



*INDIAN  
NOTICES TO MARINERS FOR 2008*

(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)  
EDITION No. 01 DATED 01 JAN 2008  
(CONTAIN NOTICES 032 TO 059)

*National Hydrographic Office wishes all Mariners a Happy New Year 2008*

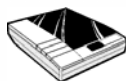
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**Mariner's Obligation and A Chart Maker's Plea.** Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the following address/ fax No, immediately on discovering new or suspected dangers to navigation, on observing changes/defects to navigational aids, and of short comings in Indian charts or publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section X with this notice.

**Chief Hydrographer  
to the Government of India**

**National Hydrographic Office  
Post Box No. 75  
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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 (both Indian and BA) 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 X.

**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 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 values 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.

**FORTHCOMING CHARTS AND PUBLICATIONS**

<b>Chart No</b>	<b>Title</b>	<b>Scale</b>	<b>Remarks</b>
<b>2042</b>	Approaches to Malvan	50 000	New Edition
<b>4005</b>	Nancowry Harbour and Approaches	12 500	New Chart
<b>2043</b>	Approaches to Vengurla and Redi	60 000	New Edition

**SECTION – I**  
**List of charts affected by**  
**The Notices 032 to 059 contained in this Edition**

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
32 (INT 754)	5	035	563	36	055(T)
41	6	037	941A	46	051
224	4	035	1140	45	042
225	4	056(P)	1358	45	042
262	4	035	1495(INT 7736)	38	054(T)
268 (INT 7353)	4	033,034	1497(INT 7735)	38	054(T)
354 (INT 7408)	5	036	2056	46	051,052,058(P)
405	6	038	2149	46	051,052,058(P)
409	6	039	2403	45	043,050
410	7	037	2741	36	055(T)
411	7	037	2756	36	055(T)
451	7	037	2757	36	055(T)
452	7	037	2785	46	051
472 (INT 7032)	6	039	2851	40	040
473 (INT 7031)	6	038	2965	46	053
2035	4	034	3410 (INT 7214)	40	041
2041	3	032	3518	40	040
2063	4	056(P)	3831	45	043,049
2064	4	056(P)	3833	45	047,048,049,050,057(P)
2075 (INT 7366)	4	035	3937	45	049
3009	5	036	3946	45	042
4030	6	038	4030	45	046
4035	6	039	4032	45	057(P)
4039	6	039	4034	45	057(P)
			4035	45	057(P)
			4036	45	057(P)
			4037	45	057(P)
			4038	45	046
			4039	45	047,050
			4040	45	046,047,057(P)
			4041	45	045,049,057(P)
			4043	45	044
			4044	45	044
			5502	45	057(P)

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

**\* 032/(01/08) INDIA - West Coast – Malvan Anchorage – Depth.**

Source: NHO Dehradun

(HJ/1030/66)

**Chart 2041** [previous update 479/06]

Insert	depth 1 <sub>5</sub> enclosed by 2m contour	16° 04'·87N., 73° 26'·84E.
	depth 5 <sub>2</sub> enclosed by 10m contour	16° 04'·87N., 73° 26'·75E.

**\* 033/(01/08) INDIA – Lakshadweep - Androth Island – Break Water Light .**

Source: NHO Dehradun

(HJ/1030/06)

**Chart 268(INT 7353)** [previous update 529/07]

Insert	 Fl.4s3m7M	10° 49'·31N., 73° 40'·70E.
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**Cancel former INM 413(P)/03.**

**\* 034/(01/08) INDIA – Lakshadweep Sea – Lakshadweep - Kalpeni and Cheriyam Island – Wreck.**

Source: INS Sutlej ROS D(N)- 186


(HJ/1030/06)

*This is Wreck of Fishing Boat.*

**Chart 268 (INT 7353)** [ previous update 033/08]

Insert		10° 05'·11N., 73° 38'·65E.
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**Chart 2035** [ previous update NE 30 Apr 97]

Insert		10° 05'·11N., 73° 38'·65E.
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**\* 035/(01/08) INDIA – South East Coast – Tuticorin Harbour – Wreck.**

Source: Tuticorin Port Trust

(HJ/930/81)

*This is Wreck of Barge Shiva 2.*

**Chart 32 (INT 754)** [ previous update 556/07]

Insert		08° 45'·70N., 78° 12'·80E.
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**Chart 262** [ previous update 553/07]

Insert		08° 45'·70N., 78° 12'·80E.
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**Chart 224** [ previous update 553/07]

Insert		08° 45'·70N., 78° 12'·80E.
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**Chart 2075 (INT 7366)** [ previous update 553/07]

Insert		08° 45'·70N., 78° 12'·80E.
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**Chart 2075 (INT 7366) (Plan Tuticorin Harbour)** [ previous update 553/07]

Insert		08° 45'·70N., 78° 12'·80E.
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**Cancel former INM 162(T)/03.**

\* **036/(01/08) INDIA - East Coast – Kakinada Port - Light.**

Indian List of Light Vol F & K 2003; F 0964

Source: DLL Visakhapatnam

(HJ/1029/77)

**Chart 354 (INT 7408)** [previous update 655/07]

Amend Elevation of light to, 54m 17° 01′.0N., 82° 16′.9E.

**Chart 3009** [previous update 655/07]

Amend Elevation of light to, 54m 17° 00′.82N., 82° 17′.06E.

**Chart 3009 (Plan Kakinada Anchorage)** [previous update 655/07]

Amend Elevation of light to, 54m 17° 00′.82N., 82° 17′.06E.

\* **037/(01/08) INDIA – ANDAMAN SEA – Coast of Burma – Western Approaches to Rangoon River – Gulf of Martaban – Wreck.**

Source: NHO Dehradun

(HJ/1028/63)

*This is Wreck of MV Martaba Bkul.*

**Chart 41** [ previous update 657/07]

Insert  (a) 16° 09′.4N., 96° 24′.0E.



Close W of:

(a) above

**Chart 451** [ previous update 458/07]

Insert  (a) 16° 09′.4N., 96° 24′.0E.



Close W of:

(a) above

**Chart 452** [ previous update 458/07]

Insert  (a) 16° 09′.4N., 96° 24′.0E.



Close W of:

(a) above

**Chart 410** [ previous update 045/05]

Insert  (a) 16° 09′.4N., 96° 24′.0E.



Close W of:

(a) above

**Chart 411** [ previous update 045/05]

Insert  (a) 16° 09′.4N., 96° 24′.0E.



Close W of:

(a) above

**Cancel former INM 081(T)/00.**

\* **038/(01/08) INDIA – ANDAMAN SEA – Manners Straight and Duncan Passage – Depth, Rocks.**

Source: NHO Dehradun

(HJ/1028/17)

**Chart 473(INT 7031)** [previous update 407/07]

Substitute depth 3 for 11<sub>9</sub>, enclosed by 5m contour 11° 14′.18N., 92° 40′.89E.

**Chart 405** [previous update 385/07]

Substitute depth 3 for 11<sub>9</sub>, enclosed by 5m contour 11° 14′.18N., 92° 40′.89E.

Insert  PA 11° 07′.25N., 93° 30′.20E.

**Chart 4030** [previous update 385/07]

Substitute depth 3 for 11<sub>9</sub>, enclosed by 5m contour 11° 14′.18N., 92° 40′.89E.

**Cancel former INM 247(P)/95.**

**\* 039/(01/08) INDIA – ANDAMAN SEA – Nicobar Island – Campbell Bay – Tower.**


Source: INS Sandhayak ROS(N)-81

(HJ/928/66)

**Chart 472(INT 7032)** [previous update 657/07]

Insert  06° 59'·09N., 93° 56'·53E.

**Chart 409** [previous update 657/07]

Insert  06° 59'·09N., 93° 56'·53E.

**Chart 4035** [previous update 327/07]

Insert  06° 59'·09N., 93° 56'·53E.

**Chart 4039** [previous update 658/07](WGS 84Datum)

Insert  06° 59'·22N., 93° 56'·65E.

**Cancel former INM 064(T)/03.**

**040/(01/08) OMAN - North East Coast - Qalhat LNG Terminal - Light.**

Indian list of light Vol D & E 2003; D 7318.171

Source: BA Notice 5564/07

(HJ/1132/20)

**BA Chart 2851** [ previous update 495/07]

Insert  Fl.WG.25/10M (occas) 22° 39'·9N., 59° 24'·1E.

**BA Chart 3518 (plan E, Qalhat LNG Terminal)** [ previous update 452/06]

 Fl.WG.8s22m25/10M (occas) (a) 22° 39'·89N., 59° 24'·13E  
sector at light as follows: (a) above  
WG 153°- 291°(138°)

**041/(01/08) UNITED ARAB EMIRATES - Ajman - Wreck.**

Source: BA Notice 5757/07

(HJ/1132/54)

**BA Chart 3410 (INT 7214) (plan B, .Ajman)** [ previous update 606/07]

Delete  25° 25'·80N., 55° 26'·63E.

**042/(01/08) MALAYSIA - Peninsular Malaysia, West Coast - Port Dickson North-westwards - Coastline. Jetty. Depth**

Source: BA Notice 5616/07

(HJ/927/29)

**BA Chart 1140** [ previous update NE 30 Dec 99]

Insert coastline, pecked line, joining: (a) 2° 35'·72N., 101° 43'·23E.(shore)  
(b) 2° 35'·39N., 101° 43'·23E.  
(c) 2° 35'·39N., 101° 43'·86E.  
(d) 2° 35'·79N., 101° 43'·86E.(shore)

jetty, single firm line, joining: 2° 34'·75N., 101° 42'·95E.  
(e) 2° 34'·72N., 101° 43'·12E.  
2° 35'·39N., 101° 43'·38E.

Delete depth 9<sub>3</sub> , close W of: (e) above  
charted detail, within: (a)-(d) above



**042/(01/08) MALAYSIA - Peninsular Malaysia, West Coast - Port Dickson North-westwards - Coastline. Jetty. Depth.(Continued)**

**BA Chart 1358** [ *previous update 568/07* ]

Insert	coastline, pecked line, joining:	2° 35′·7N., 101° 43′·2E.(shore) 2° 35′·4N., 101° 43′·2E. 2° 35′·4N., 101° 43′·9E. 2° 35′·8N., 101° 43′·9E.(shore)
	jetty, single firm line, joining:	2° 34′·8N., 101° 42′·9E. 2° 34′·7N., 101° 43′·1E. 2° 35′·4N., 101° 43′·4E.

**BA Chart 3946** [ *previous update 607/07* ]

Insert	coastline, pecked line, joining:	2° 35′·72N., 101° 43′·23E.(shore) 2° 35′·39N., 101° 43′·23E. 2° 35′·39N., 101° 43′·86E. 2° 35′·79N., 101° 43′·86E.(shore)
	jetty, single firm line, joining:	2° 34′·75N., 101° 42′·95E. 2° 34′·72N., 101° 43′·12E. 2° 35′·39N., 101° 43′·38E.

**043/(01/08) MALAYSIA - Peninsular Malaysia, East Coast - Ramunia Shoals - Tompok Utara - Automatic Identification System.**

Indian list of light Vol F & K 2003; F 1821

Source: BA Notice 5528/07

(HJ/927/15)

**BA Chart 2403** [ *previous update 666/07* ]

Insert	Automatic Identification System, AIS, at Tompok Utara light	1° 27′·76N., 104° 27′·02E.
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**BA Chart 3831** [ *previous update 666/07* ]



Insert	Automatic Identification System, AIS, at Tompok Utara light	1° 27′·76N., 104° 27′·02E.
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**044/(01/08) SINGAPORE - Serangoon Harbour - Obstruction.**



Source: BA Notice 5743/07

(HJ/927/16)



**BA Chart 4043** [ *previous update 666/07* ]

Substitute	 <i>Obstn</i> for  <i>Obstn</i>	1° 23′·59N., 103° 58′·45E.
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**BA Chart 4044** [ *previous update 570/07* ]

Substitute	 <i>Obstn</i> for  <i>Obstn</i>	1° 23′·59N., 103° 58′·45E.
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**BA Chart 4044 (plan A, Serangoon Harbour)** [ *previous update 570/07* ]

Substitute	 <i>Obstn</i> for  <i>Obstn</i>	1° 23′·590N., 103° 58′·452E.
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**045/(01/08) SINGAPORE - Marina Centre South-eastwards -Light-beacons.**

Indian list of light Vol F &amp; K 2003; F 1726.4, 1726.2

Source: BA Notice 5744/07

(HJ/927/16)

**BA Chart 4041** [ *previous update 639/07* ]

Substitute		Fl.Y.6s5m4M S Marina	for		Fl.R.5s5m3M S Marina	1° 16'·72N., 103° 52'·36E.
		Fl.Y.6s5m4M South Kallang	for		Fl.G.5s5m3M South Kallang	1° 16'·81N., 103° 52'·58E.

