



# INDIAN NOTICES TO MARINERS FOR 2009

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

EDITION No. 18 DATED 16 SEP 2009

(CONTAINS NOTICES 304 TO 319)

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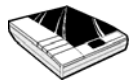
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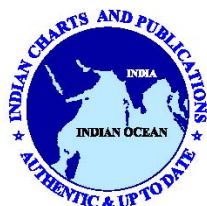
**Mariner's Obligation and A Chart Maker's Plea.** Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt.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

**Chief Hydrographer  
to the Government of India**

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

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

## **EXPLANATORY NOTES**

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

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

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

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

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

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

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

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

**Radio Navigational Warnings.**

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

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

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

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

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

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

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

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

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

**INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE**

(a) **NEW EDITION INDIAN CHART**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>2072</b>	31-07-2009	<b>SHIRALI AND BHATKAL</b>  <u>Limits</u> 13° 52'.70N; 74° 15'.80E. 14° 05'.70N; 74° 36'.20E.	37,500	3	Rs. 1527.00*

(b) **INDIAN CHARTS PERMANENTLY WITHDRAWN**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
<b>2072</b>	31-12-2003	<b>SHIRALI AND BHATKAL</b>	2027	31-07-2009
<b>2014 (BHATKAL)</b>	31-12-2003	<b>BHATKAL</b>  <u>Limits</u> 13° 55'.05N; 74° 29'.10E. 13° 59'.03N; 74° 34'.41E.		

(c) **FORTHCOMING CHARTS**

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>2036</b>	<b>MURUD JANJIRA HARBOUR</b>	25,000	New Edition
<b>3003</b>	<b>PONDICHERRY ANCHORAGE</b>	25,000	New Edition
	<b>CUDDALORE ANCHORAGE</b>	25,000	
<b>3026</b>	<b>APPROACHES TO VADAREVU AND NIZAMPATNAM BAY</b>	80,000	New Edition

(d) **NEW EDITION INDIAN ELECTRONIC NAVIGATIONAL CHART**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1	<i>IN42035K</i>	2035	<b>KALPANI AND CHERIYAM ISLANDS</b>	15-06-2009
2	<i>IN43001M</i>	3001	<b>APPROACHES TO CHENNAI</b>	30-11-2008

(e) **ELECTRONIC NAVIGATIONAL CHART PERMANENTLY WITHDRAWN**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1	<i>IN42035K</i>	2035	<b>KALPANI AND CHERIYAM ISLANDS</b>	15-05-1992
2	<i>IN43001M</i>	3001	<b>APPROACHES TO CHENNAI</b>	15-09-2002

\* Indicates revised rates w.e.f 01 Aug 2009. For more details please visit our website [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in) .

**AVAILABILITY OF ENCs:**

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

The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248 001 Tele: +91 135 2747365 Fax: +91 135 2748373 Email: <a href="mailto:incho@dataone.in">incho@dataone.in</a> Website: <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a>	Director, Jeppesen Marine Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> Website: <a href="http://www.c-map.co.in">www.c-map.co.in</a>	United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: <a href="mailto:helpdesk@ukho.gov.uk">helpdesk@ukho.gov.uk</a> Web site: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>
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**SECTION – I****List of charts affected by****The Notices 304 to 319 contained in this Edition**

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	318(T)
22 (INT 752)	3	308
32 (INT 754)	5	304, 312
208	2	306
210	2	318(T)
211	3	318(T)
216	3	308
217	3	310
220	3	311, 319(T)
255 (INT 7334)	3	318(T)
257 (INT 7343)	3	308
258 (INT 7348)	3	308, 310
259 (INT 7356)	3	311, 319(T)
260 (INT 7362)	3	311, 319(T)
272	4	308, 310
292 (INT 7021)	2	318(T)
293 (INT 7022)	3	308, 310
352 (INT 7416)	5	313
357 (INT 7397)	5	304, 312
402	6	315
408	6	314
409	6	314
2002 (INT 7351)	3	309
2004 (INT 7359)	3	311, 319(T)
2021	2	305
2026	2	307
2029 (INT 7358)	3	311, 319(T)
2039	2	306
2044	2	306
2052 (INT 7350)	3	310
2079	2	305
2082	2	306
3010 (INT 7418)	5	313
3025	5	312
3029	5	312
4003	6	315
4017	6	314
4040	6	316
7705 (INT 705)	1	308
7706 (INT 706)	1	308
8012	1	317

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

<b>*304/(18/09) Miscellaneous updates to charts</b>		
Source: NHO Dehradun		
<b>Chart</b>	<b>Previous Updates</b>	<b>Details</b>
<b>32</b> <b>(INT 754)</b>	159/09	Amend accompanying note Title to 'GAS AND OIL FIELD DEVELOPMENT AREA' and read , 'See Special Edition Notices No 20' for , 'See Special Edition Notices No 21'; centered on; 14° 30'·0N., 077° 00'·0E.
<b>357</b> <b>(INT 7397)</b>	242/09	Amend accompanying note Title to 'GAS AND OIL FIELD DEVELOPMENT AREA' and add, 'For details see Notices to Mariners Special Edition Notices No 20' after paragraph; centered on; 12° 38'·0N., 079° 59'·0E.

