercise caution.</p> <p>4. Cancel this message on 03 Feb 2010.</p>
<p>019. India West Coast – Arabian Sea. Charts 21 207 253 254 255 INT 706. Survey vessel western spirit will carry out seismic survey from 16 Jan 2010 to 15 Feb 2010 in area bounded by following coordinates</p> <p>(a) 19-51.00N 071-32.00E (b) 19-51.00N 071-44.00E</p> <p>(c) 20-36.00N 071-44.00E (d) 20-36.00N 071-32.00E</p> <p>2. Vessel will be towing six streamers of 6000 meters length each approx 08 metres below the surface. Each trailing end attached to tail buoy with radar reflectors and white flashing light spread over a width of approx 500 meters.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth at least 02 NM on either side, 03 NM ahead and 06 NM astern of the vessel.</p> <p>4. Mariners are advised to:</p> <p>(a) Keep well clear of survey area and vessel.</p> <p>(b) Keep listening watch on vhf channel 16 and working channel for message giving navigational warnings.</p> <p>(c) Vessel will also warn shipping by signalling appliances or morse code light if shipping gets close to clearing distance as mentioned.</p>

(d) The chase boats guarding the vessel and the streamers shall also direct the shipping to keep clear of this vessel and streamers.				
4. Cancel this message on 16 Feb 2010.				
020. India East Coast – Off Visakhapatnam. Charts 31 32 353 354 355 INT 706. Survey vessel Geowave Champion will carry out 3 D seismic data survey from 13 Jan 2010 to 14 Jan 2010 in area bounded by the following coordinates:-				
(a)	17-30.04N	085-44.66E	(b)	17-43.72N 085-30.39E
(c)	18-30.00N	085-30.00E	(d)	18-30.06N 085-38.04E
(e)	18-07.01N	086-02.13E	(f)	17-58.00N 085-52.23E
(g)	17-49.61N	086-00.71E	(h)	17-42.62N 085-59.88E
(j)	17-36.30N	085-52.38E	(k)	17-30.31N 085-58.56E
(l)	17-30.03N	085-58.28E	(m)	17-30.04N 085-44.66E
2. Vessel will tow six streamers of 8000 meters length each cable end marked with flashing white and blue light with radar reflector. The vessel call sign is LAJQ6. The vessel can be contacted on channel 16 & 68.				
3. All vessels operating in the area to exercise caution and give wide berth at least 06 NM all around the vessel.				
4. Cancel this message on 15 Jan 2010.				
021. Self Cancelling. Cancel NAVAREA VIII message 612 of 2009.				
022. India East Coast – Off Krishnapatnam. Charts 31 32 33 356 INT 706. Survey vessel Western Pride will carry out 3 D seismic survey operation from 13 Jan 2010 to 15 Feb 2010 in area bounded by the following coordinates:-				
(a)	14-43.00N	081-31.00E	(b)	14-43.00N 082-03.00E
(c)	13-50.00N	082-03.00E	(d)	13-50.00N 081-31.00E
2. Vessel will tow eight streamers of 9000 meters length each cable end marked with flashing white and blue light with radar reflector. The vessel call sign is 3EYQ8. The vessel can be contacted on channel 16.				
3. All vessels operating in the area to exercise caution and give wide berth at least 06 NM all around the vessel.				
4. Cancel this message on 16 Feb 2010.				
023. India West Coast- Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery from 0900 UTC to 1200 UTC on 19 Jan 2010, from 0900 UTC to 1200 UTC and 1230 UTC to 1430 UTC on 22 Jan 2010. Danger area bounded by				
(a)	09-57.50N	075-59.50E	(b)	09-57.70N 076-14.20E
(c)	09-44.00N	076-17.50E	(d)	09-42.50N 076-09.50E
2. Safe flying height 10000 metres.				
3. Cancel this message on 23 Jan 2010.				
024. Cancel Navarea VIII Message 018 of 2010. India West Coast – Off Magdalla Port. Charts 21 254 2034 2101 INT 706. Hydrographic survey will be carried out by hydrographic vessel and four survey motor boats from 14 Jan 2010 to 02 Feb 2010 in area bounded by following coordinates				
(a)	21-05.00N	072-30.00E	(b)	21-13.00N 072-30.00E
(c)	21-13.00N	072-38.00E	(d)	21-05.00N 072-38.00E
2. Boats will be towing under water side scan sonar 25 mtrs astern.				
3. All vessels operating in vicinity are to maintain a safe distance from survey vessel and exercise caution.				
4. Cancel this message on 03 Feb 2010.				
025. Refer Navarea VIII Message 008 of 2010. India West Coast – Arabian Sea. Charts 21 208 255 256 2034 2044 INT 706. Following rigs moved to new positions				
	CE Thornton	21-41.36N		072-25.96E
	Sagar Kiran	19-21.86N		071-12.65E
	Trident 2	18-29.86N		072-15.01E
2. Wide berth requested.				
026. Refer Navarea VIII message 009 of 2010. India East Coast – Bay of Bengal. Charts 31 32 356 INT 706. Rig Deepwater Frontier moved to new position 14-47.08 N 080-39.50 E				
2. Wide berth requested.				
027. Bay of Bengal-Southern Portion. Charts 31 32 354 355 INT 706. Naval ships will carry out firing practice from 0230 UTC to 0930 UTC on 21 Jan 2010 in area bounded by				
(a)	16-30.00N	083-15.00E	(b)	16-52.00N 083-29.00E
(c)	17-08.00N	083-06.00E	(d)	16-46.00N 082-52.00E
2. Safe flying height 10000 metres.				
3. Cancel this message on 22 Jan 2010.				