**046/(01/08) SINGAPORE -Jurong Island South-westwards - Wreck.**

Source: BA Notice 5747/07

(HJ/927/16)

**BA Chart 4030** [ *previous update 577/07* ]Insert  Wk 1° 13'·709N., 103° 37'·672E.**BA Chart 4038** [ *previous update 610/07* ]Insert  Wk 1° 13'·71N., 103° 37'·67E.**BA Chart 4040** [ *previous update 639/07* ]Insert  Wk 1° 13'·71N., 103° 37'·67E.**047/(01/08) SINGAPORE STRAIT - P. Takong Besar Westwards and North-westwards - Depths.**

Source: BA Notice 5746/07

(HJ/927/16)


**BA Chart 3833** [ *previous update 610/07* ]Insert depth 19<sub>1</sub> enclosed by 20m contour 1° 08'·36N., 103° 38'·73E.**BA Chart 4039** [ *previous update 639/07* ]Insert depth 19<sub>1</sub> enclosed by 20m contour 1° 08'·36N., 103° 38'·73E.depth 9<sub>5</sub> enclosed by 10m contour (a) 1° 08'·07N., 103° 41'·07E.

depth 8 enclosed by 10m contour 1° 07'·09N., 103° 41'·13E.

depth 5<sub>7</sub> enclosed by 10m contour (b) 1° 06'·78N., 103° 40'·93E.depth 9<sub>5</sub> enclosed by 10m contour 1° 06'·75N., 103° 42'·05E.Delete depth 17<sub>8</sub> , close NW of: (a) abovedepth 11<sub>4</sub> , close NE of: (b) above**BA Chart 4040** [ *previous update 046/08* ]Insert depth 19<sub>1</sub> enclosed by 20m contour 1° 08'·36N., 103° 38'·73E.depth 9<sub>5</sub> enclosed by 10m contour (a) 1° 08'·07N., 103° 41'·07E.Delete depth 17<sub>8</sub> , close NW of: (a) above**048/(01/08) SINGAPORE STRAIT - Pulau Karimun Besar Northwards - Buoy. Light-beacon.**

Source: BA Notice 5745/07

(HJ/927/16)

**BA Chart 3833** [ *previous update 047/08* ]Substitute  Fl.Y for  1° 08'·92N., 103° 20'·10E.

Delete legend, (exting), at light-beacon 1° 08'·74N., 103° 19'·11E.

**049/(01/08) SINGAPORE STRAIT - Pulau Batam - Approaches to Batuampar - Light-beacon.**

Indian list of light Vol F &amp; K 2003; F 1697.965

Source: BA Notice 5742/07

(HJ/927/16)

**BA Chart 3831** [ *previous update 043/08* ]

Amend range of light-beacon to, 8M 1° 09'·65N., 103° 59'·22E.

**BA Chart 3833** [ *previous update 048/08* ]

Amend range of light-beacon to, 8M 1° 09'·65N., 103° 59'·22E.

**BA Chart 3937 (plan B, Batuampar)** [ *previous update 339/07* ]

Amend range of light-beacon to, 8M 1° 09'·69N., 103° 59'·11E.

**BA Chart 4041** [ *previous update 045/08* ]

Amend range of light-beacon to, 8M 1° 09'·65N., 103° 59'·22E.

**050/(01/08) SINGAPORE STRAIT - Selat Phillip - P. Takong Kecil Southwards - Light-beacon.**

Indian list of light Vol F &amp; K 2003; F 1694.2

Source: BA Notice 5529/07

(HJ/927/16)

**Former INM 587(T)/07 is cancelled.****BA Chart 2403** [ *previous update 043/08* ]

Amend light to, Q(6)+LFl.15s9M 1° 05'·90N., 103° 43'·24E.

**BA Chart 3833** [ *previous update 049/08* ]

Amend light-beacon to, Q(6)+LFl.15s8m9M 1° 05'·90N., 103° 43'·24E.

**BA Chart 4039** [ *previous update 047/08* ]

Amend light-beacon to, Q(6)+LFl.15s8m9M 1° 05'·90N., 103° 43'·24E.

**051/(01/08) INDONESIA - Sumatera - East Coast - T. Penet Eastwards - Obstruction. Depths.**

Source: BA Notice 5535/07

(HJ/827/43)

**BA Chart 941A** [ *previous update 664/07* ]Insert  *Obstn* (a) 5° 02'·0S., 106° 09'·2E.depth  $1\frac{3}{4}$  enclosed by 3fm contour 5° 16'·6S., 105° 54'·4E.

Delete depth 6 enclosed by 6fm contour, adjacent to: (a) above

**BA Chart 2056** [ *previous update 440/07* ]Insert depth  $3_5$  enclosed by 5m contour 5° 16'·60S., 105° 54'·35E.**BA Chart 2149** [ *previous update 370/07* ]Insert  *Obstn Rep(2000)* 5° 02'·0S., 106° 09'·2E.depth  $3_5$  enclosed by 5m contour 5° 16'·6S., 105° 54'·4E.**BA Chart 2785** [ *previous update 508/07* ]Insert depth  $3_5$  enclosed by 5m contour 5° 16'·6S., 105° 54'·4E.

**052/(01/08) INDONESIA - Jawa - North Coast - Jakarta North-westward - Submarine pipeline. Buoyage**



Source: BA Notice 5536/07

(HJ/827/43)

**BA Chart 2056** [ *previous update 051/08* ]

Insert	submarine pipeline, 	joining:	5° 28'·75S., 106° 23'·65E. 5° 33'·80S., 106° 14'·75E. 5° 51'·75S., 106° 09'·40E. 5° 54'·15S., 106° 08'·00E. 5° 56'·00S., 106° 07'·70E. 5° 56'·14S., 106° 06'·83E. (shore)
		FLY.3s	5° 51'·75S., 106° 08'·40E.
		FLY.4s	5° 54'·10S., 106° 07'·20E.
		FLY.5s	5° 55'·25S., 106° 07'·00E.

**BA Chart 2149** [ *previous update 051/08* ]

Insert	submarine pipeline, 	joining:	5° 28'·7S., 106° 23'·7E. 5° 33'·8S., 106° 14'·8E. 5° 51'·8S., 106° 09'·4E. 5° 56'·0S., 106° 07'·7E. 5° 56'·1S., 106° 06'·8E. (shore)
		FLY.3s	5° 51'·8S., 106° 08'·4E.


**053/(01/08) INDONESIA - Sumatera - South Coast - Jetties. Coastline. Lights. Notes. Depths. Obstruction. Buoyage. Works.**

Indian list of light Vol F &amp; K 2003; K 0922, 0922.2, 0922.6

Source: BA Notice 5636/07

(HJ/827/44)

**BA Chart 2965 (plan, Approaches to Panjang and Tarahan)** [ *previous update 302/07* ]

Insert	coastline, single firm line, joining:	(a)	5° 28'·02S., 105° 18'·91E. (shore) 5° 27'·68S., 105° 18'·68E.
		(b)	5° 27'·40S., 105° 18'·58E. (shore)
	pier, single firm line, joining:	(c)	5° 28'·65S., 105° 18'·98E. (shore)
		(c)	5° 28'·95S., 105° 18'·81E. and 5° 28'·90S., 105° 18'·75E. 5° 29'·03S., 105° 18'·90E.
Delete	former coastline, joining:	(a)	above
		(b)	above
	charted detail, within:	(a)-(b)	above
	depth 18 <sub>6</sub> , adjacent to:	(c)	above
	 Fl.R.2s10M, close NW of:	(a)	above

**BA Chart 2965** [ *previous update 302/07* ]

Insert	the accompanying note, PIRACY WARNINGS	within the notes panel, below note AIDS TO NAVIGATION
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**SECTION – III: TEMPORARY AND PRELIMINARY NOTICES****054(T)/(01/08) INDIAN OCEAN - La Réunion - Approaches to La Réunion - Fish havens.**

Source: BA Notice 5627(T)/07

(HJ/632/94)

1. Fish aggregating devices have been established in the following positions:

20° 45'·5S., 55° 30'·0E.	20° 50'·4S., 55° 05'·4E.
21° 02'·8S., 55° 02'·9E.	21° 25'·8S., 55° 33'·2E.
21° 00'·5S., 55° 07'·5E.	20° 53'·6S., 55° 43'·8E.
21° 09'·0S., 55° 10'·5E.	21° 07'·2S., 55° 54'·0E.
21° 12'·0S., 55° 13'·0E.	21° 16'·1S., 55° 14'·1E.
21° 20'·6S., 55° 22'·5E.	21° 02'·0S., 55° 46'·0E.
21° 22'·6S., 55° 26'·3E.	20° 47'·0S., 55° 25'·3E.
21° 26'·9S., 55° 39'·8E.	20° 49'·5S., 55° 33'·0E.
20° 49'·6S., 55° 38'·6E.	21° 28'·0S., 55° 36'·0E.
21° 26'·3S., 55° 26'·0E.	21° 21'·2S., 55° 08'·5E.
20° 56'·0S., 55° 05'·0E.	21° 10'·9S., 55° 08'·0E.
20° 54'·4S., 55° 09'·8E.	21° 10'·3S., 55° 14'·2E.
20° 50'·8S., 55° 20'·0E.	21° 24'·0S., 55° 21'·0E.
20° 56'·8S., 55° 12'·5E.	20° 45'·0S., 55° 17'·0E.
21° 07'·0S., 55° 06'·0E.	21° 28'·5S., 55° 30'·0E.

**2. Former INM 449(T)/04 is cancelled.****BA Charts affected - 1495 (INT 7736) - 1497 (INT 7735)****055(T)/(01/08) INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.**

Source: BA Notice 5683(T)/07

(HJ/733/74)

1. Fish aggregating devices have been established in the following positions:

12° 48'·45S., 45° 19'·45E.
12° 45'·12S., 45° 20'·33E.
12° 48'·65S., 45° 23'·52E.
12° 43'·65S., 44° 55'·18E.
12° 42'·57S., 44° 55'·28E.
13° 03'·50S., 44° 57'·02E.
13° 05'·97S., 44° 59'·91E.
13° 01'·96S., 44° 55'·50E.
13° 00'·40S., 44° 52'·18E.
12° 49'·27S., 45° 36'·03E.
12° 54'·46S., 44° 52'·89E.
12° 54'·00S., 45° 01'·50E.
12° 29'·29S., 44° 59'·20E.
12° 34'·37S., 44° 54'·01E.
12° 49'·56S., 44° 55'·90E.
12° 42'·51S., 45° 20'·73E.
12° 46'·20S., 45° 18'·12E.
12° 39'·15S., 45° 20'·15E.
12° 49'·51S., 45° 27'·06E.
12° 48'·43S., 45° 37'·77E.
12° 59'·52S., 45° 17'·10E.

**2. Former INM 444(T)/06 is cancelled.****BA Charts affected - 563 - 2741 - 2756 - 2757**

**056(P)/(01/08) SRI LANKA - West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.**

Source: BA Notice 5682(P)/07

(HJ/930/70)

1. Numerous depths less than charted exist in Colombo Harbour and its approaches. The most significant are as follows (positions are referred to WGS84 Datum):

19 <sub>4</sub> m	7° 02'·27N., 79° 46'·02E.
12 <sub>2</sub> m	7° 02'·21N., 79° 49'·25E.
13 <sub>1</sub> m	7° 01'·38N., 79° 48'·44E.
12 <sub>3</sub> m	7° 01'·05N., 79° 49'·31E.
28 <sub>8</sub> m	7° 00'·89N., 79° 42'·17E.
13 <sub>8</sub> m	7° 00'·84N., 79° 48'·23E.
24 <sub>6</sub> m	7° 00'·17N., 79° 45'·17E.
6 <sub>3</sub> m	6° 59'·91N., 79° 50'·20E.
27 <sub>4</sub> m	6° 59'·42N., 79° 43'·09E.
25 <sub>8</sub> m	6° 59'·29N., 79° 45'·54E.
12 <sub>8</sub> m	6° 59'·23N., 79° 49'·67E.
28 <sub>7</sub> m	6° 58'·98N., 79° 43'·13E.
28 <sub>8</sub> m	6° 58'·44N., 79° 43'·30E.
15 <sub>8</sub> m	6° 57'·82N., 79° 48'·79E.
27 <sub>6</sub> m	6° 57'·80N., 79° 43'·74E.
25 <sub>7</sub> m	6° 57'·51N., 79° 45'·68E.
15 <sub>7</sub> m	6° 57'·27N., 79° 48'·72E.
12 m	6° 56'·74N., 79° 49'·94E.
26 <sub>3</sub> m	6° 56'·55N., 79° 44'·81E.
24 <sub>2</sub> m	6° 56'·05N., 79° 45'·31E.
9 <sub>1</sub> m	6° 55'·66N., 79° 50'·12E.
13 <sub>5</sub> m	6° 55'·65N., 79° 49'·94E.
21 <sub>9</sub> m	6° 55'·51N., 79° 45'·66E.
7 <sub>9</sub> m	6° 55'·50N., 79° 50'·33E.
9 <sub>7</sub> m	6° 54'·96N., 79° 50'·23E.
22 <sub>6</sub> m	6° 54'·64N., 79° 46'·13E.
23 <sub>7</sub> m	6° 54'·01N., 79° 46'·60E.
7 <sub>4</sub> m	6° 53'·23N., 79° 50'·79E.
21 <sub>1</sub> m	6° 52'·78N., 79° 47'·35E.
26 <sub>4</sub> m	6° 52'·49N., 79° 42'·70E.

2. The sewer pipeline is now located as follows:

6° 57'·82N., 79° 51'·72E. (shore)

6° 58'·59N., 79° 51'·12E.

6° 58'·51N., 79° 51'·02E.