**\*305/(18/09) INDIA – WEST COAST – Mundra Port – Lights.**

Indian List of Lights Vol. F & K 2003; F:- 0361.8,0361.81

Source: NHO Dehradun

(HJ/1131/20)

**Chart 2079** [previous update 136/09]

Amend light to, Q(G) 19m 22° 45'·12N., 69° 42'·11E.  
light to, Oc(G) 34m 22° 45'·50N., 69° 41'·59E.

**Chart 2021** [previous update 136/09]







Amend light to, Q(G) 19m 22° 45'·12N., 69° 42'·11E.  
light to, Oc(G) 34m 22° 45'·50N., 69° 41'·59E.

**\* 306/(18/09) INDIA -WEST COAST – Gulf of Khambhat – Dahej Harbour – Buoys.**

Source: Reliance Industries Limited

(HJ/1130/17)

**Chart 208** [previous update 297/09]








Insert No.1  21° 36'·35N, 72° 32'·05E  
Substitute No.2  for No.1  21° 36'·30N, 72° 31'·87E  
Delete No.2  21° 36'·30N, 72° 32'·05E  
No.3  21° 37'·10N, 72° 32'·20E  
 21° 37'·62N, 72° 32'·22E

**Chart 2044** [previous update 297/09]

Insert No.1  21° 36'·35N, 72° 32'·05E  
Substitute No.2  for No.1  21° 36'·30N, 72° 31'·87E  
Delete No.2  21° 36'·30N, 72° 32'·05E

**\* 306/(18/09) INDIA -WEST COAST – Gulf of Khambhat – Dahej Harbour – Buoys (Continue).**

**Chart 2039** [previous update 285/09]

Insert	No.1			21° 36′.35N, 72° 32′.05E		
Substitute	No.2		for	No.1		21° 36′.30N, 72° 31′.87E
Delete	No.2			21° 36′.30N, 72° 32′.05E		
	No.3			21° 37′.02N, 72° 32′.18E		
	No.5			21° 37′.64N, 72° 32′.23E		
	No.6			21° 37′.41N, 72° 32′.32E		

**Chart 2082** [previous update 285/09]

Delete	No.3			21° 36′.69N, 72° 32′.12E
	No.4			21° 37′.08N, 72° 32′.04E
	No.5			21° 37′.41N, 72° 32′.38E

**\* 307/(18/09) INDIA – WEST COAST – Revadanda Port – Wreck.**

Source: INS Nirdeshak ROS C(N)-508

(HJ/1030/87)

**Chart 2026** [previous update 126/09]




Delete	 Mast	18° 32′.60N., 72° 55′.40E.
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**\* 308/(18/09) INDIA – WEST COAST – Approaches to Shirali and Bhatkal – Wrecks. Foul. Depth.**




Source: NHO Dehradun

(HJ/1030/45)





**Chart 22 (INT 752)** [previous update 286/09]

Substitute		for		(a)	13° 55′.3N., 74° 24′.6E.
Insert	depth, 11 <sub>9</sub> enclosed by 20m contour, close SW of :				(a) above
Delete	 PA				14° 00′.0N., 74° 16′.0E.

**Chart 293 (INT 7022)** [previous update 286/09]

Substitute		for		(a)	13° 55′.3N., 74° 24′.6E.
Insert	depth, 11 <sub>9</sub> enclosed by 20m contour, close SW of :				(a) above
Delete	 PA				14° 00′.0N., 74° 16′.0E.






**Chart 272** [previous update 299/09]

Insert		(a)	13° 55′.3N., 74° 24′.6E.
	depth, 11 <sub>9</sub> enclosed by 20m contour, close SW of :		
Delete	 PA		13° 54′.0N., 74° 30′.0E.
			14° 00′.0N., 74° 16′.0E.
			13° 50′.8N., 74° 11′.0E.






**\* 308/(18/09) INDIA – WEST COAST – Approaches to Shirali and Bhatkal – Wrecks. Foul. Depth (Continue).**






**Chart 257(INT 7343)** [previous update 299/09]

Substitute	 for 	(a)	13° 55′.3N., 74° 24′.6E.
Insert	depth 11 <sub>9</sub> enclosed by 20m contour, close SW of :	(a)	above
Delete	   PA		14° 02′.53N., 74° 26′.50E. 13° 54′.0N., 74° 30′.0E. 14° 00′.0N., 74° 16′.0E.

**Chart 258(INT 7348)** [previous update 299/09]

Substitute	 for 	(a)	13° 55′.3N., 74° 24′.6E.
Insert	depth 11 <sub>9</sub> enclosed by 20m contour, close SW of :	(a)	above
Delete			13° 54′.0N., 74° 30′.0E.

**Chart 216** [previous update 296/09]

Substitute	 for 	(a)	13° 55′.3N., 74° 24′.6E.
Insert	depth 11 <sub>9</sub> enclosed by 20m contour, close SW of :	(a)	above
Delete	   PA		14° 02′.53N., 74° 26′.50E. 13° 54′.0N., 74° 30′.0E. 14° 00′.0N., 74° 16′.0E.