SECTION – VI

CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West Coast of India Pilot (INP-1) Chapter 9 (Page-269 and 270)

Page 269, Article 9.24
Insert Photograph after Para 4

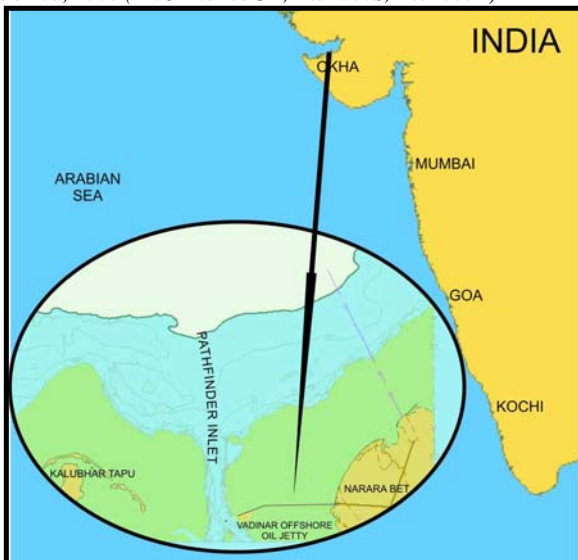


(Photo Courtesy: INS Investigator)
Kalubhar Tapu Light

Page 270, Delete Article 9.25 to 9.29 and replace by:

Vadinar Offshore Terminal

9.25
Chart-203, 2060 (ENC-IN3203GK, IN52060S, IN62060P)



(Photo Courtesy: INHO)

Extract of ENC- IN62060P (Pathfinder Inlet)

1 **Position.** Vadinar Offshore Terminal, a satellite port of Kandla (9.139) lies 5½ miles SE of the E end of the deep-water route (9.22). Vadinar Offshore Oil Jetty exists at position (22° 26' 39N, 69° 40' 35E),

2 **Function.** The port imports crude oil for Essar Refinery through Single Buoy Moorings (SBM) and exports refined product through jetty.

3 **Lighterage operation** is conducted within a circle of radius 1 NM centered at position (22° 32'.0 N, 69° 36'.5 E) from May to Oct. Vessels are advised to maintain a listening watch on VHF Ch 12 during lighterage operations.

4 **Arrival Information.** Vessels should send ETA 72, 48, and 24 hours in advance to the Harbour Master Kandla and to the local agents at Jamnagar.



(Photo Courtesy: INS Investigator)

View of Vadinar Jetty

9.26

1 **Pilotage.** To enter the port, pilotage is compulsory. The pilot boards the tankers about 3 miles NNW of the SBM III. Tankers are berthed during daylight hours, but may unberth at night.

2 **Port Radio.** 24 hrs watch on VHF Ch 67, 12 and 16.

3 **Directions.**

(a) **SBMs.** Vessels approaching the SBMs should reach to Pilot Boarding Station at position (22° 33'.00 N, 69° 38'.00 E) in depth of about 35m passing through the deep water route.

(b) **Vadinar Offshore Oil Jetty.** Vessels approaching the Vadinar Offshore Oil Jetty should reach to Pilot Boarding Station at position (22° 28'.55 N, 69° 39'.80 E) in depth of about 22m passing through the deep water route. After reaching (22° 27'.72 N, 69° 39'.92 E), the vessels should follow the bearing 172.5° taking forward and aft transit on line.