3. The pipeline is marked at its seaward end by a lit buoy, *Fl.3s*.

**4. Former INM 514(P)/07 is cancelled.**

**Charts affected - 225 – 2063 - 2064**

**057(P)/(01/08) SINGAPORE - West Keppel Fairway - Jong Fairway - Western Anchorage -Fairways. Anchorage areas.**

Source: BA Notice 5559(P)/07

(HJ/927/16)

1. The limits of Fairways and Anchorages are revised as follows: (Positions quoted are referred to WGS84 Datum):

2. West Keppel Fairway bounded by the following positions:

1° 15'·391N., 103° 45'·677E.

1° 15'·938N., 103° 46'·501E.

1° 16'·449N., 103° 46'·803E.

1° 16'·230N., 103° 47'·113E.

1° 16'·169N., 103° 47'·071E.

**057(P)/(01/08) SINGAPORE - West Keppel Fairway - Jong Fairway - Western Anchorage -Fairways.  
Anchorage areas.(Continued)**

- 1° 15'·977N., 103° 47'·446E.  
 1° 16'·147N., 103° 47'·656E.  
 1° 15'·740N., 103° 48'·310E.  
 1° 15'·594N., 103° 48'·394E.  
 1° 14'·345N., 103° 47'·118E.  
 1° 14'·521N., 103° 45'·809E.
3. Jong Fairway bounded by the following positions:  
 1° 14'·521N., 103° 45'·809E.  
 1° 14'·345N., 103° 47'·118E.  
 1° 14'·016N., 103° 47'·275E.  
 1° 12'·419N., 103° 48'·773E.  
 1° 12'·093N., 103° 49'·179E.  
 1° 11'·839N., 103° 48'·358E.  
 1° 12'·152N., 103° 48'·200E.  
 1° 14'·183N., 103° 46'·222E.
4. Western Petroleum 'A' Anchorage (AWPA) bounded by the following positions:  
 1° 14'·545N., 103° 47'·323E.  
 1° 15'·020N., 103° 47'·806E.  
 1° 14'·223N., 103° 48'·383E.  
 1° 13'·951N., 103° 47'·752E.
5. Western Petroleum 'B' Anchorage (AWPB) bounded by the following positions:  
 1° 13'·823N., 103° 47'·456E.  
 1° 14'·223N., 103° 48'·383E.  
 1° 13'·329N., 103° 49'·028E.  
 1° 12'·979N., 103° 48'·248E.
6. Western Anchorage (AWW) bounded by the following positions:  
 1° 15'·020N., 103° 47'·806E.  
 1° 15'·379N., 103° 48'·172E.  
 1° 14'·564N., 103° 49'·098E.  
 1° 13'·579N., 103° 49'·594E.  
 1° 13'·329N., 103° 49'·028E.
7. Holding Area (Regional Ferries) bounded by the following positions:  
 1° 15'·443N., 103° 48'·267E.  
 1° 15'·443N., 103° 48'·434E.  
 1° 15'·325N., 103° 48'·382E.
8. Western Holding Anchorage (AWH)  
 This new anchorage is established bounded by the following positions:  
 1° 14'·345N., 103° 47'·118E.  
 1° 14'·545N., 103° 47'·323E.  
 1° 13'·951N., 103° 47'·752E.  
 1° 13'·823N., 103° 47'·456E.  
 1° 14'·016N., 103° 47'·275E.
9. Pasir Panjang Holding Anchorage (APPH) is discontinued.

**BA Charts affected - 3833 - 4032 - 4034 - 4035 - 4036 - 4037 - 4040 - 4041 - 5502**

**058(P)/(01/08) INDONESIA - Sumatera - East Coast - T.Penet Eastwards - Platforms. Submarine cables.  
Submarine pipelines. Restricted area.**

Source: BA Notice 5537(P)/07

(HJ/827/43)

1. There are numerous additional platforms, submarine cables and pipelines in the oil field area to the north-east of Selat Sunda. The restricted area (Anchoring prohibited), centred on 5° 10'·00S., 106° 24'·00E. has been extended.
2. Mariners are advised to consult the local authorities for the latest information and navigate with caution in this area.

**BA Charts affected - 2056 - 2149**

**\*059(T)/(01/08) Temporary and Preliminary Notices (in force as on 01 Jan 2008)**  
**INM \*515(T) (19/07) is cancelled.**

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

<b>Notice No.</b>	<b>Charts Affected</b>	<b>Description</b>
207 (T)/03	B.A. 671-2968 (INT7000)	SOMALIA – Muqdisho (Moghadishu) – Port development. Pilot boarding place.
172 (P)/04	B.A. 1358 -3933 - 3947-4041	SINGAPORE STRAIT – Malacca Strait – Indonesia – Pulau Batam. North Coast to Sumatra, East Coast, Dumai – Submarine Cable.
271 (P)/04	B.A. 724	INDIAN OCEAN – Seychelles – La Digue – La Passe – Breakwater.
481(P)/04	B.A. 3043	EGYPT – Red Sea Coast – Hurghada North-north-eastwards – Depths.
505(P)/04	B.A. 2886 3790	ARABIA – Bahrain Southwards – Dawhat Salwa – Beacons. Buoyage. Depths. Lights.
506(P)/04	20 8004 B.A. 3599	IRAN – Khuran (Clarence Strait) – Jetty. Buoyage. Depths. Drying height. Pilot boarding place. Lights. Moorings buoys.
398(P)/05	B.A. 11 2882 (INT 7264) 2884 (INT 7278)	IRAN–Jazireh–ye-Kharak Anchorage areas.
466(P)/05	B.A. 3735 (INT 7259) 3736 (INT 7258) 3737 (INT 7255) 3738 (INT 7254) 3790 (INT 7252)	BAHRAIN – Mina’ Salman and Approaches - Al Muharraaq Westwards - Depths. Anchorage area. Breakwater. Obstruction. Wreck. Reclamation areas. Light.
592 (P)/05	BA 262 (INT 7115)	DJIBOUTI-Approaches to the Port of Djibouti –Buoyage .Jetty. Pilot boarding place.
55 (P)/06	BA 15 16	SAUDI ARABIA - Red Sea Coast - Jizan - Dredged areas. Channel. Reclamation areas. Harbour development.
56 (P)/06	BA 3782 3787 (INT 7245) 3950	QATAR - Approaches to Doha (Ad Dawhah) - Approaches to Mesaieed (Musay‘id or Umm Said) - Dredging areas. Buoyage.
135 (P)/06	B.A. 2882(INT 7264)-2883 - 2886 -3719 -3776 -3777 - 3788 -3790 (INT 7252)-3812	SAUDI ARABIA - East Coast - - Buoyage
227 (P)/06	BA. 12	SAUDI ARABIA -Red Sea Coast -Port of Duba - Dredging area.Works.
292 (P)/06	BA. 3782 3787 (INT 7245)	QATAR - Approaches to Doha (Ad Dawhah) - Depths.
293 (P)/06	2444 3179 3413	UNITED ARAB EMIRATES - Jazirat Das South and Eastwards - Tanker mooring buoy. Restricted area. Submarine pipeline. Submarine cables. Reef. Pilot boarding place. Buoy. Fouls.
409 (P)/06	B.A. 81 82	SUDAN - Sawakin - Light-beacons. Berths.
445 (P)/06	20 21 286 291 2088 2094 2095 2096 7703 (INT703) 7705 (INT 705) 8009 8010 B.A.12 15 81 82 143 (INT 7005) 157 (INT 7006) 158 (INT 7008) 159(INT 7010) 164 (INT 7124) 333 452 (INT 7117) 453 (INT 7116) 542 1925 1926 2133 (INT 7139) 2373 2374 2375 2599 2658 2659 2851 3661 (INT 7162) 3785.	ARABIAN SEA - RED SEA - Submarine cables.
446 (P)/06	20 21 22(INT 752) 255(INT 7334) 291 292 (INT 7021) 2016 (INT 7336) 2088 2094 2095 2096 7705 (INT 705) 7706 (INT 706) B.A. 2851	ARABIAN SEA - Seeb to Mumbai (Bombay) - Submarine cable.
513 (P) /06	B.A. 3520 (INT 7200) – 3526	GULF OF OMAN - United Arab Emirates - Khawr Fakkan - Works. Breakwater. Buoyage. Anchorage areas
550 (T) /06	B.A. 1214 -1223 -1235 (INT 7289) -2882 (INT 7264) - 2884 (INT 7278) -3773	KUWAIT - - Measuring instruments. Buoyage
576 (T) /06	B.A. 3171 -3174 -3411 (INT 7218) -3713-3715-3951	UNITED ARAB EMIRATES - North and East Coasts - Data buoys



577 (P) /06	20 B.A.1224 -2858 -2882 (INT 7264) -2883 -2886 -3718 -3719 -3773 -3774 -3775 -3776 -3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - - Buoyage. Restricted areas
597 (P) /06	20 B.A. 2523 (INT 7250) - 2886 - 3735 (INT 7259) - 3737 (INT 7255) - 3738 (INT 7254) -3788 - 3790 (INT 7252) -3791 -3950	QATAR - Az Za'ayin to BAHRAIN, Al Manama - Submarine cable
598 (P) /06	20 B.A.2882(INT 7264) - 2883 -2886 -3773 -3777 -3788 -3790(INT 7252) -3812	SAUDI ARABIA - East Coast - Al Khubar to Al Kuwayt, KUWAIT - Submarine cable
599 (P) /06	20 B.A. 2882 (INT 7264) - 2883 - 2886 - 3735 (INT 7259) - 3737 (INT 7255) - 3738 (INT 7254) -3777 - 3788-3790 (INT 7252) -3812	BAHRAIN - Al Manama to SAUDI ARABIA, Al Khubar - Submarine cable
600 (P) /06	20 - 8004 B.A. 1214 -2441 - 2442-2443 -2523 (INT 7250)-2882 (INT 7264) - 2883-2886 -2889 (INT 7211) -3172 -3173 -3599 -3773	KUWAIT -Al Kuwayt to Bandar 'Abbas, IRAN - Submarine cable
601 (P) /06	20 - 8004 B.A. 2442 -2443 -2886 -2889 (INT 7211) -3174 -3950	UNITED ARAB EMIRATES - QATAR - Submarine cables
108(P) /07	B.A. 2887 (INT 7232) - 2889 (INT 7211) -3175 (INT 7212) -3176 (INT 7216) - 3411(INT 7218)- 3412 (INT 7219) -3739 (INT 7220)	UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Approaches to Jebel Ali (Mina Jabal Ali) - Reclamation areas. Buoyage. Works. Restricted areas. Anchorage areas. Breakwaters.
221(T)/07	B.A. 2523 (INT 7250) - 3791 - 3950	QATAR - Ras Laffan - Anchorage areas.
249(P)/07	B.A. 3718 - 3719 - 3788	SAUDI ARABIA - East Coast - Jubail North-eastwards - Depths.
374(P)/07	B. A. 3713 -3715	UNITED ARAB EMIRATES - Abu Dhabi (Abu -Zaby) -Khawr al Bighal, Approaches to Umman Nar, Khawr al Baṭīn - Buoyage. Lights. Leading line. Depth information. Works.
375(P)/07	B.A. 1235 (INT 7289)- 1265 (INT 7291) - 2884 (INT 7278)-3773-3842(INT 7292).	ARABIA - Approaches to the Shaṭṭal . Arab -Khawr al Amaya and Khawr al Kafka -Depths. Wrecks. Obstructions. Buoyage. Beacon. Light.
421(P)/07	BA 2523 (INT 7250) - 3789 - 3791 - 3950	QATAR - Ra.s Laffan - Works. Berths. Buoyage. Dredging areas. Reclamation areas.
422(P)/07	BA 3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - Approaches to Ad Dammam - Dredging areas. Works.
469(P)/07	BA 2895 -2896	OMAN - South East Coast - Port Salalah (Mina Raysut) -Breakwaters. Buoyage. Lights.
470(P)/07	BA 2442 -2443 -2444 -2523 (INT 7250) -2858 -2886 - 2887 (INT 7232) -2889 (INT 7211) -3176(INT 7216) - 3177 -3791 -3950	QATAR - UNITED ARAB EMIRATES - Submarine pipeline.
488(P)/07	20 - 288 - 289 BA 2523 (INT 7250) - 2886 -3791 - 3950	QATAR - Ras Laffan East-north-eastwards - Submarine pipeline. Buoyage.
489(P)/07	BA 1223 -3773	KUWAIT - Mina -. Ash Shuaybah South-eastwards and Mina. Al Ahmadi-North-eastwards - Buoyage. Dredging area. Works. Pier. Submarine pipelines.

621(T)/07	7071 (INT 71) – 7072 (INT 72) -7704 (INT 704), B.A. 143 (INT 7005) -157 (INT 7006) – 2964 (INT 758)	RED SEA – Jazirat at Tair - Light.
649(T)/07	B.A. 233 - 2133 (INT 7139) - 3214	EGYPT - Suez Canal - Port Said (Bûr Sa'îd) to Suez Bay - Channel depths.
668(P)/07	B.A. 7 - 3660	YEMEN - Gulf of Aden - Aden Inner Harbour - Buoyage.
054(T)/08	B.A. 1495 (INT 7736) – 1497 (INT 7735)	INDIAN OCEAN - La Réunion - Approaches to La Réunion - Fish havens.
055(T)/08	B.A.563- 2741 - 2756 - 2757	INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.