**Chart 7705 (INT 705)** [previous update 286/09]

Delete	 		14° 00′.0N., 74° 16′.0E. 13° 50′.8N., 74° 11′.0E.
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**Chart 7706 (INT 706)** [previous update 290/09]







Delete	 		14° 00′.0N., 74° 16′.0E. 13° 50′.8N., 74° 11′.0E.
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**\* 309/(18/09) INDIA – WEST COAST – Port of New Mangalore – Landmarks.**

Source: NHO Dehradun

(HJ/1030/25)

**Chart 2002 (INT 7351)** [previous update 288/09]

Substitute	 Port Control Office for  SS (Port Control & Storm)		12° 55′.83N., 74° 48′.41E.
	 SS (Port Control & Storm) for 		12° 55′.78N., 74° 48′.43E.
	 (10) for 		12° 55′.84N., 74° 48′.32E.

**\* 310/(18/09) INDIA – WEST COAST – Port of New Mangalore – Buoy.**

Source: DLL Jamnagar

(HJ/1030/25)

**Chart 293 (INT 7022)** [previous update 308/09]

Insert	 VQ(9).10s		12° 48′.80N., 74° 43′.50E.
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**Chart 272** [previous update 308/09]

Insert	 VQ(9).10s		12° 48′.80N., 74° 43′.50E.
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**\* 310/(18/09) INDIA – WEST COAST – Port of New Mangalore – Buoy (Continue).**


**Chart 258 (INT 7348)** [previous update 308/09]

Insert  VQ(9).10s 12° 48'·80N., 74° 43'·50E.

**Chart 217** [previous update 298/09]

Insert  VQ(9).10s 12° 48'·80N., 74° 43'·50E.

**Chart 2052 (INT 7350)** [previous update 298/09]

Insert  VQ(9).10s 12° 48'·80N., 74° 43'·50E.

**\*311/(18/09) INDIA – WEST COAST – Kochi (Cochin) Harbour – Pilot Boarding Place.**

Source: Kochi (Cochin) Port Trust

(HJ/930/93)

**Chart 259 (INT 7346)** [previous update 265/09]

Delete  9° 58'·55N., 76° 09'·25E.

**Chart 260 (INT 7352)** [previous update 265/09]

Delete  9° 58'·55N., 76° 09'·25E.

**Chart 220** [previous update 265/09]

Insert  9° 57'·74N., 76° 08'·37E.

Delete  9° 58'·55N., 76° 09'·25E.

**Chart 2029 (INT 7358)** [previous update 265/09]

Insert  9° 57'·74N., 76° 08'·37E.

Delete  9° 58'·55N., 76° 09'·25E.

**Chart 2004 (INT 7359)** [previous update 265/09]

Insert  9° 57'·74N., 76° 08'·37E.

Delete  9° 58'·55N., 76° 09'·25E.

**\*312/(18/09) INDIA – EAST COAST – Porto Novo and Tirukkadaiyar – Oil Field Development Area. Pipeline.  
Legend. Platform. Note.**

Source: Hindustan Oil Exploration Company Limited.

(HJ/1030/10)

**Chart 32 (INT 754)** [previous update 304/09]

Insert 'Gas & Oil Field Development area' Pecked line, - - - - -, (a) 11° 31'·07N., 79° 52'·59E.  
joining:

(b) 11° 33'·22N., 79° 55'·13E.

(c) 11° 29'·44N., 80° 00'·08E.

(d) 11° 26'·39N., 79° 57'·28E.

Legend, 'PY – 1' (See Note) ,within

 SUN HOEC

(a) – (d) above

11° 30'·01N., 79° 56'·13E.

**Chart 357 (INT 7397)** [previous update 304/09]

Insert 'Gas & Oil Field Development area' Pecked line, - - - - -,  
joining:



11° 31'·07N., 79° 52'·59E.

11° 33'·22N., 79° 55'·13E.



11° 29'·44N., 80° 00'·08E.

11° 26'·39N., 79° 57'·28E.




**\*312/(18/09) INDIA – EAST COAST – Porto Novo and Tirukkadaiyar – Oil Field Development Area. Pipeline. Legend. Platform. Note. (Continue).**

Insert	 SUN HOEC	
	Gas Pipeline  , joining:	(a) 11° 30′.01N., 79° 56′.13E. 11° 29′.99N., 79° 56′.13E. 11° 27′.95N., 79° 56′.24E. 11° 25′.14N., 79° 56′.37E. 11° 21′.97N., 79° 56′.52E. 11° 19′.81N., 79° 56′.66E. 11° 17′.55N., 79° 56′.78E. 11° 17′.09N., 79° 56′.80E. 11° 14′.39N., 79° 56′.94E. 11° 11′.68N., 79° 57′.07E. 11° 09′.01N., 79° 57′.21E. 11° 06′.82N., 79° 57′.16E. 11° 06′.51N., 79° 56′.75E. 11° 05′.72N., 79° 54′.10E.
	Legend, 'GAS' along	(b) 11° 04′.80N., 79° 51′.44E. (Shore) (a) – (b) above