4 **Land Marks.**

(a) **Kalubhar Tapu Light.** (9.24)



(Photo Courtesy: INS Investigator)

Flood Light Tower at Vadinar Jetty

(b) **Flood light Tower on Vadinar Jetty.** at position (22° 26'.37 N, 69° 40'.51 E), height 12m.

9.27

1

Navigational Aids.(a) **Kalubhar Tapu Light.** (9.24)

(b) **SBMs.** Three SBMs exist NE of Pathfinder Inlet. A Racon (9.20) transmits, a light is exhibited and a horn fog signal sounded from SBM I. For details of Racon see relevant *List of Radio Signals.*

Details of SBMs is as follows:

SBMs	Position	Characteristics
SBM I	22° 30'.62 N 69° 42'.05 E	Fl W 15s Racon, Horn
SBM II	22° 30'.23 N 69° 40'.89 E	Fl W 15s
Essar Oil SBM (SBM III)	22° 30'.18 N 69° 39'.59 E	Fl R 15s



(Photo Courtesy: INS Investigator)

Oil Tanker Sky Way Moored with SBM I

(c) **Channel buoys.** The Pathfinder Inlet is demarcated with channel buoys as shown on the chart. Details of the same is as follows:

Buoy	Position	Characteristics
Buoy No 1	22° 27'.33 N 69° 39'.88 E	Fl G 8s
Buoy No 2	22° 27'.38 N 69° 40'.22 E	Fl(2)R 6s
Buoy No 3	22° 27'.12 N 69° 39'.88 E	Fl G 5s



Aft Transit



(Photo Courtesy: INS Investigator)

Fwd Transit

(d) **Transit Marks.** Two local transit marks have been laid by Kandla Port Trust to aid approach to Vadinar Offshore Oil Terminal. The transits lie on a bearing of 172.5°. Details of the same is as follows:

Transit Mark	Position	Characteristics
Forward	22° 25'.89 N 69° 40'.17 E	F R
Aft	22° 25'.49 N 69° 40'.23 E	Fl W

(e) **Beacons.** The entrance of the Vadinar channel is marked by two beacons, details of which is as follows:



Vadinar Port Beacon



Vadinar Stbd Beacon

(Photo Courtesy: INS Investigator)

Beacon	Position	Characteristics
Vadinar Port Beacon	22° 27'.70 N 69° 40'.30 E	Fl(2)R 5s 10m5M
Vadinar Stbd Beacon	22° 27'.55 N 69° 39'.81 E	Fl(2)G 5s 10m 5M

9.28

1 **Anchorage.** Vessels may obtain anchorage 4½ miles NW of the terminal, near the pilot boarding place, in a depth of about 35 m. Another anchorage is available inside the Vadinar channel about 1 mile S of the entrance of the channel.

2 **Prohibited anchorage.** Anchoring and fishing is prohibited, limits of which are shown on the chart.

3 **Tugs.** Four tugs of 50 Bollard Pull are available for berthing/unberthing/mooring by the Kandla Port Trust on 24 hrs prior intimation Communication with the tugs can be established on VHF Ch 12.

4 **Berthing and Wharfs.** The port consists of two berths; each berth is 309.5m in length and 20m in depth alongside. Both berths are provided with eight mooring dolphins with quick release hook with capstan. One of the berth is provided with three loading arms while other with four loading arms.

5 Six mooring buoys for the vessels awaiting a berth were laid in the Vadinar Channel by Kandla Port Trust. Details of the mooring buoys is as follows:

Buoy	Position
Mooring Buoy (Fl 6s)	22° 26'.11 N, 69° 39'.95 E
Mooring Buoy	22° 27'.56 N, 69° 40'.16 E
Mooring Buoy	22° 27'.31 N, 69° 39'.86 E
Mooring Buoy	22° 26'.91 N, 69° 39'.86 E
Mooring Buoy	22° 26'.22 N, 69° 40'.45 E
Mooring Buoy	22° 26'.98 N, 69° 39'.91 E

9.29

1 **Traffic.** The annual (for the year 2008-09) traffic handled by the SBM and the Vadinar Offshore Terminal is as follows:

	Number of Ships	Tonnage handled (Metric Tonne)
SBM	110	13499391
Jetty	220	7084593

2 **Maximum size of vessels handled.** The port can handle vessels with a draught of 13.5m as on Dec 2009.