## 2. INDIA WEST COAST - INDIAN OCEAN

260(T)/99	255	INDIA West Coast – Approaches to Bombay – Bombay high, Oilfield development area – Platform
201(T)/00	2033 2060 2080 203	INDIA – West Coast – Gulf of Kachchh – Munde Reef – Lighterage area; Chemical and Gas anchorage area
330(P)/01	2076 2016	INDIA – West Coast – Mumbai Harbour – Jawahar Lal Nehru Port – Port Development
102(P)/02	2044 2101	INDIA– West Coast – Approaches to Hazira – Submarine pipeline
372(P)/02	224 317 262	INDIA – South Coast – North of Gulf of Mannar – Depths
446 (T)/02	2025 217 258 (INT 7348)	INDIA – West Coast – Approaches to Mangalore Harbour– Sunken Pontoon
484 (T)/02	2040 204 205 252 (INT 7325)	INDIA – West Coast – Porbandar Harbour – Buoy
176 (P)/03	2076 2016	INDIA – West Coast – Jawaharlal Nehru Port – Jetty
209 (T)/03	2040	INDIA – West Coast – Porbandar Anchorages – Depths
270 (T)/03	2082 2039	INDIA – West Coast – Dahej Harbour – Breakwater
92 (T)/04	208 209 2019 2044	INDIA – West Coast – Approaches to Magdalla – Submarine Pipeline.
121 (P)/04	208 209 254 2019 2044 2101	INDIA – West Coast – Approaches to Magdalla – Drilling.
137 (T)/04	21 203 2068 7705 (INT 705)	INDIA – West Coast – Gulf of Kachchh – Ballast Split.
195 (T)/04	292 (INT 7021)	ARABIAN SEA – Muscat to Bombay – Data Buoy.
302 (T)/04	2013 2031 2055 2068	INDIA – West Coast – Gulf of Kachchh – Port of Okha – Buoy.
407(T)/04	211 255 (INT 7334) 292 (INT 7021) 2016	INDIA – West Coast – Approaches to Mumbai – Restricted area.
485(T)/04	211 255 (INT 7334)	INDIA – West Coast – Off Mumbai – Submarine Pipeline.
507(P)/04	2002 (INT 7351) 2052 (INT 7350)	INDIA – West Coast – Port of New Mangalore and Mangalore – Depth.
50(P)/05	2018 (INT 7321) 2059 (INT 7322) 2080	INDIA – West Coast – Kandla – Sogal Channel – Buoy. Jetty.
85(P)/05	2021 2068	INDIA –West coast –gulf of Kachchh –Mundra Port - Submarine pipeline.
102(P)/05	2021 2068 2080	INDIA – West Coast – Gulf of Kachchh – Mundra Port – Work.
105(T)/05	4011	INDIA –Andaman Sea –Nicobar Islands – Approaches to East Bay – Jetty.
106(T)/05	4005 4006 4008 4012 4016	INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.
343(T)/05	31 32 (INT 754) 33 313 315 356 3001 (INT 7402) 3028	INDIA – West and East Coast – Off Ratnagiri, Chennai, Ennore, Ramyapatnam, Machalipatnam, Paradip, Cuddalore, Mahabalipuram, Vishakhapatnam – Data Buoys.
594 (T) /05	402 472 (INT 7032) 473 (INT 7031)	INDIA – WEST COAST – Andaman Sea – Data Buoy.
72 (P)/06	2003 2053.	INDIA –WEST COAST – Sacrifice Rock to Beypore – Sea Wall.
230 (P)/06	268(INT 7353) 2006 2007 2023 2047.	INDIA –Lakshdweep Islands– FAD.
231 (P)/06	203 2060 2068.	INDIA – West Coast – Pathfinder Inlets – Submarine Pipeline.

232 (P)/06	22(INT 752) 293(INT 7022) 257(INT 7343) 214 2022(INT 7345) 7706(INT 706).	INDIA – West Coast –Approaches to Mormugao- Wreck
256 (P)/06	21 22( INT 752) 211 255( INT 7334) 292 (INT 7021) 293 (INT7022) 2016 (INT 7336) 7705(INT705) 7706 (INT 706)	INDIA – West Coast – Inner Approaches to Mumbai.
325 (P)/06	257(INT 7343) 216 215 2008	INDIA-West Coast-Karwar harbour and approaches-wreck.
386 (P)/06	292(INT 7021) 254 (INT 7331) 209	INDIA WEST COAST – Hazira to Umargam – Eastern Bank - Wreck
407 (P)/06	273 268 (INT 7353).	INDIAN OCEAN – Central Lakshadweep – Chenyakara Island – Wreck.
424 (P)/06	252(INT 7325) 204 205 2040.	INDIA – West Coast – Porbandar Anchorage – Wreck.
441 (P)/06	213 256(INT 7340)	INDIA – West Coast – Ratnagiri to Vengurla – Wreck.
496 (T)/06	255 (INT 7334) – 211 – 2016 (INT 7336)	INDIA – West Coast – Inner approaches to Mumbai – Obstruction
511 (T)/06	2012	INDIA – West Coast – Alleppey Anchorage – Jetty
595 (T)/06	255 (INT 7334) - 293 (INT 7022) - 292 (INT 7021)	INDIA – West Coast – Approaches to Mumbai – Wreck
596 (T)/06	2011 - 212	INDIA – West Coast –Port Dabhol – Breakwater, Buoy, Dolphin
50 (T)/07	22(INT 752)- 23-32(INT 754) – 33-214 –217 – 224- 258 (INT 7348) – 262-268 (INT 7353) - 272 -273- 293 (INT 7022)- 2002(INT 7351)- 2020 -2022(INT 7345) - 2052(INT 7350)- 2075(INT 7366)- 2078 (INT 7346)-7705 (INT 705) - 7706(INT 706)	INDIA WEST COAST– ARABIAN SEA –New Mangalore Port, Off Mormugao Port – Data Buoys
090(T) /07	255(INT 7334) – 211 – 2016(INT 7336) – 2015 (INT 7337)	INDIA – West Coast –Port of Mumbai –Light.
105(T) /07	204 – 205 – 252 (INT 7325) – 2040	INDIA – West Coast –Porbandar Anchorage – Wreck.
167(T) /07	2016(INT 7336)-2015(INT 7337) - 2076-2001	INDIA – West Coast – Port of Mumbai – Buoys.
216(P) /07	2077 - 2028	INDIA – West Coast – Kochi (cochin) harbour – buoys.
275(T) /07	2031 - 2013	INDIA WEST COAST – Gulf of Kachchh – Port of Okha - Buoy.
306(T) /07	254(INT 7331) – 208 – 209 – 2044 – 2101 - 2019	INDIA - WEST COAST – Approaches to Magadalla -Tapi Channel – Buoys.
346(T) /07	203(INT 7319)– 2060 – 2068.	INDIA - WEST COAST – GULF OF KACHCHH- Lightrage Operation
347(T) /07	21 - 292(INT 7021) - 252(INT 7325) – 204 - 205.	INDIA - WEST COAST –Navibandar to Veraval. Wreck.
348(T) /07	21-291- 292 (INT 7021) -271- 252(INT 7325) -202-204.	INDIA - WEST COAST –Dwaraka to Navibandar – Wreck.
349(T) /07	255 (INT 7334) –2016 (INT 7336).	INDIA - WEST COAST –Inner Approaches to Mumbai – Buoy.
350(T) /07	2016 (INT 7336).	INDIA - WEST COAST –Inner Approaches to Mumbai – Buoy.
351(T) /07	22(INT 752)-258(INT 7348)- 217-272-2052(INT 7350)- 2002(INT 7351)	INDIA WEST COAST– ARABIAN SEA –Off Mormugao Port – Data Buoys.
372(T) /07	2008 – 2010	INDIA - WEST COAST –Karwar harbour – Buoy.
400(T) /07	254 (INT 7331) – 207.	INDIA – WEST - COAST – Diu Head to Gopnath Point – Buoys.
510(T)/07	203(INT 7319) – 208 -254 (INT 7331) -2068 – 2044 – 2079 - 2060	INDIA - WEST COAST –Gulf of Kachchh – Deep Water Route. Buoys
511(T)/07	203(INT 7319) - 2068	INDIA - WEST COAST –Gulf of Kachchh – Deep Water Route. Salaya Channel Buoy.
512(T)/07	208 – 2039 - 2082	INDIA - WEST COAST –Approaches to Dahej – Baruch Channel - Buoy.

542(T)/07	21 – 292 (INT 7021) - 271	ARBIAN SEA – Muscat to Mumbai – Gulf of Kachchh – Tsunami Buoy
543(T)/07	2101 - 2034	INDIA – WEST COAST – Hazira Port – Channel – Dredging Area.
544(T)/07	2016(INT 7336) - 2076	INDIA – WEST COAST – Inner approaches to Mumbai – Jawahar Lal Nehru Port & Trombay – Depths.
582(T)/07	2008.	INDIA – WEST COAST – Karwar harbour and approaches – Channel .Depth.
617(P)/07	2073 – 217 – 216 – 258 (INT 7348) – 257 (INT 7343) – 272 – 293 (INT 7022) – 22 (INT 752).	INDIA – WEST COAST – Approaches to Kundapura (Coondapoor) – Light.
618(T)/07	2008 - 2010.	INDIA – WEST COAST – Karwar Harbour and Approaches – Transit Marks.
619(T)/07	2008 - 2010.	INDIA – WEST COAST – Karwar Harbour – Channel Buoy.
647(T)/07	21 – 203(INT 7319) – 2079 – 2080 – 2083 – 2033.	INDIA – WEST COAST – Gulf of Kachhh – Construction Work.
667(P)/07	2008	INDIA WEST COAST - Karwar Harbour – Construction Work.

### 3. INDIA EAST COAST - ANDAMAN NICOBAR, SRI LANKA

163(T)/99	41 451	INDIA – Andaman Sea – Gulf of Martaban – Oil Development Area
63 (T)/03	4001 4014 403	INDIA – Bay of Bengal – Middle Andaman – Rangat Bay – Beacon
343 (P)/03	4032	INDIA – Nicobar Islands – Sawai Bay and Malacca Anchorage – Breakwater, Beacon.
380 (T)/03	315 316 358	INDIA AND SRILANKA – Palk Strait – Wreck.
193 (T)/04	225 2064	SRILANKA – West Coast – Colombo, Weligama Bay and Beruwala Point Westwards – Depths. Wreck. Rocks. Harbour limit. Port development.
287 (P)/04	3010	INDIA – East Coast – Paradip Port – Breakwater.
323 (T)/04	3028	INDIA – East Coast – Ports of Ennore – Jetty.
355 (P)/04	308 354 (INT 7408) 3002 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakhapatnam Harbour – Berth.
389(T)/04	4013 4016	INDIA – Andaman Sea – Neill Island – Jetty.
390(T)/04	409 471 472 (INT 7032) 4036	INDIA-Andaman Sea -Nicobar Islands -Approaches to Pulo Millow-Light.
391(T)/04	409 472 (INT 7032) 4034	INDIA – Andaman Sea – Little Nicobar Islands – Kabra Island – Light.
52(T)/05	All charts of A & Is, Coast of A.P,Tamil Nadu, Kerala, Maldives & Srilanka	INDIAN OCEAN – Bay of Bengal – Changes in bathymetry and coastline
88(T)/05	4011 4017	INDIA -Nicobar Islands-Katchall Island –Approaches toEast Bay–Beacon.
133(T)/05	308 354 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakapatnam Harbour – Wreck.
135(T)/05	4010	INDIA – Andaman Sea – Little Andaman Islands-Hut Bay-Coast line.Jetty.Light.
276(T)/05	4012.	INDIA – Andaman Island – Inner Harbour – Port Blair – Beacon.
59 (T) /06	22 23 32 33 263 41 407 471 472	INDIA – West and East coast – Andaman Sea and Gulf of Mannar – data buoy .
75 (T)/06	22 32(INT 754) 214 217 224 257 258 262 268 272 273 2002 2020 2022 2052 2075 (INT 7366) 2078	INDIA – East & West Coast – Tuticorin, Off Kavarati Island, Lakshadweep Sea, Port of Mormugoa and Port of New Mangalore – Data Buoys.
137 (T)/06	33 356 (INT 7400) 357 (INT 7397) 313 3001 (INT 7402) 3004 (INT 7403)	INDIA -East Coast – Madras (Chennai) Harbour – Data buoy.
180 (T) /06	214 257 293 313 356(INT 7400) 2020 2022 2078 (INT 7346) 3001	INDIA – East & West Coast – Ennore Port & Off Mormugao Port – Data Buoy.
258 (T)/06	21 32 313 356 357 3001 7703 (INT 703) 7706(INT 706).	INDIA – East Coast – Approaches to Chennai – Data buoys