**Chart 3025** [previous update NE 31 Aug 09]

Insert	'Gas & Oil Field Development area' Pecked line, - - - - - , joining:	11° 30′.99N., 79° 58′.50E. (E Border) 11° 33′.31N., 79° 55′.05E. 11° 31′.16N., 79° 52′.51E. 11° 26′.48N., 79° 57′.20E.
	 SUN HOEC	11° 28′.15N., 79° 58′.50E. (E Border)
	Gas Pipeline  , joining:	(a) 11° 30′.08N., 79° 56′.05E. (b) 11° 28′.04N., 79° 56′.16E. (c) 11° 25′.90N., 79° 56′.26E. (S Border)
	legend, 'GAS' along:	(a) – (b) above (b) – (c) above
	Legend, 'PY – 1 Gas & Oil Field Development Area' , centered on: Accompanying Note 'Gas & Oil Field Development Area' centered on:	11° 31′.20N., 79° 55′.80E. 11° 27′.10N., 79° 47′.10E.

**Chart 3029** [previous update NC 31 Jul 01]

Insert	Gas Pipeline  , joining:	11° 07′.01N., 79° 57′.11E. (N Border) 11° 06′.82N., 79° 57′.16E.
	legend, 'GAS' along:	(a) 11° 06′.51N., 79° 56′.75E. (b) 11° 05′.72N., 79° 54′.10E. (c) 11° 04′.80N., 79° 51′.44E. (Shore) (a) – (b) above (b) – (c) above
Delete	 	11° 05′.12N., 79° 52′.52E. 11° 05′.83N., 79° 54′.28E.

**\*312/(18/09) INDIA – EAST COAST – Porto Novo and Tirukkadaiyar – Oil Field Development Area. Pipeline. Legend. Platform. Note. (Continue).**

**Chart 3029 (Plan)** [previous update NC 31 Jul 01]

Insert	Gas Pipeline  , joining:	(a)	11° 05′.10N., 79° 52′.31E.(N Border)
		(b)	11° 04′.80N., 79° 51′.44E. (Shore)
	legend, 'GAS' along:	(a) – (b) above	

**\* 313/(18/09) INDIA – EAST COAST – Approaches to Paradip – Wreck.**

Source: Paradip Port Trust

(HJ/1129/03)

**Wreck of MV Black Rose**

**Chart 352 (INT 7416)** [previous update NE 31 Jul 09]

Insert		20° 12′.80N., 86° 38′.85E.
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**Chart 3010 (INT 7418)**[previous update 601/08]

Insert		20° 12′.80N., 86° 38′.85E.
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**\*314/(18/09) INDIA – NICOBAR ISLANDS – Nancowry Harbour and Approaches – Light.**

Source: NHO Dehradun

(HJ/928/86)

**Chart 408**[previous update 445/08]

Delete	 Fl.5s	8° 01′.97N., 93° 32′.58E.
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**Chart 409** [previous update 364/08]

Delete	 Fl.5s	8° 01′.97N., 93° 32′.58E.
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**Chart 4017** [previous update 086/08]

Delete	 Fl.5s	8° 01′.97N., 93° 32′.58E.
--------	---	---------------------------

**\*315/(18/09) INDIA – LITTLE ANDAMAN ISLANDS – Port Cornwallis – Beacon.Wreck.**

Source: Hydrographic Note - IN LCU L-33

(HJ/1028/36)

**Chart 402** [previous update 492/05]

Insert		13° 16′.90N., 93° 01′.61E.
--------	---	----------------------------

Delete		13° 16′.84N., 93° 01′.71E.
--------	---	----------------------------

**Chart 4003**[previous update 509/05]

Insert		13° 16′.85N., 93° 02′.87E.
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		13° 17′.44N., 93° 02′.56E.
--	--	----------------------------

		13° 16′.90N., 93° 01′.61E.
--	---	----------------------------

Delete		13° 16′.78N., 93° 02′.96E.
--------	---	----------------------------

		13° 17′.50N., 93° 02′.65E.
--	--	----------------------------

		13° 16′.84N., 93° 01′.71E.
--	---	----------------------------

**Chart 4003 (Plan - Ariel Bay)** [previous update 509/05]

Insert		13° 16′.90N., 93° 01′.61E.
--------	---	----------------------------

**\*316/(18/09) INDIA – ANDAMAN ISLANDS – Mayabandar Harbour – Beacon.**

Source: Hydrographic Note - IN LCU L-33

*(HJ/1028/27)***Chart 4040***[previous update 067/09]*

Insert



PA

12° 55′.630N., 92° 53′.627E.

**317/(18/09) SAUDI ARABIA - Red Sea Coast - Approaches to Yanbu 'Al Bahr - Depths.**

Source: BA Notice – 5011/09.

*(HJ/1034/32)***Chart 8012***[previous update 354/02]* (WGS 84 Datum)

Insert

depth 612

(a) 23° 55′.07N., 37° 29′.22E

Delete

depth 689, adjacent to:

(a) above

**SECTION – III: TEMPORARY AND PRELIMINARY NOTICES****\*318(T)/(18/09) INDIA – WEST COAST– Satpati - Light.**

Source: DLL, Mumbai

(HJ/1030/97)

1. Satpati Light, position 19° 43′:25N., 72° 42′:20E has been reestablished with new 30 meter RCC tower and range of 20 NM on trial.
2. Mariners to exercise caution.