3 **Cargo Handling.** Roll on/ roll off facility is available in the port.

4 **Repair.**

(a) Hull, machinery and underwater repair facilities can be obtained on request from Vadinar Oil Terminal Ltd.

(b) Divers/diving assistance can be obtained.

5 **Supplies.**

(a) Charts through Chart Agent and

(b) Provisions on request from Essar Oil Terminal Ltd.

6 **Pollution Control.** As per prevailing rules of Govt. of India and Gujarat State pollution control.

7 **Security.** Port complies with all the requirements of International Ship & Port Facility Security Code (ISPS)

8 **Services.** Radio/ Telegrams/ Telephony/ FAX, Medical, Quarantine, Ship Chandlery/stevedores, Tank Cleaning, Police, Ambulance, Fire Fighting, Navigational warnings and weather bulletins, Garbage and Waste Oil Disposal services are available on request from Essar Control Room.

9 **Communications.**

Nearest Highway – (a) SH-6C, (b) NH-8E(170km)

Nearest Railhead – Jamnagar (70km)

Nearest Airport – Jamnagar (70km)

10 **Clubs/Recreation.**

(a) Foreign exchange firms/banks.

(a) Bank of India, Vadinar

(b) State Bank of India Refinery site Khambaliya

(b) Places of interest near port.

(a) Marine National Park

(b) Dwaraka Temple

(c) Hotels/ Restaurants

(a) Essar Oil Club

(b) Hotel Express (Indian, Chinese, Continental foods)

11 **Weather.**

(a) Season- Summer/Winter/Monsoon

(b) Wind Speed/Direction

S'ly/Max-35kn (Oct-Apr)

N'ly/Max-30kn

(c) Max/Min Temperature- 10°/45°C

(d) Rainfall- 96cm(Max)

12 **Port Authority.** is exercised by:

Capt Deepak Sachdeva

Head Marine

Vadinar Oil Terminal Ltd

Essar Refinery Site, Vadinar

Jamnagar

Gujarat-361010

Tel: +91 0288 241777

FAX: +91 0288 241779

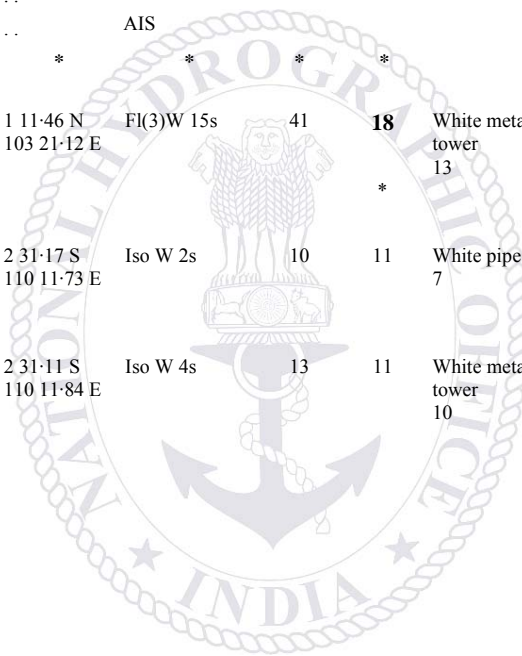
Mob: +91 9925153618

Email: votl@essar.com

Web: www.essar.com

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6483.2	-Ldg Lts 290° 15'. Front	28 47-49 S 32 02-16 E	Oc(2)R 6s By day F R	54	..	Framework tower 51	<i>ec 1, lt 1, ec 1, lt 3</i>
---	---	..	* * *				*
D6483-21	- Ldg Lts 290°15'. Rear. 1550m from front	28 47-22 S 32 01-31 E	Oc(2)W 6s By day F W	72	..	Framework tower 68	<i>ec 1, lt 1, ec 1, lt 3</i>
----	----	..	* * *				*
D7393-87	-Fairway	25 54-92 N 51 42-01 E	Iso W 4s Horn 10s Racon AIS	..	10	Red ◻ on red and white striped pillar buoy	Safe Water Mark ILRS Vol 2 Station 77480
--	--	..					
--	--	..					
--	--	..					
*	*	*	* * *				*
F1674	Pulau Iyu Kecil (I)	1 11-46 N 103 21-12 E	Fl(3)W 15s	41	18	White metal framework tower 13	<i>(fl 0-5, ec 2) x 2, fl 0-5, ec 9-5. Vis 055°-325°(270°).</i> Obscured by Pulau Iyu Kecil
					*		
K1409-8	- Kendawangan. Ldg Lts. Front	2 31-17 S 110 11-73 E	Iso W 2s	10	11	White pipe 7	TE 2009 *
	*						
K1409-81	- Kendawangan. Ldg Lts. Rear	2 31-11 S 110 11-84 E	Iso W 4s	13	11	White metal framework tower 10	TE 2009 *
	*						



SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 07 dated 01 Apr 2009)

NIL

INP 31(2), 2007

(Last correction: Edition No. 21 dated 01 Nov 2009)

NIL

BA, VOLUME 3 Part 1, NP 283(1), 2006/07

(Last correction: Edition No. 15 dated 01 Aug 2006)

NIL

INP 31(5), 1997

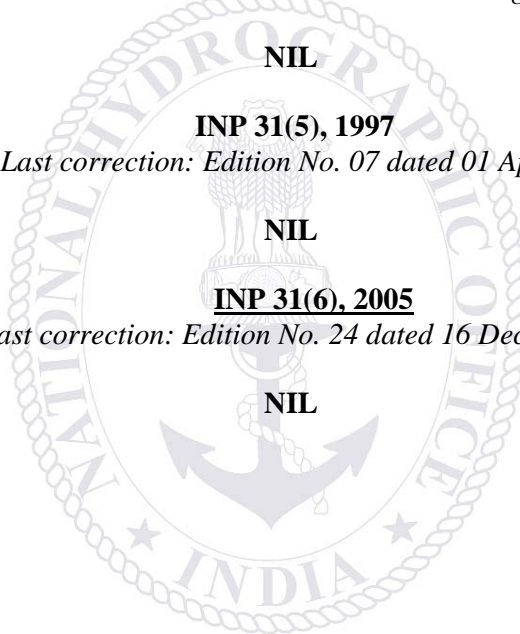
(Last correction: Edition No. 07 dated 01 Apr 09)

NIL

INP 31(6), 2005

(Last correction: Edition No. 24 dated 16 Dec 2009)

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

Depth Reporting

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

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

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

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

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

I.H. 102

HYDROGRAPHIC NOTE

(For Reporting Navigational Dangers/ Changes observed at Sea by Mariners)

1. Name of ship or sender	
2. Address of sender	
(i) E-mail	
(ii) Fax No.	
(iii) Tel. No.	
3. General Locality	
4. Chart / Publication Affected:	
(i) Chart published by INHO / UKHO / other (Specify).	
(ii) Chart No.	
(iii) Edition Date.	
(iv) Latest Edition of Indian N to M held	
5. Details of Changes / Dangers Observed.	
Object of Change.	
(i) Date/Time of observation	
(ii) Charted Observed	
(iii) Position/Area	
(a) Bathymetry:	
(i) Depth	
(ii) Depth Contour	
(iii) Channel Depth	
(b) Navigational Dangers:	
(i) New Shoals	
(ii) New Rocks	
(iii) New Reefs	
(iv) New Wrecks	
(v) New Nav-aid (Specify)	
(c) Casualties to existing Nav-Aids:	
(i) Buoys	
(ii) Lights	
(iii) Fog signals	
(iv) Racons	
(v) Transit Marks	
(vi) Leading Lines	
(vii) Clearance bearings	
(d) Designated Areas:	
(i) Exercise Areas	
(ii) Prohibited Areas	
(iii) Pilot Station	
(iv) Anchorage	
(v) Foul Ground	

(e) Port Information:	
(i) Berthing	
(ii) Cranage	
(iii) Tugs	
(iv) Dry Docks	
(v) Repair Facilities	
(vi) Pilotage	
(vii) Fuel	
(viii) Water	
(ix) Any other (Specify)	
(f) Environmental Data	
(i) Met information	
(ii) Tides and Tidal Stream	
(iii) Pollutants	
(iv) Effluents	
(v) Marine Life / Habitats	
(g) Other changes, if any, with Details:	
6.Information on the Positions of Danger / Changes Reported above:	
(a) Positioning System used	
(b) Datum [WGS/Everest/ Local (Specify)]	
(c) Accompanying plots / photographs if any	
7.Information on the Soundings / Depths Reported above:	
(a) Echo Sounder (Type) used	
(b) Draught of Vessel set on Echo Sounder	
(c) Observed water depth vis-à-vis charted depth	
(d) Echo-gram accompanying this report: Yes / No	
(e) Whether voltage drop existed in equipment at observation time	
(f) Data and Time of depth observation	
8. Limitations if any in Reporting the changes above	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date