428 (P)/06	351 301.	INDIA – East Coast – Ocean – Approaches to Hugli River – Obstruction
429 (P)/06	473 (INT 7031) 472(INT 7032) 406.	ANDAMAN SEA – India – Andaman Islands – Little Andaman Island to Ten Degree Channel – Wreck.
442 (P)/06	3010 (INT 7418) (Plan).	INDIA – East Coast – Paradip Port – Work in Progress.
475 (T) /06	4005	ANDAMAN SEA – INDIA – Nicobar Islands –Nancowary harbour and approaches – Buoy.
512 (T) /06	356 (INT 7400) – 313 – 3001 (INT 7402)	INDIA – East Coast – Approaches to Chennai (Madras) – Data Buoy
548 (T) /06	3031.	INDIA – East Coast – Krishnapatnam Anchorage – Transits mark.
106(T) /07	358(INT 7394) – 317	INDIA – SRILANKA – Palk Bay – Western Portion – Obstructions
168(P) /07	3002(INT 7410)	INDIA – East Coast – Approaches to Visakhapatnam- Gangavaram Port – work in progress
169(T) /07	3012(INT 7411)	INDIA – East Coast –Vishakhapatnam Harbour – Mooring Buoy.
170(P) /07	41- 405 – 473(INT 7031) - 4030 – 7706 (INT 706)	INDIA – Andaman Sea- Manners Strait And Duncan Passage- Off Cinque Island – Wrecks.
171(T) /07	41- 7071(INT 71) – 7073 (INT 73) – 7706 (INT 706)	INDIA – Andaman Sea- Drilling Operations.
187(T) /07	31-32(INT 754)-33	INDIA EAST COAST– Off Chennai, Off Machillipatnam, Off Cuddalore and Off Vedarannyam – Data Buoys.
188(T) /07	321 – 322 – 371 – 3020	BAY OF BENGAL- Coast of Burma– Combermere Bay to Cheduba Strait – Kyaukpyu harbour – Met Observations.
189(T) /07	371 – 320 – 321 – 3019– 3022	BAY OF BENGAL- Coast of Burma– Approaches to Kaladan River – Met Observations.
219(T) /07	4032	INDIA – Nicobar Islands Sawai Bay & Malacca Anchorage – Transit mark – Beacon.
222(T) /07	23 – 32(INT 754) – 33 – 226 –264– 358 – 359 – 2064 – 7704 (INT 704)	SRI LANKA - South Coast - Little Basses Reef - Light.
248(T) /07	33	INDIA – Off Car Nicobar – Tsunami Buoys.
276(T) /07	31 33	BAY OF BENGAL – Northern and Southern Portion – Data Buoys.
308(T) /07	32(INT 754) – 315 – 316 - 317 - 358(INT 7394)	INDIA - EAST COAST – Bay of Bengal- Dredging Operation
309(T) /07	33	INDIAN OCEAN - BAY OF BENGAL – Southern Portion – Tsunami Data Buoy.
312(T) /07	23 -33 -7702 (INT 702) -7706 (INT 706) -7707 (INT 707)	INDIAN OCEAN - Data buoys.
419(T) /07	406 - 4010	ANDAMAN SEA – INDIA - Little Andaman Islands – Hut Bay – Light.
420(T) /07	33	INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Tsunami Buoy
444(T) /07	33	INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Data Buoy
445(T) /07	BA 817 (INT 7430)	BURMA - Sittwe South-westwards - Survey stations.
468(T) /07	31 – 371 – 321 – 322	BAY OF BENGAL – Coast of Burma –Mayu River to Kyaukpyu – Off Kyaukpyu harbour – Met observation.
485(T) /07	33	INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Tsunami Buoy
486(T) /07	357(INT 7397) - 3003	INDIA – EAST COAST – Pondicherry Anchorage – Data Buoy
513(T)/07	301- 351 - 3011(INT 7421) – 3013 - 3006(INT 7423)	INDIA - EAST COAST` - Hugli River -Haldia to Kukrahatti Reach – Depths.
583(T)/07	22(INT 752) – 223 – 260(INT 7362) - 261.	INDIA – SOUTH EAST COAST – Off Cape Comorin - Wreck
584(T)/07	3004(INT 7403)	INDIA – EAST COAST – Madras (Chennai) harbour – Lights.
586(P)/07	356(INT 7400) - 3031	INDIA – EAST COAST – Krishnapatnam Anchorage – Construction Work. Dredging.
650(P)/07	4019	BURMA – Rangoon River - Channel depths. Depths. Wreck. Port developments. Coastline. Bridge. Drying contour. Recommended route. Buoyage.
056(P)/08	225 – 2063 - 2064	SRI LANKA - West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.

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

382 (T)/03	B.A. 4038 4034 4044	SINGAPORE – West Coast and Pulau Ubin, North Coast – Works.
383 (T)/03	33 41 B.A. 400 1353 2760 2777 2917 3574 3919 3920	INDONESIA –Sumatera – North and Northwest Coasts – Restricted area.
397(P)/05	B.A. 2056 3729	INDONESIA – Jawa – North Coast – Approaches to Tanjungpriok – Submarine pipeline. Submarine cable. Light-beacons.
426(P)/05	B.A. 2965	INDONESIA –Sumatera – West Coast – U. Jungutbatupati to U. Nibung – Depths. Jetty. Lights. Piers. Reclamation area. Beacons. Restricted area.
463(P)/05	B.A. 932 933	INDONESIA - Jawa -Tanjungpriok and Approaches - Coastline. Depths. Light-beacon. Buoyage. Platform. Wrecks. Maritime limit.
540 (P)/05	7708 (INT 708)	INDIAN OCEAN - Cocos Islands - Light-beacon.
179 (P) /06	BA 1141 3946 3947	MALAYSIA - Peninsular Malaysia, West Coast -Pelabuhan Sungai Udang and Approaches -Maintained channel. Anchorage areas. Berths.
071(P) /07	433-4025	THAILAND - West Coast - Ao Krabi - Approaches to Krabi and Approaches to Phuket - Leading lines. Buoyage. Light-beacons.
144(P) /07	B.A. 3833	SINGAPORE STRAIT - Western Part - The Brothers to Batuampar Northwards - Submarine cables.
146(P) /07	41 – 432 BA 3941	THAILAND - West Coast - Ko Surin South-westwards to Ko Phuket Westwards - Firing practice areas. Military practice area.
223(P) /07	4026 - 4027	MALAYSIA - Peninsular Malaysia, West Coast - Pinang Harbour - Coastline. Works. Lights. Beacons. Depths. Drying patch. Wrecks. Obstructions. Dredged areas. Marine farms.
376(P) /07	B. A. 1312 -2403 -3721 - 3831 -3833 -3937 -3949 - 4041 -4042	INDONESIA - Kalimantan - West Coast - T. Saleh Westwards to Singapore Strait - Pulau Batam - T. Pinggir - Submarine cable.
377(P) /07	7508( INT 508) B. A. 1312 -1788 -2137 - 2149 -3729	INDONESIA - Sumatera - Pulau Belitung West Coast - Tanjungpandan to Jawa North Coast - Pakis - Submarine cable.
446(P) /07	BA 2403 - 3831 - 3833 - 3937 - 3949 - 4041 - 4042	SINGAPORE STRAIT - Pulau Batam to Johor - Submarine cable.
546(T)/07	B.A. 1358 -2139 -3946	MALAYSIA - Peninsular Malaysia, West Coast - Tanjung Tongkah - Kuala Langat - Buoy. Light-beacon.
588(T)/07	B.A. 3833 -4031 -4032 -4039 -4040	SINGAPORE - Jurong Island - Sinki Fairway - Banyan Basin Southwards - Dredging area. Buoyage.
669(P)/07	436	MALAYSIA - Peninsular Malaysia, West Coast -Selat Manjung and Sungai Manjung – Dredged area.
057(P)/08	B.A. 3833 - 4032 - 4034 - 4035 - 4036 - 4037 - 4040 - 4041 - 5502	SINGAPORE - West Keppel Fairway - Jong Fairway - Western Anchorage -Fairways. Anchorage areas.
058(P)/08	B.A. 2056 - 2149	INDONESIA - Sumatera - East Coast - T.Penet Eastwards - Platforms. Submarine cables. Submarine pipelines. Restricted area.

**Cancelled Notices**

<b>Area</b>	<b>Notice No.</b>	<b>Ref. No.</b>
2	110(T)/92	059(T)/08
3	247(P)/95	038/08
2	302(T)/97	593/07
2	052(T)/98	523/07
2	075(T)/98	652/07
2	354(T)/98	523/07
3	057(T)/00	530/07
3	081(T)/00	037/08
2	131(T)/00	527/07
2	270(P)/00	653/07
2	407(T)/01	651/07
2	294(P)/02	059(T)/08
3	064(T)/03	039/08
3	162(T)/03	035/08
2	197(T)/03	059(T)/08
2	233(T)/03	059(T)/08
3	252(P)/03	556/07
2	356(T)/03	059(T)/08
2	413(P)/03	033/08
3	203(T)/04	059(T)/08
2	449(T)/04	054(T)/08
2	086(T)/05	059(T)/08
2	129(P)/05	059(T)/08
2	157(P)/05	059(T)/08
3	160(T)/05	059(T)/08
2	302(T)/05	591/07
3	364(P)/05	650(P)/07
2	365(P)/05	059(T)/08
3	467(T)/05	059(T)/08
3	468(T)/05	059(T)/08
3	567(P)/05	059(T)/08
2	425(P)/06	592/07
3	443(P)/06	657/07
1	444(T)/06	055(T)/08
2	510(T)/06	618(T)/07
4	145(P)/07	059(T)/08
2	186(T)/07	059(T)/08
3	217(P)/07	059(T)/08
3	218(P)/07	059(T)/08
2	307(P)/07	624/07
3	310(T)/07	059(T)/08
3	352(T)/07	059(T)/08
2	401(T)/07	059(T)/08
3	417(T)/07	059(T)/08
3	443(T)/07	059(T)/08
3	465(T)/07	059(T)/08
3	466(T)/07	059(T)/08
1	487(T)/07	626/07
3	514(P)/07	056(P)/08
-	515(T)/07	059(T)/08
3	545(T)/07	059(T)/08
3	585(T)/07	059(T)/08
4	587(T)/07	050/08
1	620(P)/07	649(P)/07
2	648(T)/07	059(T)/08

**SECTION – IV: MARINE INFORMATION**

**The diligent reporting of dangers to Navigation by the following ships is worthy of appreciation.**

**Indian Naval/Coastguard ships/Merchant Vessels/Port Trusts.** INS Viraat, Investigator, Nirupak, Darshak, Pipava Port Trust, Cochin Port Trust, Hazira Port, Kolkata port Trust, NIOT Chennai.

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

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<p><b>Bogerd Martin Tianjin(China Branch)</b>            2-B101 FTZ Hi-Tech            Development Centre 131            Haibin 9 Road 300461            Tianjin China            Ph: +86 22 257 62 721            Fax: +86 22 257 62 722            Email: <a href="mailto:charts-tj@martincn.com">charts-tj@martincn.com</a></p>	<p><b>C-Map Holland</b>            Paleiskade100            PO Box 7            1781 AR Den Helder,            Holland            Ph: +31 223 616 700            E Mail: CorMallie  <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a></p>	
<p>* Indicates C Map Norway AS has changed name to <b>Jeppesen Marine Norway AS</b>.            Indicates C Map India has changed name to <b>Jeppesen India</b>.</p>		

**Tsunami Notices**

**52 (T) (01/05) INDIAN OCEAN, BAY OF BENGAL – Changes in bathymetry and Coastline.**

Source: NHO, Dehradun  
 (HJ/NM/Gen)

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

**Charts affected: All Indian charts of Andaman & Nicobar Islands, coast of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka**



**\*88 (T) (03/05) INDIA – Nicobar Islands – Katchall Island – Approaches to East Bay – Beacon.**

Source: PMB A &amp; N Islands

(HJ/928/76)

1. It is informed that all the three sets of beacons/buoys in East Bay including the jetty and approach has been totally damaged and sunk.
2. Mariners are advised to exercise caution and contact local port authorities for the latest information.
3. Former INM 339 (P)/04 is cancelled.

**Charts affected: 4011 - 4017****\*105 (T) (04/05) INDIA – Andaman Sea – Nicobar Islands – Approaches to East Bay – Jetty..**

Source: Hydrographic Note, INS Sandhayak

(HJ/928/76)

It is reported that East Bay Jetty at approx position 07° 58'.68N., 93° 23'.73E. is destroyed due to Tsunami disaster.

**Charts affected: 4011****\*106 (T) (04/05) INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.**

Source: Port Management Board, Andaman and Nicobar &amp; Hydrographic Note, INS Sandhayak

(HJ/928/86)

1. Following buoys/beacons were reported totally damaged and sunk post Tsunami disaster:

**Nancowry Island**

(d) North east lighted beacon 08° 01'.60N., 93° 33'.80E.

(e) Reid Point beacon 08° 01'.48N., 93° 33'.35E.

(f) Mayo Point beacon 08° 01'.60N., 93° 32'.53E.

**Mayabundar Island**

(g) Takla west beacon 12° 55'.53N., 92° 53'.46E.

**Port Blair**

(h) Bamboo flat beacon 11° 41'.33N., 92° 43'.20E.

(i) Range flat beacon 11° 41'.21N., 92° 43'.06E.

2. Mariners to exercise caution while navigating through this area.

**Charts affected: 4005 – 4006 – 4008 – 4012 – 4016****\*135 (T) (05/05) ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Coast line. Jetty. Light.**

Source: INS Sandhayak

(HJ/1028/07)

1. It is reported that the coastline in the area had undergone drastic changes. The Hut Bay breakwater has been breached at several places. The entire approach road and breakwater light at position 10° 35'.81N., 92° 33'.83E. has been destroyed. The passenger jetty is not safe to approach as the wreck of the fallen crane is a hazard to navigation.
2. Mariners are to exercise caution while navigating through this area.