**Charts affected – 21 – 292 (INT 7021) – 255 (INT 7334) – 210 – 211 .**

**\*319(T)/(18/09) INDIA – WEST COAST– Kochi (Cochin) Harbour - Buoys.**

Source: Hydrographic Note INS Sarvekshak and INS Sutlej

(HJ/930/93)

1. Kochi Channel Buoy No. 4 retrieved for maintenance.
2. Super structure of fairway is missing.
3. Mariners to exercise caution.
4. ***Cancel former INM 553(T)/08.***

**Charts affected – 259 (INT 7356) – 260 (INT 7363) – 220 – 2029 (INT 7358) – 2004(INT 7359).**

## SECTION – IV: MARINE INFORMATION

### MUMBAI NAVTEX COAST STATION

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

(Source - NAVAREA VIII Warning 305/08)

### Distribution of Indian Paper Charts and Nautical Publications

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

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

## SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE

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

2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 15 Sep 09, covering the entire world are listed below against the respective NAVAREA.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
I	N.E. Atlantic	243	<b>2008 Series:</b> 341 377 387. <b>2009 Series:</b> 055 170 180 200 205 209 211 216 219 220 224 227 228 230 239 241 242 243.
II	E. Atlantic	232	<b>2009 Series:</b> 104 219 224 225 226 229 230 231 232.
III	Mediterranean	347	<b>2008 Series:</b> 412 512. <b>2009 Series:</b> 176 186 217 250 251 278 305 314 324 328 329 331 332 334 339 340 341 342 343 344 345 347.
IV	N.W. Atlantic	379	<b>2009 Series:</b> Nil
V	W. Atlantic	1856	<b>2009 Series:</b> 876.
VI	S.W. Atlantic	220	<b>2009 Series:</b> Nil.
VII	S.E. Atlantic	169	<b>2009 Series:</b> 125 126 128 152 156 159 162 167 169.
VIII	Indian Ocean	406	<b>2009 Series:</b> - 282 340 344 352 357 367 376 378 380 385 387 388 389 390 392 393 394 395 396 397 398 399 400 401 402 403 404 405

3. NAVAREA Warnings issued during the period from 01 Sep 09 to 15 Sep 09 (both dates inclusive) are as tabulated below:-

<b>387. India West Coast- Salaya Channel.</b> Charts 21 203 291 2068 INT 705. Paga buoy in position 22-35.38N 069-14.40E unlit. 2. Mariners to exercise caution.
<b>388. India West Coast- Gulf of Kachchh .</b> Charts 21 203 292 2068 INT 705. Tilburn buoy in position 22-37.2N 069-31.9E unlit. 2. Mariners to exercise caution.
<b>389. India West Coast- Gulf of Kachchh.</b> Charts 21 203 292 2068 INT 705. Ranwara buoy in position 22-39.18N 069-19.77E off station. 2. Mariners to exercise caution.
<b>390 – 391. Cancelled.</b>
<b>392. Indian Ocean – Off Dondra Hd.</b> Charts 23 32 33 226 264 2064 INT 707. Submerged floating metallic object approximate dimension 15 ft high and 20 ft wide adrift in approximate position 05-34.00N 081–54.00E. 2 Mariners to exercise caution.



**393. Cancel Navarea VIII message 358 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

ABAN II	20-06.65N	072-04.06E
ABAN III	19-25.13N	071-21.11E
ABAN IV	18-40.36N	072-21.46E
ABAN V	18-48.40N	072-20.00E
BADRINATH	18-36.36N	071-21.93E
CE THROTON	19-20.48N	072-12.11E
DISCOVERY 1	20-20.16N	072-01.35E
ENERGY DRILLER	09-07.75N	075-54.83E
FG MCCLINTOCK	17-45.38N	072-31.43E
JT ANGEL	18-34.95N	072-14.45E
KEDARNATH	20-43.31N	072-38.81E
NOBLE GEORGE MCLEOD	18-39.66N	072-13.33E
NOBLE CHARLIE YESTER	19-27.50N	071-22.93E
NOBLE ED HOLT	18-33.63N	072-14.93E
PRIDE HAWAI	19-21.80N	071-23.83E
PRIDE PENNSYLVANIA	19-18.21N	071-15.95E
RANDOLPH YOST	18-29.85N	072-15.00E
RON TAPMEYER	19-12.00N	072-11.00E
SAGAR GAURAV	19-28.60N	071-12.63E
SAGAR JYOTI	19-36.61N	071-22.90E
SAGAR KIRAN	19-24.05N	071-19.05E
SAGAR LAXMI	18-36.15N	071-01.63E
SAGAR PRAGATI	19-38.26N	071-19.93E
SAGAR SAMRAT	19-32.13N	071-18.81E
SAGAR SHAKTI	19-32.65N	071-21.35E
SAGAR UDAY	19-21.96N	071-19.56E
TRIDENT – 2	18-37.23N	072-14.93E
TRIDENT – 12	18-29.05N	072-15.15E
VIRTUE 1	19-23.48N	071-25.18E
ENSCO 53	19-22.38N	072-00.60E
GREATDRILL CHETNA	20-32.30N	072-08.90E
DHIRUBHAI DEEPWATER KG-1	09-57.80N	075-12.31E