I.H. 102a**HYDROGRAPHIC NOTE FOR PORT INFORMATION****(For Reporting Changes to Port Information)**

1 Name and Address of the Port.	
(a) Name	
(b) Address	
(c) Phone No's	
(d) Web Site	
(e) E Mail	
2 General Remarks	
(a) Principal activities and trade	
(b) Number of ships and tonnage handled per year	
(c) Maximum size of draught of vessel handled	
(d) Soft copy of port handbook	
3 Anchorages	
(a) Type/Purpose	
(b) Minimum depth	
(c) Shelter afforded	
(d) Holding Ground	
(e) Recommended Pilotage to the anchorages	
(f) Request Pilots appreciation to the approach of anchorage area	
4 Pilotage	
(a) Authority for request	
(b) Embarkation Position	
(c) Regulations	
(d) Documents to be provided	
(e) Request Pilots appreciation to the approach of inner harbor and berths.	
(f) Information on Vessel Traffic Management System (VTMS).	
(g) Navigational aid	
(i) List of beacons	
(ii) Buoys	
(iii) Lighthouses	
(iv) Any other information	
5 Directions	
(a) Entry and berthing information	
(b) Tides (Range of the tides)	
(c) Tidal stream information in the area	
(d) Type of season (max/min temperature, rain fall, wind speed and direction)	
6 Pollution Control	
Local regulation in force (if any)	

7 Tugs	
(a) Number available/Type	
(b) Maximum HP/Bollard Pull	
(c) Requesting authority	
(d) Availability times	
(e) Communication with tugs	
(f) Hiring charges	
8 Berthing and wharves	
(a) Type & number of berths available	
(b) Length	
(c) Depth alongside	
(d) Facilities available	
(e) Procedure for requesting berth and hiring charges.	
9 Cargo Handling	
(a) Containers	
(b) Lighters	
(c) Roll on / Roll off etc.	
10 Cranes	
(a) Brief details max lifting capacity, height of boom at warf level and outreach	
(b) Container handling facilities.	
11 Bridges	
Vertical clearance	
12 Repairs	
(a) Hull machinery and underwater	
(b) Ship and boat yards	
(c) Docking or slipway facilities (size or dimensions of vessels handled)	
(d) Hards and ramps	
(e) Divers/Diving Assistance	
13 Rescue and distress	
(a) Salvage, lifeboats, life guards etc	
14 Supplies	
(a) Fuel (type and quantities available)	
(b) Fresh water and rate of supply	
(c) Provisions	
(d) Chart agents	
15 Services	
(a) Radio/telegram/fax /telephone	
(b) Internet	
(c) Medical	
(d) Quarantine	
(e) counsel	
(f) Ship chandlery and stevedores	
(g) Compass adjustment	
(h) Tank cleaning	
(j) Hull painting	
(k) Police	
(l) Ambulance	

(m) Fire fighting (fixed and mobile facilities)	
(n) Navigational warning and weather bulletin	
(p) garbage disposal	
(q) Waste oil disposal	
(r) Helicopter landing facilities	
16 Communications	
(a) Road, rail and air services available	
(b) Nearest airport or airfield	
(c) Port radio and information service (Frequencies and operating hours)	
17 Port Authority	
Designation, address and phone number	
18 Security	
(a) Security of ports/ International Ship and Port Facility (ISPS) competence	
(b) Container Security Initiative (CSI)	
(c) Custom and Immigration regulation in ports	
19 Small craft facilities	
(a) Information and facilities for small craft yachts visiting the port	
(b) Yacht clubs, berths etc	
20 Shore leave	
21 Clubs recreation	
(a) information kiosk (location)	
(b) Foreign exchange firms/banks (within/near port area)	
(c) Places of interest near port	
(d) Hotels/ restaurants (Type of food served e.g Chinese, continental etc)	
22 Views (duly annotated), photographs (where permitted) of the approaches, leading marks, the entrance to the harbor etc.	
23 Any other information considered to be useful for the mariners	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date

To accompany Indian Notice to Mariners 044/10

Chart 220

FIRING PRACTICE AREA

Firing Practices take place in this area. For details see Notices to Mariners Special Edition Notice No 9.

To accompany Indian Notice to Mariners 044/10

Chart 2029

FIRING PRACTICE AREA

Firing Practices take place in this area. For details see Notices to Mariners Special Edition Notice No 9.