**Charts affected: 4010**

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

- For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
- NAVAREA Warnings in force: - The serial numbers of all the NAVAREA warnings in force as on 28 Dec 07, covering the entire world are listed below against the respective NAVAREA.

<b><u>NAVAREA No.</u></b>	<b><u>LOCATION</u></b>	<b><u>LAST NAVAREA</u></b>	<b><u>NAVAREA IN FORCE</u></b>
I	N.E. Atlantic	340	<b>2005 series:</b> 402. <b>2007 series:</b> 019 035 050 199 247 251 279 293 314 317 327 329 334 338 340.
II	E. Atlantic	472	<b>2007 series:</b> 103 295 313 375 415 433 434 436 442 443 461 471 472.
III	Mediterranean	512	<b>2007 series:</b> 462 466 468 469 475 476 478 482 485 486 488 489 491 493 494 495 496 498 501 502 503 506 507 508 510 511 512.
IV	N.W. Atlantic	387	<b>2007 series:</b> 196.
V	W. Atlantic	1062	<b>2007 series:</b> Nil.
VI	S.W. Atlantic	394	<b>2007 series:</b> Nil
VII	S.E. Atlantic	177	<b>2007 series:</b> 142 168 175 176 177.
VIII	Indian Ocean	693	<b>2007 series -</b> 201 257 366 367 371 373 380 388 389 396 406 418 440 509 510 511 512 515 538 540 572 574 601 602 604 612 624 625 631 637 638 640 641 646 647 652 653 655 656 660 661 662 664 666 667 668 669 670 672 675 676 677 680 681 682 684 685 686 687 688 689 690 691 692 693

<b>662. India Andaman Sea- Off Little Nicobar Island.</b> Charts 31 41 409 471 472 4036 INT 73 INT 706. Fishing boat capsized in position 07-30.19N., 093-43.80E. 2 All vessels operating in vicinity to keep sharp lookout and render assistance.
<b>663. Cancelled.</b>
<b>664. India West Coast – Off Mumbai.</b> Charts 21 22 211 255 292 293 2016 INT 705 INT 706. Diving operations in progress for remedial to Heera-Uran 26” gas trunk line by MSV Samudra Sevak call sign VWFN in position 18-44.36N., 072-40.23E. 2 All vessels operating in vicinity are to keep sharp lookout and a safe distance of 0.5 NM from the vessel.
<b>665. Cancelled.</b>
<b>666. India Andaman Sea – Off Nicobar.</b> Charts 33 41 471 472 INT 707. Man Overboard reported by Maersk Value in approximate position 06-24.7 N., 092-05.73 E. 2. Mariners advised to keep sharp lookout and render assistance.
<b>667. Cancel Navarea Eight Message 619 of 2007. India West Coast – Arabian Sea.</b> Charts 21 22 253 254 255 292 INT 705. Seismic survey in progress by ‘Geco Topaz’ till 31 Jan 2008 in area bounded by: (a) 19-54.0N., 071-10.0E (b) 18-50.0N., 071-10.0E (c) 18-50.0N., 072-06.0E (d) 19-54.0N., 072-06.0E 2. The vessel is towing six seismic cables each 4 nm long with white strobo light at the end of the cables. 3. All vessels operating in vicinity are to keep a safe distance of 06 nm from the vessel and exercise caution.
<b>668. India West Coast – Arabian Sea.</b> Charts 21 204 252 271 291 292 INT 705. Fishing boat Yatina sunk in position 21-52.9N., 068-48.0E. 2. Mariners to exercise caution
<b>669. Bay of Bengal – Pt Calimere.</b> Charts 32 33 357 358 INT 706. Tug Sumangla in distress due to engine failure and drifting in position 10-28.28N.,080-05.00E. 2. All vessels operating in vicinity to keep sharp lookout and render assistance.
<b>670. Indian Ocean – Off Colombo.</b> Charts 23 32 263 INT 706. Srilankan fishing vessel Thushan Putha Regn No-IMUL-1736 NBO length-28 feet colour red with 03 crew drifting since 13 Dec 2007 in position 07-13.0N.,079-19.0E. 2. Vessel transiting in area to keep sharp lookout and render assistance.

<b>671. Cancelled.</b>																																																																																	
<b>672. Refer Navarea Eight 646 of 2007. India East Coast – Bay of Bengal.</b> Charts 31 32 354 355 INT 706. Drill ship Deep Water Frontier moved to new position 16-41.5N., 082-41.5E. 2. Wide berth requested.																																																																																	
<b>673 to 674. Cancelled.</b>																																																																																	
<b>675. India Andaman Sea-Ross Island.</b> Charts 33 41 406 472 INT 706. Fish aggregating device (FAD) made of a wooden platform containing a buoyancy tank painted with red and white colour connected with coconut leaves, spadex, bunches of yellow coloured artificial lure red coloured flag on platform installed by the fishery survey of india (FSI) in position 11-31.55N., 092-45.26E. 2. Mariners to exercise caution.																																																																																	
<b>676. India West Coast- Malakka Bank.</b> Charts 21 207 254 292 INT 705. Buoy no. 03 in position 20-40.56N., 071-58.92E; Unlit.																																																																																	
<b>677. Cancel Navarea Eight Message 504 and 594 of 2007. India West Coast – Arabian Sea.</b> Charts 21 22 202 211 251 253 255 271 291 292 293 INT 705 INT 706. Present position of oil rigs / drill ships as follows: <table border="0" style="width: 100%; border-collapse: collapse;"> <tr><td>ABAN III</td><td>18-44.08N</td><td>072-18.46E</td></tr> <tr><td>ABAN V</td><td>19-19.41N</td><td>071-23.43E</td></tr> <tr><td>BADRINATH</td><td>17-30.30N</td><td>072-23.55E</td></tr> <tr><td>CE THRONTON</td><td>20-14.35N</td><td>071-55.33E</td></tr> <tr><td>FG Mc CLINTOK</td><td>19-19.61N</td><td>071-16.66E</td></tr> <tr><td>FRONTIER ICE</td><td>19-04.81N</td><td>071-07.68E</td></tr> <tr><td>HITDRILL</td><td>19-31.81N</td><td>071-25.03E</td></tr> <tr><td>JT ANGEL</td><td>19-18.81N</td><td>071-25.05E</td></tr> <tr><td>KEDARNATH</td><td>19-58.75N</td><td>071-08.65E</td></tr> <tr><td>NOBLE CHARLIE</td><td>19-17.78N</td><td>071-20.66E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-25.21N</td><td>071-11.56E</td></tr> <tr><td>PRIDE PENNSYLVANIA</td><td>19-15.18N</td><td>072-02.17E</td></tr> <tr><td>PRIDE HAWAI</td><td>18-31.88N</td><td>072-16.73E</td></tr> <tr><td>RON TOPMEYYER</td><td>19-13.86N</td><td>071-25.23E</td></tr> <tr><td>RONDOLF YOST</td><td>19-11.99N</td><td>072-11.00E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-40.41N</td><td>071-19.36E</td></tr> <tr><td>SAGAR LAXMI</td><td>18-36.15N</td><td>071-01.63E</td></tr> <tr><td>SAGAR PRAGATI</td><td>18-32.27N</td><td>072-15.43E</td></tr> <tr><td>SAGAR RATNA</td><td>19-02.96N</td><td>072-11.11E</td></tr> <tr><td>SAGAR SAMRAT</td><td>19-32.13N</td><td>071-18.81E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-26.15N</td><td>071-18.63E</td></tr> <tr><td>SAGAR UDAY</td><td>19-34.71N</td><td>071-20.64E</td></tr> <tr><td>TRIDENT – 2</td><td>19-25.35N</td><td>071-19.55E</td></tr> <tr><td>TRIDENT – 12</td><td>19-26.65N</td><td>071-20.61E</td></tr> <tr><td>ENSCO-50</td><td>19-23.16N</td><td>071-57.16E</td></tr> <tr><td>ENSCO-53</td><td>19-21.45N</td><td>071-50.13E</td></tr> <tr><td>OFFSHORE COURAGEOUS</td><td>21-03.94N</td><td>072-31.58E</td></tr> </table> 2. Wide berth requested.	ABAN III	18-44.08N	072-18.46E	ABAN V	19-19.41N	071-23.43E	BADRINATH	17-30.30N	072-23.55E	CE THRONTON	20-14.35N	071-55.33E	FG Mc CLINTOK	19-19.61N	071-16.66E	FRONTIER ICE	19-04.81N	071-07.68E	HITDRILL	19-31.81N	071-25.03E	JT ANGEL	19-18.81N	071-25.05E	KEDARNATH	19-58.75N	071-08.65E	NOBLE CHARLIE	19-17.78N	071-20.66E	NOBLE ED HOLT	19-25.21N	071-11.56E	PRIDE PENNSYLVANIA	19-15.18N	072-02.17E	PRIDE HAWAI	18-31.88N	072-16.73E	RON TOPMEYYER	19-13.86N	071-25.23E	RONDOLF YOST	19-11.99N	072-11.00E	SAGAR GAURAV	19-40.41N	071-19.36E	SAGAR LAXMI	18-36.15N	071-01.63E	SAGAR PRAGATI	18-32.27N	072-15.43E	SAGAR RATNA	19-02.96N	072-11.11E	SAGAR SAMRAT	19-32.13N	071-18.81E	SAGAR SHAKTI	19-26.15N	071-18.63E	SAGAR UDAY	19-34.71N	071-20.64E	TRIDENT – 2	19-25.35N	071-19.55E	TRIDENT – 12	19-26.65N	071-20.61E	ENSCO-50	19-23.16N	071-57.16E	ENSCO-53	19-21.45N	071-50.13E	OFFSHORE COURAGEOUS	21-03.94N	072-31.58E
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ENSCO-50	19-23.16N	071-57.16E																																																																															
ENSCO-53	19-21.45N	071-50.13E																																																																															
OFFSHORE COURAGEOUS	21-03.94N	072-31.58E																																																																															
<b>678 to 679. Cancelled.</b>																																																																																	
<b>680. India East Coast – Bay of Bengal.</b> Charts 31 32 354 INT 706. Firing practice by Naval Ships between 0530 UTC and 0830 UTC 01 Jan 2008. Danger area bounded by : <table border="0" style="width: 100%; border-collapse: collapse;"> <tr><td>(a) 17-44.00N.,</td><td>083-53.00E</td><td>(b) 18-11.00N.,</td><td>084-25.00E</td></tr> <tr><td>(c) 17-57.00N.,</td><td>085-04.00E</td><td>(d) 17-32.00N.,</td><td>084-33.00E</td></tr> </table> 2. Safe flying height 10000 metres. 3. Cancel this message on 02 Jan 2008.	(a) 17-44.00N.,	083-53.00E	(b) 18-11.00N.,	084-25.00E	(c) 17-57.00N.,	085-04.00E	(d) 17-32.00N.,	084-33.00E																																																																									
(a) 17-44.00N.,	083-53.00E	(b) 18-11.00N.,	084-25.00E																																																																														
(c) 17-57.00N.,	085-04.00E	(d) 17-32.00N.,	084-33.00E																																																																														
<b>681. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery between 0330 UTC and 1530 UTC on 01 Jan, 04 Jan, 08 Jan, 11 Jan, 15 Jan, 18 Jan, 22 Jan, 25 Jan and 29 Jan 2008 . Danger area bounded by: <table border="0" style="width: 100%; border-collapse: collapse;"> <tr><td>(a) 09-57.5N.,</td><td>075-59.5E</td><td>(b) 09-57.7N.,</td><td>076-14.2E</td></tr> <tr><td>(c) 09-44.0N.,</td><td>076-17.5E</td><td>(d) 09-42.5N.,</td><td>076-09.5E</td></tr> </table> 2. Safe flying height 10000 metres. 3. Cancel this message on 30 Jan 2008.	(a) 09-57.5N.,	075-59.5E	(b) 09-57.7N.,	076-14.2E	(c) 09-44.0N.,	076-17.5E	(d) 09-42.5N.,	076-09.5E																																																																									
(a) 09-57.5N.,	075-59.5E	(b) 09-57.7N.,	076-14.2E																																																																														
(c) 09-44.0N.,	076-17.5E	(d) 09-42.5N.,	076-09.5E																																																																														