2. Wide berth requested.

<b>394. Cancel Navarea VIII messages 359 373 374 375 and 383 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</b>			
	DISCOVERER SEVEN SEAS	19-50.08N	088-28.66E
	DEEP SEA MATDRILL	16-22.11N	081-57.75E
	HERCULES 258	16-40.43N	082-24.00E
	HERCULES 260	16-56.00N	082-15.00E
	SAGAR BHUSHAN	16-31.45N	082-22.65E
	DISCOVERER 534	11-31.10N	080-09.80E
	DEEP WATER FRONTIER	16-41.87N	082-41.56E
	PERRO NEGRO III	16-40.17N	082-25.70E
	DEEPWATER EXPEDITION	16-10.91N	083-11.42E
	ESSAR WILD CAT	16-43.30N	082-34.30E
	DEEP DRILLER 8	11-30.12N	079-56.07E
2.	Wide berth requested.		
<b>395. 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 15 sep, 0900 UTC to 1130 UTC and 1230 UTC to 1430 UTC on 18 sep 2009 . Danger area bounded by</b>			
	(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 meters.		
3.	Cancel this message on 19 sep 2009.		
<b>396. Cancelled.</b>			
<b>397. India East Coast - Gopalpur. Charts 31 352 353 354 3005 INT 706. Firing exercise will be carried out on following dates</b>			
	<b><u>DATE</u></b>		<b><u>TIME</u></b>
	15 Sep to 18 Sep 2009		2330 UTC to 1800 UTC
2.	Danger area bounded by		
	(A) 19-14.36N	084-53.42E	(B) 19-37.05N 085-27.85E
	(C) 18-46.05N	085-22.86E	
	and arc of 42 NM radius joining point (B) and (C)		
3.	Safe Flying Height 6100 Metres.		
4.	Cancel this message on 19 Sep 2009.		
<b>398. India West Coast – Off New Mangalore Port. Charts 22 217 258 272 293 2002 2052 INT 706. Wreck marking buoy laid for Asian Forest in position 12 - 48.8N 074 - 43.5E.</b>			
(2)	Mariners to exercise caution.		
<b>399. India East Coast - Off Paradip. Charts 31 352 353 3010 INT 706. MV BLACK ROSE call sign JVFM3 flag Mongolia sunk with approximate 1/3 above water in position 20-12.73N 086-38.79E</b>			
2.	All vessels operating in vicinity to exercise caution.		

<p><b>400. INDIAN OCEAN – WESTERN PART.</b> Charts INT 70 INT 71 INT 72 INT 702 INT 703 INT 705 INT 7020. cable laying operation in progress by C/S Chamarel from 12 Sep 2009 to 19 Sep 2009 between following position</p> <table> <tr> <td>(A)</td> <td>20-52.00S</td> <td>055-33.00E</td> <td>(B)</td> <td>20-34.50S</td> <td>055-55.00E</td> </tr> <tr> <td>(C)</td> <td>20-09.50S</td> <td>056-17.00E</td> <td>(D)</td> <td>20-01.00S</td> <td>056-46.00E</td> </tr> <tr> <td>(E)</td> <td>20-01.50S</td> <td>057-12.50E</td> <td>(F)</td> <td>20-05.00S</td> <td>057-20.00E</td> </tr> <tr> <td>(G)</td> <td>20-06.00S</td> <td>057-31.00E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. All vessels operating in vicinity to maintain 01 NM distance from vessel and give wide berth.</p> <p>3 Cancel This Message On 20 Sep 2009.</p>	(A)	20-52.00S	055-33.00E	(B)	20-34.50S	055-55.00E	(C)	20-09.50S	056-17.00E	(D)	20-01.00S	056-46.00E	(E)	20-01.50S	057-12.50E	(F)	20-05.00S	057-20.00E	(G)	20-06.00S	057-31.00E			
(A)	20-52.00S	055-33.00E	(B)	20-34.50S	055-55.00E																			
(C)	20-09.50S	056-17.00E	(D)	20-01.00S	056-46.00E																			
(E)	20-01.50S	057-12.50E	(F)	20-05.00S	057-20.00E																			
(G)	20-06.00S	057-31.00E																						
<p><b>401. India East Coast – Point Calimere.</b> Charts 32 315 316 357 358. Racon at Point Calimere in position 10-17.4N 79-52.3 E unreliable.</p>																								
<p><b>402. India West Coast – Kochi Harbour.</b> Charts 22 220 259 2004 2029 INT 706. Kochi channel buoy 4 in position 09-57.99N 076-11.46E Missing.</p>																								
<p><b>403. India West Coast – Kochi Harbour.</b> Charts 22 220 259 260 2004 2029 2045 INT 706. Kochi Harbour channel Fairway Buoy top shape in position 09-57.80N 076-09.08E missing.</p>																								
<p><b>404. India West Coast – Approaches to Mormugao.</b> Charts 22 214 257 293 2020 2022 2078 INT 706. Buoys 1 1A 2 2A unlit in following positions</p> <table> <thead> <tr> <th><u>BUOYS</u></th> <th><u>LAT</u></th> <th><u>LONG</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15-24.71N</td> <td>073-45.13E</td> </tr> <tr> <td>1A</td> <td>15-24.56N</td> <td>073-44.46E</td> </tr> <tr> <td>2</td> <td>15-24.86N</td> <td>073-45.10E</td> </tr> <tr> <td>2A</td> <td>15-24.45N</td> <td>073-44.43E</td> </tr> </tbody> </table> <p>2. Mariners to Exercise Caution.</p>	<u>BUOYS</u>	<u>LAT</u>	<u>LONG</u>	1	15-24.71N	073-45.13E	1A	15-24.56N	073-44.46E	2	15-24.86N	073-45.10E	2A	15-24.45N	073-44.43E									
<u>BUOYS</u>	<u>LAT</u>	<u>LONG</u>																						
1	15-24.71N	073-45.13E																						
1A	15-24.56N	073-44.46E																						
2	15-24.86N	073-45.10E																						
2A	15-24.45N	073-44.43E																						
<p><b>405. India West Coast – Mormugao.</b> Charts 22 257 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC to 1230 UTC from 14 Sep to 21 Sep 2009. Danger area bounded by</p> <table> <tr> <td>(A) 15-13.00N</td> <td>073-57.00E</td> <td>(B) 15-13.00N</td> <td>073-52.00E</td> </tr> <tr> <td>(C) 15-11.00N</td> <td>073-57.00E</td> <td>(D) 15-11.00N</td> <td>073-52.00E</td> </tr> </table> <p>2. Safe flying height 3500 Metres.</p> <p>3. Cancel this message on 22 Sep 2009.</p>	(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																
(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																					
<p><b>406. Cancelled.</b></p>																								
<p><b>407. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. firing exercise by Naval coast battery from 0900 UTC to 1200 UTC on 22 Sep, 0900 UTC to 1200 UTC and 1230 UTC to 1430 UTC on 25 Sep 2009. Danger area bounded by</p> <table> <tr> <td>(a) 09-57.50N</td> <td>075-59.50E</td> <td>(b) 09-57.70N</td> <td>076-14.20E</td> </tr> <tr> <td>(c) 09-44.00N</td> <td>076-17.50E</td> <td>(d) 09-42.50N</td> <td>076-09.50E</td> </tr> </table> <p>2. Safe flying height 10000 meters</p> <p>3. Cancel this message on 26 Sep 2009.</p>	(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																
(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																					
<p><b>408. India East Coast – Poompuhar.</b> Charts 32 33 357 INT 706. A light at poompuhar lighthouse exhibited on thirty meters height tower in position 11-08.48N 79-51.40E on experimental basis from 14 sep to 30 sep 2009.</p> <p>2. Mariners to exercise extra caution.</p> <p>3. Cancel this message on 01 Oct 2009.</p>																								

<b><u>NAVAREA No.</u></b>	<b><u>LOCATION</u></b>	<b><u>LAST NAVAREA</u></b>	<b><u>NAVAREA IN FORCE</u></b>
IX	Persian Gulf, Red Sea, NW Arabian Sea	174	<b>2007 Series:</b> 062 172 200 212. <b>2008 Series:</b> 022 027 044 046 051 061 069 089 105 107 128 176 179 182 191 202 207 211 216. <b>2009 Series:</b> 002 040 092 136 142 150 151 155 159 163 166 168 170 171 172 174.
X	Australia, New Guinea	017	<b>2009 Series:</b> Nil.
XI	Malacca Strait, China Sea, N. Pacific	0586	<b>2001 Series:</b> 0775. <b>2003 Series:</b> 0106. <b>2004 Series:</b> 0361. <b>2005 Series:</b> 0307. <b>2007 Series:</b> 0002 0093 0133 0309 0344 0366 0513 0519 0523 0557. <b>2008 Series:</b> 0054 0113 0160 0210 0219 0322 0347 0348 0349 0350 0352 0375 0380 0384 0398 0411 0475 0618 0675 0677. <b>2009 Series:</b> 0120 0125 0171 0215 0244 0251 0259 0265 0281 0311 0468 0490 0531 0537 0538 0539 0540 0550 0551 0552 0553 0555 0562 0565 0570 0571 0572 0573 0574 0575 0576 0579 0580 0581 0582 0583 0584 0585 0586.
XII	N.E. Pacific	423	<b>2009 Series:</b> Nil
XIII	N.W. Pacific	036	<b>2009 Series:</b> Nil
XIV	S.W. Pacific	040	<b>2009 Series:</b> Nil.
XV	S.E. Pacific	098	<b>2009 Series:</b> Nil
XVI	E. Pacific	097	<b>2009 Series:</b> Nil
Hydropacs	Pacific, Indian Ocean	1614	<b>2008 Series:</b> 1140 1141 1473. <b>2009 Series:</b> 687
Hydrolants	Atlantic, Mediterranean	1697	<b>2009 Series:</b> Nil

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

**West Coast of India Pilot (INP-1)**

**Chapter 5 (Page-177)**

*Article 5.82, para 1, line 3*

Delete “Pilots board vessels about 9 cables N of the Fairway Light-buoy.” and replace by “Pilots board vessels about 0.5nm West of the Fairway Light-buoy (9° 57'.74N, 76° 08'.37E).