<p><b>682. India West Coast – Mormugao.</b> Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC and 1230 UTC from 01 Jan to 07 Jan and 14 Jan to 21 Jan 2008. Danger area bounded by:</p> <p>(a) 15-13.0N., 073-57.0E (b) 15-13.0N., 073-52.0E  (c) 15-11.0N., 073-52.0E (d) 15-11.0N., 073-57.0E</p> <p>2. Safe flying height 3500 meters.  3. Cancel this message on 22 Jan 2008.</p>
<p><b>683. Cancelled.</b></p>
<p><b>684. India West Coast – Off Mumbai.</b> Charts 21 22 211 255 292 293 2016 INT 706. Man Overboard reported from Barge Orion-II in position 18-55.5N., 072-41.8E</p> <p>2. All vessels operating in vicinity to keep a sharp lookout and render assistance.</p>
<p><b>685. India East Coast – Bay of Bengal.</b> Charts 31 32 353 355 INT 706. Firing practice by Naval Ships between 0930 UTC to 1330 UTC on 01 Jan 0330 UTC to 1030 UTC on 02 Jan and 0530 UTC to 0830 UTC on 03 Jan 2008. Danger area bounded by :</p> <p>(a) 17-00.00N., 083-06.00E (b) 17-46.00N., 084-04.00E  (c) 16-38.00N., 085-04.00E (d) 15-52.00N., 084-06.00E</p> <p>2. Safe flying height 22000 metres.  3. Cancel this message on 04 Jan 2008.</p>
<p><b>686. India East Coast- Visakhapatnam.</b> Charts 31 32 308 354 3002 3012 INT 706. Firing exercise by Naval Coast Battery from 0001 UTC to 0200 UTC and from 1230 UTC to 1430 UTC on 02 Jan and 16 Jan 2008. Danger area bounded by:</p> <p>(a) 17-42.0N., 083-18.0E (b) 17-47.0N., 083-32.0E  (c) 17-34.0N., 083-30.0E (d) 17-28.0N., 083-18.0E</p> <p>2. Safe flying height 13000 metres.  3. Cancel this message on 17 Jan 2008.</p>
<p><b>687. India East Coast - Gopalpur.</b> Charts 31 352 353 3005 INT 706. Firing exercise between 2330 UTC and 1800 UTC from 03 Jan to 05 Jan and 22 Jan to 25 Jan 2008. Danger area bounded by:</p> <p>(a) 19-14.60N., 084-53.70E (b) 19-37.05N., 085-27.85E  (c) 18-46.05N., 085-22.86E</p> <p>and arc of 42 NM radius joining point (b) and (c).</p> <p>2. Safe flying height 6100 metres.  3. Cancel this message on 26 Jan 2008.</p>
<p><b>688. India West Coast- Okha.</b> Charts 21 202 203 251 271 291 2013 2068 INT 705. Seaward firing practice by Naval Coast Battery between 1030 UTC and 1230 UTC on 03 Jan 2008. Danger area bounded by:</p> <p>(a) 22-22.0N., 068-50.0E (b) 22-37.0N., 068-53.0E  (c) 22-42.0N., 069-08.0E (d) 22-29.0N., 069-04.0E</p> <p>2. Safe flying height 13000 metres.  3. Cancel this message on 04 Jan 2008.</p>
<p><b>689. Refer Navarea Eight Message 646 of 2007. India East Coast- Bay of Bengal.</b> Charts 31 32 355 INT 706. Rig C Kirk Rhein moved to new position 15-53.2N., 081-33.4E.</p> <p>2. Wide berth requested.</p>
<p><b>690. India West Coast- Pipavav Port.</b> Charts 21 206 207 253 292 2056 2081 2100 INT 705. Fairway buoy position 20-52.80N., 071-29.90E and No-1 buoy position 20-53.50N., 071-30.20E is temporarily withdrawn.</p> <p>2. Mariners to exercise caution.</p>
<p><b>691. India West Coast- Pipavav Port.</b> Charts 21 206 207 253 292 2056 2081 2100 INT 705. No-8 buoy position 20-54.71N., 071-30.28E and No-11 buoy position 20-55.08N., 071-31.20E is permanently withdrawn.</p> <p>2. Mariners to exercise caution</p>
<p><b>692. Self Cancelling. Cancel Navarea Eight Message 683 of 2007.</b></p>
<p><b>693. Self Cancelling. Navarea Eight Warning Inforce</b></p> <p><b>2007 series -</b> 201 257 366 367 371 373 380 388 389 396 406 418 440 509 510 511 512 515 538 540 572  574 601 602 604 612 624 625 631 637 638 640 641 646 647 652 653 655 656 660 661 662  664 666 667 668 669 670 672 675 676 677 680 681 682 684 685 686 687 688 689 690 691 692</p>

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	264	<b>2006 series:</b> 106 116 147 177 200 216. <b>2007 series:</b> 006 018 022 027 042 062 092 095 106 108 136 145 152 155 156 159 168 172 176 200 201 202 203 209 212 214 215 226 229 237 239 251 256 260 261 262 263 264.
X	Australia, New Guinea	331	<b>2007 series:</b> 235 280 281 282 311 316 317 320 321 324 325 328 329 330 331.
XI	Malacca Strait, China Sea, N. Pacific	0586	<b>1996 series:</b> 0925. <b>1998 series:</b> 0655. <b>1999 series:</b> 0053 0187 0310. <b>2000 series:</b> 0677. <b>2001 series:</b> 0182 0775. <b>2003 series:</b> 0106 0303 0304. <b>2004 series:</b> 0246 0271 0361 0571. <b>2005 series:</b> 0271 0307. <b>2006 series:</b> 0005 0050 0052 0083 0090 0123 0224 0250 0251 0276 0303 0343 0561 0580. <b>2007 series:</b> 0002 0003 0004 0008 0009 0093 0098 0133 0248 0253 0269 0305 0309 0338 0344 0355 0366 0445 0450 0457 0498 0505 0513 0519 0523 0545 0546 0548 0549 0550 0551 0552 0553 0554 0557 0562 0568 0578 0579 0581 0585 0586.
XII	N.E. Pacific	363	<b>2007 series:</b> Nil
XIII	N.W. Pacific	075	<b>2007 series:</b> Nil
XIV	S.W. Pacific	050	<b>2007 series:</b> 010 026.
XV	S.E. Pacific	213	<b>2007 series:</b> Nil
XVI	E. Pacific	191	<b>2007 series:</b> Nil
Hydropacs	Pacific, Indian Ocean	2234	<b>2006 series:</b> 524. <b>2007 series:</b> 1602.
Hydrolants	Atlantic, Mediterranean	2133	<b>2007 series:</b> Nil

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

**NIL**

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

<b><u>No</u></b>	<b><u>Name &amp; Location</u></b>	<b><u>Position (Lat-Long)</u></b>	<b><u>Charact- eristics</u></b>	<b><u>Ht. mts.</u></b>	<b><u>Range miles</u></b>	<b><u>Structure &amp; Height (mts)</u></b>	<b><u>Remarks</u></b>
<b>D7310</b>	- Inner Harbour. Aden Gulf Terminal. Detached Dolphin. Head	12 47.98 N 45 00.07 E	Fl R 4s	..	4	Metal post	R 036.5°-126.5°(90°)
*	----- *	.. *	Fl G 4s *	.. *	4 *	.. *	G 126.5°-216.5°(90°) *
<b>F0381-5</b>	SPM-5	22 34.75 N 69 50.10 E	Mo(U)W 5s	..	5	Platform	*
*	*	*	*	*	*	*	*
<b>F0636-5</b>	- Kārwar Harbour. S Breakwater. Round Island	14 45.50 N 74 07.67 E	Fl G 3s	..	..	Green beacon	*
*	*	*	*	*	*	*	*
<b>F0651</b>	- <b>Tippu Sultan Gudda</b>	13 39.60 N 74 39.50 E	Fl(2)W 10s	..	<b>18</b>	RCC tower 30	<b>On trial (P) 2007</b> *
	*			*	*	*	*
<b>F1054</b>	<b>Kutubdia Island</b>	21 51.92 N 91 50.54 E	Fl(3)W 10s	39	<b>17</b>	Red and white <input type="checkbox"/> on metal framework tower	ALRS Vol 2 Station 79300 *
	-	..	Racon	..	..	..	

**SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS****INP 31(1), 2005***(Last correction: Edition No. 23 dated 01 Dec 2007)*

NIL

**INP 31(2), 2007***(Last correction: Edition No. 23 dated 01 Dec 2007)*

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.23 dated 01 Dec 2007)***PAGE 179, UNITED ARAB EMIRATES**

Delete entry and replace by:

**UNITED ARAB EMIRATES**

<b>National SAR Agency:</b> Dubai Police G.H.Q. <b>Address:</b> General Department of Administration's Affairs, Dubai Police HQ, Dubai. United Arab Emirates <b>Tel:</b> +971 4 6095040 <b>Fax:</b> +971 4 2215158			
Dubai Ports and Emirates (A6L) maintain a continuous listening watch on VHF DSC and Ch 16 for distress calls.			
	<b>Telephone +971</b>	<b>Fax +971</b>	<b>Others</b>
ABU ZABT (Abu Dhabi) POLICE	4 6095555 (Rescue Desk) 4 6095040 ( Duty Officer) 4 999 ( Emergency)	4 2215158	<b>E-mail</b> mail@dubaipolice.gov.ae
RCC ABU ZABI (Abu Dhabi) (Cospas--Sarsat SPOC)	2 4054590 2 5851323	2 4054587	AFTN OMAEYCYX
EMIRATES (A6L)	2 6911103	2 6668180	

BA 49/07

01/08

**INP 31, VOLUME 6, 2005***(Last correction: Edition No. 22 dated 16 Nov 2007)*

NIL

**BA, VOLUME 7, 1999/00-PART 2***(Last correction: Edition No. 16 dated 16 Aug 2000)*

NIL



**SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS****INP 31(1), 2005***(Last correction: Edition No. 23 dated 01 Dec 2007)*

NIL

**INP 31(2), 2007***(Last correction: Edition No. 23 dated 01 Dec 2007)*

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.23 dated 01 Dec 2007)***PAGE 179, UNITED ARAB EMIRATES**

Delete entry and replace by:

**UNITED ARAB EMIRATES**

<b>National SAR Agency:</b> Dubai Police G.H.Q. <b>Address:</b> General Department of Administration's Affairs, Dubai Police HQ, Dubai. United Arab Emirates <b>Tel:</b> +971 4 6095040 <b>Fax:</b> +971 4 2215158			
Dubai Ports and Emirates (A6L) maintain a continuous listening watch on VHF DSC and Ch 16 for distress calls.			
	<b>Telephone +971</b>	<b>Fax +971</b>	<b>Others</b>
ABU ZABT (Abu Dhabi) POLICE	4 6095555 (Rescue Desk) 4 6095040 ( Duty Officer) 4 999 ( Emergency)	4 2215158	<b>E-mail</b> mail@dubaipolice.gov.ae
RCC ABU ZABI (Abu Dhabi) (Cospas--Sarsat SPOC)	2 4054590 2 5851323	2 4054587	AFTN OMAEYCYX
EMIRATES (A6L)	2 6911103	2 6668180	

BA 49/07

01/08

**INP 31, VOLUME 6, 2005***(Last correction: Edition No. 22 dated 16 Nov 2007)*

NIL

**BA, VOLUME 7, 1999/00-PART 2***(Last correction: Edition No. 16 dated 16 Aug 2000)*

NIL

**SECTION – IX: PLOTTING OF GPS POSITIONS IN INDIAN CHARTS**

All mariners are advised to exercise extreme caution while using the Global Positioning System positions in WGS 84 datum on the Indian navigational charts produced in Everest datum. The variation in these parameters is considerable along the Indian coast and in Andaman & Nicobar and Lakshadweep Islands (300 to 800 metres variations). Mariners are also advised to apply datum shift parameters (if available) on the Indian navigational charts before using Global Positioning System positions on Indian charts. These shift parameters are specified on the charts where observed, at a suitable position under legend note. Mariners are advised to use alternate methods of fixing while operating in restricted waters and in vicinity of dangers.

The Chief Hydrographer to the Govt. of India shall not be responsible for any marine accidents arising as a result of usage of GPS positions in WGS 84 datum in Indian navigational charts in Everest datum without the application of Datum Transformation Parameters/corrections where available or listed in the charts.