Source: Harbour Master, Cochin Port Trust.

**SECTION – VII: CORRECTIONS TO LIST OF LIGHTS**

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6576	- Ponta Matirre	17 16-60 S 38 11-00 E	Fl(2+1)W 12s	50	14	White metal framework tower, red bands 13	<b>TE 2009</b>
		*					*
D7019-06	Fausse Baie des Galions. Ldg Lts 316-5°. Front	25 02-24 S 46 58-22 E	Iso W 6s	..	5		
*	*	*	*	*	*	*	*
D7019-061	Fausse Baie des Galions. Ldg Lts 316-5°. Rear	25 01-45 S 46 57-40 E	Iso W 6s	..	5		
*	*	*	*	*	*	*	*
D7021-6	Port d'Ehoala. Ldg Lts 226-5°. Front	25 03-93 S 46 57-63 E	Iso W 6s				
*	*	*	*	*	*	*	*
D7021-61	Port d'Ehoala. Ldg Lts 226-5°. Rear	25 04-17 S 46 57-34 E	Iso W 6s				
*	*	*	*	*	*	*	*
D7681	Bandar e Shiu	27 04-85 N 53 08-65 E	Fl(2)W 6s	17	8	Red and white metal tower	
		*	*	*	*	*	
D7742	<b>Ormara</b>	25 11-39 N 64 41-38 E	Fl(2)W 20s	227	19	Grey metal framework tower on white base 8	<b>TE 2009</b>
							*
E6037	<b>Jazirat Shākir.</b> SE Point	27 27-17 N 34 02-25 E	Fl(2)W 20s	37	22	White round stone tower, black stripe, white dwelling, black stripes	Vis 187°-100°(273°). <b>TE 2009</b> ILRS Vol 2 Station 74330
	--	..	Racon	..	..	..	*
		*					*
F0910	<b>Point Calimere</b>	10 17.4N 79 52.3E	Fl(3)W 10s	13	15	White round masonry tower. 16	<i>fl 0.3, ec 1.5, fl 0.3, ec 1.5, fl 0.3, ec 6.1</i>
-		..	Racon	..	..	..	ILRS Vol 2 Station 79110 <b>TR 2009</b>
							*
F0914	<b>Nagappattinam.</b> E end	10 45.87N 79 51.08E	Fl(2)W 20s	48	26	White round masonry tower, black bands 50	<i>fl 0.5, ec 2, fl 0.5, ec 17.</i> RC
--		..	Racon	..	..	..	ILRS Vol 2 Station 79120 <b>TR 2009</b>
*	*	*	*	*	*	*	*
F1212.5	North Brother Island	10 59.20N 92 40.10E	Fl(2)W 20s	11	10	White metal framework tower	*
F1563-5	- Malayan Flour Mill. Jetty. Head	4 15-81 N 100 39-44E	Fl Y 5s	5	3	Yellow post on dolphin	
*	*	*	*	*	*	*	*
F9527-7	- BUDP01	5 08-27 N 114 38-60E	Lit	..	..	Platform	Other installations, some marked by lights and fog signals, exist in this area
*	*	*	*	*	*	*	*
K1044-62	- Titi - A (I)	5 10-22 S 106 24-21E	Fl(2)W 5-5s	16	10	Platform	<i>fl 0-4, ec 1-4, fl 0-4, ec 3-3.</i> Numerous installations, some marked by lights, exist within this field
*	*	*	*	*	*	*	*
K1044-9	- A (I)	4 59-24 S 106 31-96E	Fl W 4s	16	10	Platform	<i>fl 0-5.</i> Numerous installations, some marked by lights, exist within this field
*	*	*	*	*	*	*	*
K1044-911	- Windri - A (I)	4 40-00 S 106 35-53E	Fl W 4s	16	10	Platform	<i>fl 0-5</i>
*	*	*	*	*	*	*	*
K1052-9	Remove from list. Replaced by light buoy						
K1095-5	Remove from list						

**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. 14 dated 16 Jul 2009)*

**NIL**

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

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

**NIL**

**INP 31(5), 1997**

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

**NIL**

**INP 31(6), 2005**

*(Last correction: Edition No. 14 dated 16 Jul 2009)*

**NIL**

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

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

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

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

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

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

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

### **Position Reporting**

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

### **Depth Reporting**

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

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

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

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

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



*To accompany Indian Notice to Mariners 312/09*

*Chart 3025*

**GAS AND OIL FIELD DEVELOPMENT AREA**

Numerous production platforms, underwater construction work on well heads and pipelines, single buoy moorings and oil derricks, only some of which carry lights and fog signals, other unlit objects and submerged obstructions, oil barges, drilling rigs, diving tenders and support vessels exists within the Oilfield Development Area enclosed by pecked line. As all these features cannot be charted, special caution should be exercised by vessels navigating in the vicinity. Vessels are advised not to enter these areas and those entering will do so at their own risk for which Government of India will not be liable in any way.

The Government of India has established 500 meter Safety Zone around each installation in these Oilfield Development Areas. Mariners should not enter these Safety Zones. For details see Notices to Mariners Special Edition Notice No 20.