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

### **Instructions for raising Hydrographic Note (Form IH 102)**

#### **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: - [incho@dataone.in](mailto:incho@dataone.in); [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)  
[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in); [incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)  
Fax No.: (0135) 2748373  
Web: [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

#### **Instructions for filling up Form IH 102 (Overleaf)**

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. 102a (Revised 2003)**

**HYDROGRAPHIC NOTE FOR PORT INFORMATION**

**(For Reporting Changes to Port Information)**

(To accompanying Form I.H. 102)

Name and address of ship / sender:

\_\_\_\_\_ **Ref No.:** \_\_\_\_\_  
 \_\_\_\_\_ **Date :** \_\_\_\_\_  
 \_\_\_\_\_

**Fax No.:** \_\_\_\_\_, **E-mail:** \_\_\_\_\_

1.	<b>a) NAME OF THE PORT</b> : <b>b) Location</b> : <b>Lat:</b> _____, <b>Long:</b> _____ <b>c) Listing in Guide to Port Entry: Yes/No.</b> <b>Sl. No.:</b> _____	
2.	<b>NAME AND ADDRESS OF PORT AUTHORITIES</b> a) Name b) Address c) Phone d) Fax e) E-mail	
3.	<b>GENERAL REMARKS</b> a) Principal activities and trade b) Latest population figures and date c) Number of ships and tonnage handled per year d) Maximum size and draught of vessels handled. e) Copy of Port Handbook <i>if available</i> .	
4.	<b>ANCHORAGES</b> a) Type / Purpose b) Minimum Depth at anchorage c) Shelter afforded d) Holding ground e) Recommended pilotage to the anchorage	
5.	<b>PILOTAGE</b> a) Authority for requests. b) Embarkation position c) Regulations d) Documents to be provided	
6.	<b>DIRECTIONS</b> a) Entry and berthing information. b) Tides (Height) c) Tidal Streams. d) Navigational aids.	
7.	<b>POLLUTION CONTROL</b> a) Local regulations in force (if any)	

<p>8. <b>TUGS</b></p> <ul style="list-style-type: none"> <li>a) Number available</li> <li>b) Max. hp.</li> <li>c) Requesting authority</li> <li>d) Availability times</li> <li>e) Communication with Tugs</li> <li>f) Hiring Charges</li> </ul>	
<p>9. <b>BERTHING AND WHARVES</b></p> <ul style="list-style-type: none"> <li>a) Number of berths available</li> <li>b) Length,</li> <li>c) Depth alongside</li> <li>d) Facilities available.</li> <li>e) Procedures for requesting berthing and hiring charges</li> </ul>	
<p>10. <b>CARGO HANDLING</b></p> <ul style="list-style-type: none"> <li>a) Containers</li> <li>b) Lighters</li> <li>c) Roll on/ roll off, etc.</li> </ul>	
<p>11. <b>CRANES</b></p> <ul style="list-style-type: none"> <li>a) Brief details and max. Capacity.</li> <li>b) Container handling facilities</li> </ul>	
<p>12. <b>BRIDGES</b></p> <p>Vertical clearances</p>	
<p>13. <b>REPAIRS</b></p> <ul style="list-style-type: none"> <li>a) Hull, machinery and underwater</li> <li>b) Ship and boat yards</li> <li>c) Docking or Slipway facilities (Give size of vessels handled or dimensions)</li> <li>d) Hards and ramps.</li> <li>e) Divers / Diving Assistance</li> </ul>	
<p>14. <b>RESCUE AND DISTRESS</b></p> <p>Salvage, lifeboat, coastguard, etc.</p>	
<p>15. <b>SUPPLIES</b></p> <ul style="list-style-type: none"> <li>a) Fuel with type and quantities available.</li> <li>b) Freshwater and rate of supply.</li> <li>c) Provisions</li> <li>d) Chart Agents</li> </ul>	
<p>16. <b>SERVICES</b></p> <ul style="list-style-type: none"> <li>a) Radio Telegrams/Telephony</li> <li>b) Medical.</li> <li>c) Quarantine</li> <li>d) Consuls.</li> <li>e) Ship chandlery and stevedores,</li> <li>f) Compass adjustment,</li> <li>g) Tank cleaning,</li> <li>h) Hull painting.</li> <li>j) Diving and underwater examination</li> <li>k) Police / Ambulance / Fire</li> <li>l) Navigational warnings and weather bulletins</li> <li>m) Garbage Disposal</li> <li>n) Telephones</li> <li>p) Waste oil disposal</li> </ul>	
<p>17. <b>COMMUNICATIONS</b></p> <ul style="list-style-type: none"> <li>a) Road, rail and air services available</li> <li>b) Nearest airport or airfield.</li> <li>c) Port Radio and Information service (Frequencies and operating hours)</li> </ul>	

18. <b>PORT AUTHORITY</b> Designation, address and telephone number.	
19. <b>SMALL CRAFT FACILITIES</b> a) Information and facilities for small craft /yachts visiting the port. b) Yacht clubs, berths etc.	
20. <b>SHORE LEAVE</b>	
21. <b>CLUBS / RECREATION / INFORMATION KIOSKS</b> – Their location.	
22. <b>VIEWS</b> (duly annotated) Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. (Picture postcards may also be useful).	

*Signature of Observer/Reporter.....*

**To**

*The Chief Hydrographer to the Government of India*

**National Hydrographic Office  
107 A, Rajpur Road**

Post Box No. 75,  
Dehradun- 248001  
(UTTARAKHAND), INDIA

**E Mail:** [incho@dataone.in](mailto:incho@dataone.in) / [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)  
[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in) / [incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)  
Fax No.: 91- 0135- 2748373  
WEB: [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

I.H. 102 (Revised 2003)

HYDROGRAPHIC NOTE

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

Date : .....

Ref. No: .....

**Details of the Sender / Originator**

1. **Name of ship or sender:** .....
2. **Address of sender:** .....  
.....  
E-mail; Fax No.; Tel. No.:.....  
.....
3. **General Locality:** .....
4. **Chart / Publication Affected:**
  - a) Chart published by INHO / UKHO / other (Specify): .....
  - b) Chart No.: ..... Edition Date: .....
  - c) Latest Edition of Indian N to M held:.....

**Details of Changes / Dangers Observed**

5. <b>Object of Change:</b>	<b>Date/Time of observation</b>	<b>Charted Observed</b>	<b>Position/Area</b>
(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** .....

Signature of the Master / Reporter

Date:

To

The Chief Hydrographer to the Government of India

**National Hydrographic Office**

**107 A, Rajpur Road**

**Post Box No. 75,**

Dehradun- 248001

(UTTARAKHAND), INDIA

**E Mail:** [incho@dataone.in](mailto:incho@dataone.in) / [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)

[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in) /

[incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)

**Fax No.:** 91- 0135- 2748373

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

*Please Note:*

1. Please see Section X for Instructions for filling up this form.
2. Photograph / Sketches / Diagram, etc duly annotated will be useful supporting document.
3. Please rush this information to the Chief Hydrographer to the Govt. of India at the address given above, by the fastest available means.



**TABLE FOR CONVERTING FEET AND FATHOMS TO METRES**

Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres
1		0.305	55		16.764	162	27	49.378	498	83	151.790
1.5	¼	0.457	56		17.069	168	28	51.206	504	84	153.619
2		0.610	57	9½	17.374	174	29	53.035	510	85	155.448
3	½	0.914	58		17.678	180	30	54.864	516	86	157.277
4		1.219	59		17.983	186	31	56.693	522	87	159.106
4.5	¾	1.372	60	10	18.288	192	32	58.522	528	88	160.934
5		1.524	61		18.593	198	33	60.350	534	89	162.763
6	1	1.829	62		18.898	204	34	62.179	540	90	164.992
7		2.134	63	10½	19.202	210	35	64.008	546	91	166.421
8		2.438	64		19.507	216	36	65.837	552	92	168.250
9	1½	2.743	65		19.812	222	37	67.666	558	93	170.078
10		3.048	66	11	20.117	228	38	69.494	564	94	171.907
11		3.353	67		20.422	234	39	71.323	570	95	173.736
12	2	3.658	68		20.726	240	40	73.152	576	96	175.565
13		3.962	69	11½	21.031	246	41	74.981	582	97	177.394
14		4.267	70		21.336	252	42	76.810	588	98	179.222
15	2½	4.572	71		21.641	258	43	78.638	594	99	181.051
16		4.877	72	12	21.946	264	44	80.467	600	100	182.880
17		5.182	73		22.250	270	45	82.296			
18	3	5.486	74		22.555	276	46	84.125	<b>Metres</b>	<b>Inches</b>	
19		5.791	75	12½	22.860	282	47	85.954			
20		6.096	76		23.165	288	48	87.782	0.10	3.937	
21	3½	6.401	77		23.470	294	49	89.611	0.20	7.874	
22		6.706	78	13	23.774	300	50	91.440	0.30	11.811	
23		7.010	79		24.079	306	51	93.469	0.40	15.748	
24	4	7.315	80		24.384	312	52	95.098	0.50	19.685	
25		7.620	81	13½	24.689	318	53	96.926	0.60	23.622	
26		7.925	82		24.994	324	54	98.755	0.70	27.559	
27	4½	8.230	83		25.298	330	55	100.584	0.80	31.496	
28		8.534	84	14	25.603	336	56	102.413	0.90	35.433	
29		8.839	85		25.908	342	57	104.242	1.00	39.370	
30	5	9.144	86		26.213	348	58	106.070			
31		9.449	87	14½	26.518	354	59	107.899			
32		9.754	88		26.822	360	60	109.728			
33	5½	10.058	89		27.127	366	61	111.557			
34		10.363	90	15	27.432	372	62	113.386			
35		10.668	91		27.737	378	63	115.214			
36	6	10.973	92		28.042	384	64	117.043			
37		11.278	93	15½	28.346	390	65	118.872			
38		11.582	94		28.651	396	66	120.701			
39	6½	11.887	95		28.956	402	67	122.530			
40		12.192	96	16	29.261	408	68	124.358			
41		12.497	97		29.566	414	69	126.187			
42	7	12.802	98		29.870	420	70	128.016			
43		13.106	99	16½	30.175	426	71	129.845			
44		13.411	100		30.480	432	72	131.674			
45	7½	13.716	102	17	31.090	438	73	133.502			
46		14.021	108	18	32.918	444	74	135.381			
47		14.326	114	19	34.747	450	75	137.160			
48		14.630	120	20	36.576	456	76	138.989			
49		14.935	126	21	38.405	462	77	140.818			
50		15.240	132	22	40.234	468	78	142.646			
51	8½	15.545	138	23	42.062	474	79	144.475			
52		15.850	144	24	43.891	480	80	146.304			
53		16.154	150	25	45.720	486	81	148.133			
54	9	16.459	156	26	47.549	492	82	149.962			

## TABLE FOR CONVERTING METRES TO FEET AND FATHOMS

Mtrs	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms
1	3.281	0.547	57	187.008	31.168						
2	6.562	1.094	58	190.289	31.715	5000	16404.20	2734.03			
3	9.843	1.640	59	193.570	32.262	6000	19685.04	3280.84			
4	13.123	2.187	60	196.850	32.808	7000	22965.88	3827.65			
5	16.404	2.734	61	200.131	33.355	8000	26246.72	4374.45			
6	19.685	3.281	62	203.412	33.902	9000	29527.56	4921.26			
7	22.966	3.828	63	206.693	34.449	10000	32808.40	5468.07			
8	26.247	4.374	64	209.974	34.996						
9	29.528	4.921	65	213.255	35.542	<b>Inches</b>	<b>Feet</b>	<b>Metres</b>	<b>Factors</b>		
10	32.808	5.468	66	216.535	36.089						
11	36.089	6.015	67	219.816	36.636	1	0.083	0.025	1 Inch=0.0254 m		
12	39.370	6.562	68	223.097	37.183	2	0.167	0.051	1 Foot=0.3048 m		
13	42.652	7.108	69	226.378	37.730	3	0.250	0.076	1 Fthm=1.8288 m		
14	45.932	7.655	70	229.659	38.276	4	0.333	0.102	or 6 feet		
15	49.213	8.202	71	232.940	38.823	5	0.417	0.127			
16	52.493	8.749	72	236.220	39.370	6	0.500	0.152			
17	55.774	9.296	73	239.501	39.917	7	0.583	0.178			
18	59.055	9.843	74	242.782	40.464	8	0.667	0.203			
19	62.336	10.389	75	246.063	41.010	9	0.750	0.229			
20	65.617	10.936	76	249.344	41.557	10	0.833	0.254			
21	68.898	11.483	77	252.625	42.104	11	0.917	0.279			
22	72.178	12.030	78	255.906	42.651	12	1.000	0.305			
23	75.459	12.577	79	259.186	43.198						
24	78.740	13.123	80	262.467	43.745	<b>Fthms</b>	<b>Metres</b>	<b>Feet</b>	<b>Metres</b>		
25	82.021	13.670	81	265.748	44.291						
26	85.302	14.217	82	269.029	44.838	200	365.760	700	213.360		
27	88.583	14.764	83	272.310	45.385	300	548.640	800	243.840		
28	91.864	15.311	84	275.591	45.932	400	731.520	900	274.320		
29	95.144	15.857	85	278.871	46.479	500	914.400	1000	304.800		
30	98.425	16.404	86	282.152	47.025	600	1097.280				
31	101.706	16.951	87	285.433	47.572	700	1280.160				
32	104.987	17.498	88	288.714	48.119	800	1463.040				
33	108.268	18.045	89	291.995	48.666	900	1645.920				
34	111.549	18.591	90	295.276	49.213	1000	1828.800				
35	115.829	19.138	91	298.556	49.759						
36	118.110	19.685	92	301.837	50.306	<b>Factor = 1 m = 3.280839895 feet or</b>					
37	121.391	20.232	93	305.118	50.853	<b>39370078740 inches = 0.546806649 fthm</b>					
38	124.672	20.779	94	308.399	51.400						
39	127.953	21.325	95	311.680	51.947						
40	131.234	21.872	96	314.961	52.493						
41	134.514	22.419	97	318.241	53.040						
42	137.795	22.966	98	321.522	53.587						
43	141.076	23.513	99	324.803	54.134						
44	144.357	24.059	100	328.084	54.658						
45	147.638	24.606	200	656.17	109.36						
46	150.919	25.153	300	984.25	164.04						
47	154.199	25.700	400	1312.34	218.72						
48	157.480	26.247	500	1640.42	273.40						
49	160.761	26.794	600	1968.50	328.08						
50	164.042	27.340	700	2296.59	382.76						
51	167.323	27.887	800	2624.67	437.45						
52	170.604	28.434	900	2952.76	492.13						
53	173.885	28.981	1000	3280.84	546.81						
54	177.165	29.528	2000	6561.68	1093.61						
55	180.446	30.074	3000	9842.52	1640.42						
56	183.727	30.621	4000	13123.36	2187.23						

*To accompany Indian Notice to Mariners 053/08*

*BA Chart 2965*

**PIRACY WARNINGS**

Piracy warnings are transmitted daily by the Piracy Reporting Centre (PRC) at Kuala Lumpur, through Enhanced Group Calling (EGC) using the Inmarsat SafetyNET System. For full details, see Admiralty List of Radio Signals.